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PACIFIC GAS AND ELECTRIC COMPANY

BILLING MODERNIZATION INITIATIVE

WORKPAPERS SUPPORTING

PREPARED TESTIMONY



PACIFIC GAS AND ELECTRIC COMPANY
BILLING MODERNIZATION INITIATIVE WORKPAPERS
PREPARED TESTIMONY

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WORKPAPERS SUPPORTING CHAPTER 1

PACIFIC GAS AND ELECTRIC COMPANY
BILLING MODERNIZATION INITIATIVE
WORKPAPERS SUPPORTING CHAPTER 1 – EXECUTIVE SUMMARY AND
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Billing Modernization Initiative Application
 Workpapers Supporting Chapter 1, Executive Summary and Background, Tables 1-1 and 1-2
 WP 1-1, Billing Modernization Initiative Cost Forecasts

Stage	2020*	2021*	2022*	2023*	2024	2025	2026	2027	2028	2029	2030 Total		
BCS	Total BCS Expense	197,336	1,023,893	1,157,040	-	1,000,000	2,400,000	-	-	-	5,778,269		
	Total BCS Capital	-	7,996,524	18,821,476	15,006,791	44,100,000	38,700,000	-	-	-	124,624,791		
	BCS Total	197,336	9,020,417	19,978,516	15,006,791	45,100,000	41,100,000	-	-	-	130,403,060		
CC&B 25.1	Total CC&B Expense	-	-	-	-	3,452,689	5,081,022	-	-	-	8,533,711		
	Total CC&B Capital	-	-	-	-	9,017,349	61,338,192	48,636,577	-	-	118,992,118		
	CC&B 25.1 Total	-	-	-	-	9,017,349	64,790,881	53,717,599	-	-	127,525,829		
C2M	Total C2M Expense	-	825,399	1,200,056	889,646	3,345,728	1,946,123	8,470,037	7,996,011	9,217,771	26,226,920	22,019,909	82,137,598
	Total C2M Capital	-	839,452	6,786,173	32,244,084	36,177,941	-	30,674,116	94,011,165	100,812,047	104,053,767	19,990,746	425,589,491
	C2M Total	-	1,664,850	7,986,229	33,133,730	39,523,669	1,946,123	39,144,152	102,007,177	110,029,818	130,280,686	42,010,655	507,727,090
	Total Expense	197,336	1,849,292	2,357,096	889,646	4,345,728	7,798,812	13,551,099	7,996,011	9,217,771	26,226,920	22,019,909	96,449,579
	Total Capital	-	8,835,976	25,607,649	47,250,875	89,295,290	100,038,192	79,310,693	94,011,165	100,812,047	104,053,767	19,990,746	669,206,400
	Grand Total (Forecasts)	197,336	10,685,267	27,964,745	48,140,521	93,641,018	107,837,004	92,861,751	102,007,177	110,029,818	130,280,686	42,010,655	765,655,979
	Total Expense Recovery*	-	-	-	889,646	4,345,728	7,798,812	13,551,099	7,996,011	9,217,771	26,226,920	22,019,909	92,045,855
Total Capital Recovery	-	8,835,976	25,607,649	47,250,875	89,295,290	100,038,192	79,310,693	94,011,165	100,812,047	104,053,767	19,990,746	669,206,400	
Total Recovery Requested	-	8,835,976	25,607,649	48,140,521	93,641,018	107,837,004	92,861,751	102,007,177	110,029,818	130,280,686	42,010,655	761,252,256	

Notes: * PG&E is not seeking recovery for project expenses prior to 1/1/2023, reflected in a lower recovery (\$761.2M) than total project costs (\$765.7M)
 * Costs through July 2024 are based on recorded costs, while costs from August 2024 are forecasted project costs

WORKPAPERS SUPPORTING CHAPTER 3

PACIFIC GAS AND ELECTRIC COMPANY
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**Pacific Gas & Electric Company
Workpapers Supporting Chapter 3, Billing Systems and Risk Management
WP 3-1, Cyber Threat Landscape**

Summary

Changes in the cybersecurity risk landscape impact many of Pacific Gas and Electric's (PG&E) core and priority systems including the Customer Care and Billing (CC&B) system, and the Advanced Billing System (ABS). These systems are critical to PG&E's operations and support the Company's most important Mission Critical billing processes.

PG&E's cybersecurity risk assessment processes and resulting risk models, controls, and mitigations have continued to evolve to reflect the changes in the cyber threat landscape. These changes and continuing evolution are reflected in the changes to the Cybersecurity Bow Tie from PG&E's 2024 RAMP filing, evolving from a cross-cutting model in 2020 to a standalone risk in 2021, currently rated as 8th-highest safety risk and the 4th overall risk to PG&E (based on the projections of the 2027 RAMP Bowtie).¹

Cybersecurity risk has increased as attacks have become more frequent and significant. This rise can be attributed to an increase in nation-state actors carrying out cyber-attacks on supply chains and US critical infrastructure. The potential consequences of a cyber-attack continue to grow in direct relation to the increasing sophistication of cyber-attacks and motivation of threat actors and changing regulatory environment. The May 8, 2021, Colonial Pipeline ransomware incident is an example of an attack against utility companies that resulted in the disruption of gas supplies on the east coast. Recently, New Jersey-based American Water, "one of the largest water utility providers in the United States, fell victim to a cyberattack that disrupted its billing systems, throwing light on the increasing vulnerability of critical infrastructure to such threats. While water services were not interrupted, the breach temporarily paused the company's billing operations, causing customer concern."²

According to the MARSH Insurance Broker, the changes in the impact of a cyber-attack on the Power and Utility sector from Q1 2022 to Q1 2023 represented a 300 percent increase, the highest increase of all industries. US utilities faced a near 70 percent jump in cyberattacks in 2024 over the same period in 2023, according to data from Check Point Research.³ The escalating threat to a critical infrastructure emphasizes the urgency to improve PG&E's controls and mitigations.

¹ A.24-05-008, PG&E's 2024 RAMP,, Exh-7, p. 2-4, lines 3-12. →

² Sunny Yadav, eSecurity Planet, American Water Shuts Down Services After Cybersecurity Breach (Oct. 15, 2024), available at: <<https://www.esecurityplanet.com/trends/american-water-cybersecurity-breach/>> (accessed Oct. 17, 2024). →

³ Check Point Research, Check Point Research Reports Highest Increase of Global Cyber Attacks seen in last two years – a 30% Increase in Q2 2024 Global Cyber Attacks (July 16, 2024), available at: <<https://blog.checkpoint.com/research/check-point-research-reports-highest-increase-of-global-cyber-attacks-seen-in-last-two-years-a-30-increase-in-q2-2024-global-cyber-attacks/>> (accessed Oct. 17, 2024). →

While the number of ransomware attacks, as a segment of cyber-attacks overall, decreased by 11.5 percent, the trend of both ransomware attack demands and payments has increased.⁴ In just the first six months of 2023, ransomware extortion totaled \$176 million more than all of 2022.⁵

Changes in the cybersecurity threat landscape include increases in i) evolving threats, ii) expansion of the PG&E Attack Surface, and iii) trends in increasing threat actor groups, as well as cyber-attack payloads and strategies. These changes make PG&E's billing systems a priority target for the cyber threat actors and requires PG&E to constantly evolve both cybersecurity controls and risk mitigations.

Evolving Threats

As new technologies are introduced, threat actors devise new Tactics, Techniques, and Procedures (TTPs).. The most concerning evolving threats include Generative Artificial Intelligence (GenAI), PG&E's expanding "attack surface",⁶ increases in the number of threat actor groups and new malicious payloads, new technologies deployed internally at PG&E, and increased reliance on third parties and the supply chain.

GenAI –Used to create fake content enabling more sophisticated social engineering campaigns (the highest risk and probability for an attack), new and more sophisticated malware, and increases the ability for threat actors to identify and neutralize cybersecurity controls. This requires PG&E to continuously reevaluate the threat landscape and existing controls and mitigations to proactively plan for the accelerating risk exposure.

Expanding Advanced Persistent Threat (ATP) Groups and threat actors – There has been an increase in the ATP groups which now total more than 150 and over 1,300 established threat actor groups. These groups are constantly developing new ways to circumvent cybersecurity controls to gain access to internal systems.

Increasing Malicious Payloads – According to AV-TEST, "[t]he AV-TEST Institute registers over 450,000 new malicious programs (malware) and potentially unwanted applications every day".⁷ This dramatic growth in new malicious payloads requires cybersecurity to constantly invest and modernize to keep systems, including PG&E's key billing systems, safe.

Expanding Attack Surface - PG&E's attack surface has expanded as a result of the growing number of new technologies and systems deployed to support PG&E operations and the evolving nature of energy generation and distribution (including Distributed Energy Systems

⁴ IBM, Security X-Force Threat Intelligence Index 2024, p. 5, available at:

<https://www.ibm.com/downloads/cas/LOGKXDWJ> (accessed Oct. 17, 2024).→

⁵ Jacob Fox, Cobalt, Top Cybersecurity Statistics for 2024 (Dec. 8, 2023), available at:

<https://www.cobalt.io/blog/cybersecurity-statistics-2024> (accessed Oct. 17, 2024).→

⁶ "An organization's attack surface is the sum of vulnerabilities, pathways, or methods—sometimes called attack vectors—that hackers can use to gain unauthorized access to the network or sensitive data, or to carry out a cyberattack." IBM, What is an attack surface?, available at: <https://www.ibm.com/topics/attack-surface> (accessed Oct. 17, 2024).→

⁷ Terranova Security, 130 Cyber Statistics: 2024 Trends and Data (Aug 12, 2024), available at:

<https://www.terrانovasecurity.com/blog/cyber-security-statistics> (accessed Oct. 17, 2024).→

(DERs)). The continued expansion of Distributed Energy Systems and the grid edge boundary customer owned systems, hardware, and equipment requires an evolving strategy to monitor and protect against cyber threats originating from non-utility managed boundary devices and infrastructure. As threat actors to devise new methods of attack, PG&E is obligated to mature the existing cybersecurity controls and deploy new risk mitigation.

Evolution of Operational Technologies (OT) and Industrial Control Systems (ICS) – As Operational Technologies continue to evolve so does the potential attack vectors as many OT devices now communicate wirelessly. These new attack vectors have the potential for a threat actor to gain access to internal systems and laterally move across networks.

Supply Chain – As PG&E continues to rely on third parties for services and technology, the risk of an attack from a third party continues to increase. The trend of third-party using cloud-based solutions results in an increased risk of attack to PG&E through the third parties.

Increases in the Adversaries' TTP (Techniques, Tactics and Procedures)

[REDACTED]

Increases in the severity of nation-state actor attacks are reflected in the changes to the cybersecurity insurance industry. In 2022, the global cybersecurity insurance industry implemented the “war time exclusion” for insurance policies. This exclusion limits claims if the claim is related to a cybersecurity incident that was the result of a nation state actor hostile to or currently in a hostile act against the United States. PG&E’s cybersecurity insurance policies contain similar clauses.

[REDACTED]

The tickets reflect, in part, the fluid nature of the threat landscape. When vulnerabilities are discovered that could be exploited by threat actors, patches or mitigations are applied to the systems. Vulnerabilities also include the vendor supplied patches to remediate discovered

⁸ The Customer Care EI Domain is referred to as “middleware” throughout PG&E’s Billing Modernization Initiative Application. The EI Domain connects applications in PG&E’s billing systems to one another for data sharing or larger business processes.

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weaknesses that could potentially be exploited by our adversaries. The year-over-year increase in the number of vulnerability tickets shows the fluid nature of the threat landscape.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

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WORKPAPERS SUPPORTING CHAPTER 4

CIFIC GAS AND ELECTRIC COMPANY
BILLING MODERNIZATION INITIATIVE
WORKPAPERS SUPPORTING CHAPTER 4 – TARGET STATE BILLING SYSTEMS

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PG&E ACCENTURE MTC REFRESH	WP 4-43	Matthew Hedges
PG&E MTC REFRESH EXEC SUMMARY	WP 4-55	Matthew Hedges



Billing Modernization Initiative Workpaper Supporting Chapter 3, Future State Billing Systems WP 4-1 – Study Timeline

PG&E engaged Utiligent and Accenture to evaluate CIS transformation solutions to fit current and future business needs, focusing on affordability, reliability, and adaptability. Deliverable documents listed below are included as workpapers supporting PG&E's decision to pursue the Billing Modernization Initiative

Date	Partner	Document Title	Focus
July 2018	Accenture	Directional Strategy and ROM Cost	<ul style="list-style-type: none">• Identification of options to address CIS issues• Comparison of existing options in the marketplace for CIS replacement
November 2020	Utiligent	PG&E MTC Strategy Alternatives Stakeholder Review	<ul style="list-style-type: none">• Option analysis and recommendation for full CIS replacement to enable PG&E for the future.• Pros/cons comparison of short-term options and full-scope solutions
January 2022	Accenture	PG&E Accenture MTC Refresh	<ul style="list-style-type: none">• Conducted a refresh of earlier study, identifying developments in technology environment and marketplace options which may impact solution decision
January 2022	Accenture	PG&E MTC Refresh Exec Summary	<ul style="list-style-type: none">• Separate deliverable of 2022 refresh, included for additional information comparing Oracle and SAP solutions

Note: Notwithstanding the “draft” denotations on the following Chapter 4 workpapers, these are the version of the documents utilized by PG&E during Billing Modernization Initiative planning and no further iterations have been made to the findings and recommendations.



Meter to Cash: Directional Strategy Prepared for PG&E

Document Control				
Author	Version	Reviewer	Approver	Date
Karen Mok	First Draft			May 10, 2018
Karen Mok, Mike Roach	Completed Draft	Travis Browne, John Warnock		May 17, 2018
Karen Mok, Mike Roach	Submittal	Travis Brown, John Warnock	Scott Sanford, Vishy Nataranjan	May 18, 2018

1 Background & Document Purpose

Pacific Gas and Electric (PG&E) Company has approximately 3 years' worth of regulatory work to complete in <1 year, due to CPUC demands for new progressive rates and increasing customer expectations. The existing Customer Information System (CIS) is an old Oracle CC&B system, and the Meter Data Management System (MDMS) runs on a functionally outdated Landis & Gyr (L+G) system. Therefore, applying changes in this environment is complicated and costly. Approximately \$4 billion in revenue is currently billed through an outdated custom legacy system known as the Advanced Billing System (ABS), and changes to ABS cannot be performed by resources readily available in the market. The current Smart Metering and MDMS architecture is viewed as inflexible, driving up operational costs and technical debt.

PG&E is seeking a meter to cash solution strategy and roadmap that responds to evolving demands and positions PG&E for the future. In the longer term, PG&E's corporate strategy is to pivot to cloud computing solutions. Interim solutions are expected to enable PG&E to perform regulatory mandated billing functions in the near term. This could include fixing or replacing current technologies, upgrading or looking to third party alternatives available in the market. The solution must handle CPUC mandated rate requirements quickly and can be integrated into the existing system landscape to continue "business-as-usual." Whichever recommendations emerge, an approximate timeline and cost estimate should be determined.

This document serves to provide PG&E with a preliminary and directional strategy for consideration in PG&E S1 planning. Due to the company's budgeting schedule, a priority for the Accenture Billing Systems Strategy project is to provide PG&E's primary stakeholders with a benchmark based recommendation and top-down ROM estimate to achieve the improvements needed in Priority 1 business functions and systems in the scope of this study.

The recommendations and ROM budget estimate set forth in this document will be vetted, refined, and modified as needed through ongoing market and solution analysis conducted as part of the Accenture Billing Systems Strategy project scheduled to execute from May 15 to July 9, 2018.

2 Case for Change

The case for change is driven by the need to address the systemic and infrastructure challenges PG&E faces to efficiently meet the complex requirements of customer programs, digital and emerging technology adoption, and progressive rate design. Evolving customer and peer expectations in the California and North American utility market regarding service experience demand a technology platform designed to meet the information needs of customers and peers in the current (and future) environment with support for policy goals related to enhanced customer choice and increased reliance on distributed energy resources.

Specific challenges identified as part of the initial Discovery phase of the Meter to Cash Strategy assessment leading to this Directional Strategy are summarized as follows:

- **Compliance and Reliability Risk** – PG&E needs an improved and sustainable means to proactively architect new and progressive rate structures and billing services that can be operationalized quickly at scale and with cost efficiency to meet growing Regulatory and market demands.
- **Economics** – PG&E needs a meter to cash and back office operations platform that can respond with reliability and operational efficiency to disruptors (e.g. Community Choice Aggregators/CCAs, grid defection, etc.) and opportunities (e.g. electrification, solar/renewables, etc.) in the California energy services market. This is critical for PG&E to continue attracting capital investment and recouping its operating costs as part of the revenue requirement through reasonable rates.
- **Obsolescence Risk** – PG&E's core billing system (Oracle CC&B) was implemented over 16 years ago and its meter data management system (Landis & Gyr MDMS) was implemented over 12 years ago. Although upgrades have been performed, the pace of technology innovation today, and projected to come, requires companies to frequently ascertain obsolescence risk which can manifest itself in multiple ways (e.g. lack of support from product vendors, lack of integration and interoperability with new technologies, inability to attract or retain skilled resources due to competition for talent, etc.).

2.1 Achievement of PG&E Strategic Priorities

This billing eco-system strategy and roadmap exercise is intended to help PG&E achieve its strategic objective and corporate goals. As an initiative, it is primarily concerned with the following strategic objectives:

Strategic Objectives	Priority
Build the foundation for change	1 st
Drive a step change in core business performance (Reliability, Efficiency, Flexibility)	1 st
Look for opportunities to grow our core business and capture new revenue streams in the evolving market	2 nd
Future-proof ourselves for technology and business model shifts	2 nd

The priority rating (on a scale of 1st to 3rd) is applied to inform the lens through which recommendations are evaluated. That said, the ultimate decision making on which recommendations to implement should be considered holistically in the context of interdependent initiatives. At the time of writing, these primarily include: Contact Center 2020 (CC2020), Enterprise "Cloud First" initiatives, AMI Strategy Refresh, CRCR (Reporting and Analytics), SFDC for Advanced Billing System, and the L+G MDMS Upgrade. Additional initiatives will be considered as they become identified and assessed for interdependency.

2.2 Responsiveness to Regulatory Demands and Reforms

In the state of California, all investor owned utilities (IOUs) and other regulated utilities, have needed to respond to the impacts of Residential Rate Reform and other passed legislation. The passing of Assembly Bill 327 (327) in 2013 motivated the California Public Utilities Commission (CPUC) to implement the Residential Rate Reform Order Instituting Rulemaking (R.12-06-013), which established a regulatory approach for realigning rates to reflect new guiding principles.

In response to this reform order, PG&E's vision for the future of rate making is to design rates to be as cost based as possible. This prepares PG&E to meet current expectations (e.g. Residential TOU default, flexibility in C&I TOU periods) and to respond to emerging business models such as the growth of prosumers (or peers) who buy and sell with the utility. To achieve this vision, PG&E would need to enable a rate architecture and meter to cash/billing platform equipped to segregate revenue streams of products bought by a peer from those of products sold by peers to the utility. It is the sentiment of the current organization that PG&E does not currently have the tools or data to easily formulate a good basis for the pricing model applied to products such as Net Energy Metering (NEM) which fully justify the economics of the rate design.

The vision for future rate making will be fair and transparent, utilizing an architecture reflecting the actual cost to serve customers or interact with peers based on the service components they individually utilize, contribute or benefit from including: 1) policy costs; 2) transmission and distribution costs; 3) generation costs; and 4) customer service costs. For example, the transmission and distribution rate components for EV currently include policy costs and not solely the costs to operate and maintain PG&E EV charging infrastructure because there is no policy cost rate component available in the current billing system to provide this transparency to customers.

Improved tools and access to data are required to enable this vision and facilitate future regulatory applications, and reduce the burden on Rates & Regulatory to derive just and reasonable computations and forecasts used for rate base forecasting and revenue requirement justification. These tools and data provisioning solutions should be selected, designed, and implemented in a manner that eases and supports transparency in rate making and provides greater business accessibility to dynamic and proactive data requests and rate analytics.

It is projected by PG&E's Rates & Regulatory business unit that the number and complexity of rate schedules will continue to grow and at an increased pace to support the achievement of various goals set by the CPUC in the interests of promoting customer choice (e.g. facilitating CCA rate ready and bill ready options and CCA rate comparisons), welfare (e.g. California Alternate Rates for Energy/CARE and Family Electric Rate Assistance/FERA), and sustainability (e.g., adoption of zero emission vehicles, adoption of renewables through improvements of interconnection and net energy metering rates and programs). This projection is supported by recent CPUC decisions such as Public Utilities Code Section 739.1, and approval of PG&E Electric Rules: Rule 18, Rule 21, Rule 23 (CCA).¹ Given the number of policy

Residential Rate Reform – Guiding Principles

The new guiding principles are summarized as follows¹:

1. Low Income and medical baseline customers should have access to enough electricity to ensure basic needs (such as health and comfort) are met at an affordable cost;
2. Rates should be based on marginal cost;
3. Rates should be based on cost-causation principles;
4. Rates should encourage conservation and energy efficiency;
5. Rates should encourage reduction of both coincident and non-coincident peak demand;
6. Rates should be stable and understandable and provide customer choice;
7. Rates should generally avoid cross-subsidies, unless the cross-subsidies appropriately support explicit state policy goals;
8. Incentives should be explicit and transparent;
9. Rates should encourage economically efficient decision making;
10. Transitions to new rate structures should emphasize customer education and outreach that enhances customer understanding and acceptance of new rates, and minimizes and appropriately considers the bill impacts associated with such transitions.

Source:

<http://www.cpuc.ca.gov/General.aspx?id=12154>

¹ California Legislative Information. http://leginfo.ca.gov/faces/codes_displaySection.xhtml?lawCode=PUC§ionNum=739.1. Copyright © 2018 Accenture All rights reserved.

requirements and rate riders, the number of rate schedule permutations could advance into the thousands within the next 2 to 3 years.² This projection is consistent with the market behaviors Accenture observes in other jurisdictions outside of California; this is particularly true for competitive energy markets such as in Texas, Australia, and the United Kingdom and markets facing distributed energy resource disruption such as Hawaii and New York.³

If the response from PG&E's IT organization is valid, and IT can justifiably and reasonably (i.e. due to existing systems architecture, tools, and institutionalized governance processes) deliver a maximum of 3 to 4 rate schedule changes at a time at a cost of ~\$750K to \$1.5M per rate over the deployment timeframe of 9 to 12 months, then it is a logical conclusion to seek a remedy through systemic and infrastructure changes as the projected costs to achieve the Rate Reform Vision would be prohibitive without such changes.

2.3 Remedy and mitigate risk of technology obsolescence

Technologies and skillsets in the current eco-system of meter to cash systems (specifically the Advanced Billing System/ABS and COBOL interfaces) are difficult to find in the current market or require significant ramp up time to become productive. PG&E must also be mindful of the highly competitive market for technology skills and talent in its Northern California market and proximity to high-tech, advanced innovation, and emerging technology companies.

PG&E's has demonstrated investment in technology innovation (e.g. stand up of Grid Integration & Innovation and the Vanguard Architecture teams), but is still at risk of utility peers leapfrogging them in terms of meter to cash technology-enabled capabilities that provide:

- Business flexibility already needed, or soon to be needed (e.g. automated exception resolution)
- relief from on-premise H/W and data storage costs (e.g. opportunity to realize greater benefits from PG&E's enterprise journey to cloud strategy; while SFDC is used for workflow management in billing operations, PG&E still runs all core meter to cash systems on-premise in its own data centers)
- readiness to utilize data from sensory or "beyond the meter" devices (internet of things (IoT))
- flexibility and ability to leverage trusted third-party services.

PG&E implemented, over multiple years (2007 to 2013) approximately 10 million smart meters in the field, the current meter data management system (L+G MDMS) and its head end systems (Silver Springs Network/SSN and Aclara) at a cost of over \$2 billion. PG&E's SmartMeter platform may be facing some degree of technology obsolescence evidenced by PG&E's operational issues due to non-communicating meters primarily related to the electric meters running on the SSN network. The technology encompassed within a smart electricity meter consists primarily of a metrology unit and a communication unit. The head end software modules utilized by the smart meter are packaged within the network cards in the field-deployed meters themselves. As such, there is a significant cost barrier to remedying current day issues as it is not useful to replace only the head end network and its software used to operate the smart meters. To effect wholesale improvements in the head end systems would require replacing the AMI network equipment in the field, the network card in each smart meter, and likely replacing the meter itself; an undertaking that would require hundreds of millions in costs if not over a billion. The benefits of trading SSN in for another generally available head end system in the market are unlikely to justify this cost. Instead, PG&E should consider longer term strategic alternatives such as investing in partnerships with emerging market entrants that will advance the technology used to operate sensory devices and internet-of-things (IoT) connective networks and platforms.⁴ This consideration should be made in conjunction with the PG&E "AMI Strategy Refresh" initiative.

² Editors of Electric Light & Power/POWERGRID International. "Distributed energy resources pose biggest disruption to utility business model." *Electric Light & Power*. <https://www.elp.com/articles/2017/07/distributed-energy-resources-pose-biggest-disruption-to-utility-business-model.html>.

³ Girouard, Coley. "The Top 10 Utility Regulation Trends of 2017: 8. Rate Design for a DER Future." *Greentech Media*. <https://www.greentechmedia.com/articles/read/top-10-utility-regulation-trends-of-2017#gs.f=W=BhU>.

Gheorghiu, Iulia. "South Australia's Grid Service Costs Slashed 90% by Tesla Battery." *UtilityDive*. <https://www.utilitydive.com/news/south-australias-grid-service-costs-slashed-90-by-tesla-battery/523436/>.

⁴ St. John, Jeff. "Verizon's Cellular Plan: The Smart-Meter-As-Smartphone Network." *Greentech Media*. <https://www.greentechmedia.com/articles/read/verizons-cellular-plan-the-smart-meter-as-smartphone-network#gs.bJxiQ9o>.

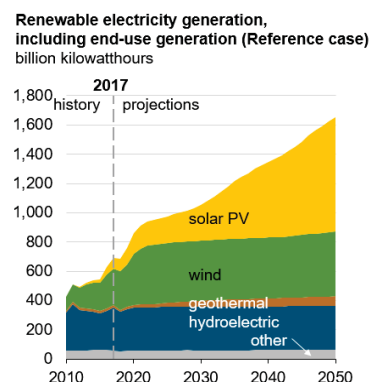
"Manage Energy Costs and Efficiency with a Smart Cloud Platform." *Verizon*. <http://www.verizonenterprise.com/industry/utility/intelligent-energy/>.

2.4 Mitigate risk of losing revenue base and failure to capture new energy service revenue opportunities

The traditional role of the utility faces challenges from market entrants that present non-direct and direct forms of competition for energy services revenues (such as Community Choice Aggregators and SolarCity). The mix of energy service revenues is projected to evolve, accounting for increased growth in renewables generation, energy storage grid services, and electrification. PG&E's capture of new energy services revenues, and retention of current customers, will depend on its ability to provide reliable and scalable billing, account management and payment services to the 'evolved' consumers of energy services supported by efficient back office operations. These market projections force PG&E to consider in the context of this strategy questions such as the following:

- ? What are the customer and revenue attributes to solve for in the coming 3 to 5 years? In the coming 5 to 10 years? Who is PG&E going to bill for in the future to retain and grow the revenues it needs to satisfy investors and shareholders? Will PG&E's role continue to be the primary biller of energy services or will it shift into a role of bill aggregator or settlement platform operator?
- ? Given business model reforms in the market, what customer service and distribution costs can continue to be justified and recouped as part of PG&E's revenue requirement (without leading to defection)?
- ? What technology, operational, and capital investments are more prudent to make in anticipation of these predictions? If PG&E is focused on reducing costs, technical debt and moving into a role of settlement then what solutions should we consider and what investments should be made (i.e. is there a bias to a certain solution strategy)?

The U.S. Energy Information Administration Annual Energy Outlook 2018 report, demonstrates that generation from renewable sources grows across all economic models assessed, led by growth in wind and solar photovoltaic generation even in cases with relatively low electricity demand or low natural gas prices.⁵ Per the EIA report, "battery-based storage costs are expected to continue to decline as utility-scale energy storage markets grow. Policies such as storage mandates in California and market participation rules in the PJM electricity market support near-term growth in storage systems to stabilize grid operations, improve utilization of existing generators, and integrate intermittent technologies such as wind and solar into the grid."



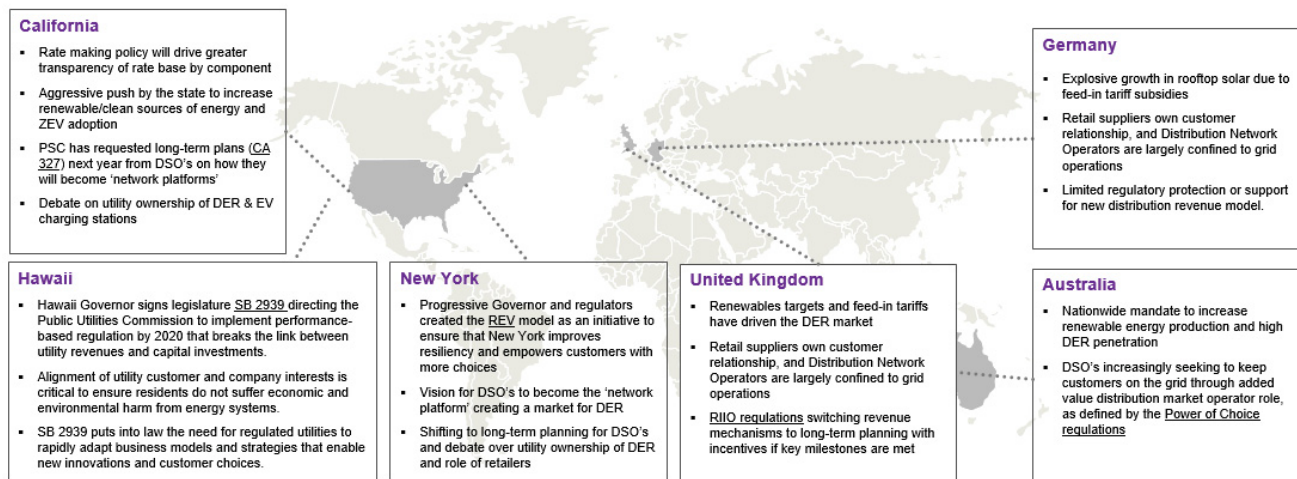
Accenture Research (circa 2016 to 2018) finds that globally, six notable markets are increasingly moving towards multidirectional power flow, are working to change the distribution service provider business model, and have exhibited evidence of significant penetration of distributed energy resources (DER).

Forbes. "2017 Roundup of Internet of Things Forecast." <https://www.forbes.com/sites/louiscolombus/2017/12/10/2017-roundup-of-internet-of-things-forecasts/#6f2e3cc01480>.

⁵ Annual Energy Outlook 2018. *Energy Information Administration*. (www.eia.gov/aeo).

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Regulators and policy makers are driving adoption of new business models with a focus on clean energy and consumer choice in six notable markets.



In a recent publication sponsored by the Department of Energy and Resources Group of the University of California, Berkeley, authors F. Castro and D. Callaway implore that:

*"The increasing penetration of distributed energy resources (DER) including advanced metering infrastructure (AMI), energy management systems (HEMS), solar photovoltaic and battery storage systems are enabling residential consumers, or "prosumers", to interact bidirectionally with electricity systems. Customers can not only purchase electricity from the grid but also provide the system with energy and reliability services (Schleicher-Tappeser, 2012). In regulated retail sectors, residential rate structures greatly influence this interaction. **Rates can impact adoption decisions, by changing the economic value of the technology, and can influence the usage of this resource.** Rates may also increase distributional disparities, creating cross subsidies between those who can and cannot adopt the distributed technology (Eid et al., 2014)."*⁶

This market paper and related analysis signals industry academic and economist support for utilities to adopt rate engine, rate analysis, and billing solutions that are 1) equipped to handle rate structures designed for bidirectional interactions between prosumers and the utility, and 2) architected to handle frequent changes and evolutions in mass market rate structures and design.⁷

2.5 Reduce operational costs (O&M), technical debt and avoid future costs

PG&E already experiences system-driven operational pain points and incurs a relatively high cost of operations to run, maintain and augment meter to cash business capabilities. The Billing Operations business unit deals with at least ~100K billing exceptions per month which exceeds Accenture's benchmark for high performing utilities that incur a billing exception rate of ~0.8%. A third-party study performed by The Hackett Group also found that the median utility peer in the US sample operates billing with 11.0 FTEs per billion dollars in revenue. These indicators validate PG&E's self-reported belief that the business is incurring higher operational costs than it should. Initial Accenture discovery consistently pointed billing operations staff being augmented to keep up with Community Choice Aggregation (CCA) or Energy Service Providers (ESP) related processes and exceptions and Advanced Billing System errors and manual work items in the volume of ~40K per month incremental to the ~100K in billing exceptions noted above. A lack of business configurable self-service capabilities drives significant dependence on IT for business rule and configuration value changes creating unnecessary lags in deploying such changes (e.g. rate changes). There are numerous manual-intensive workarounds in place that could be resolved through

⁶ F. Castro, D. Callaway. "Utility Pricing in the Prosumer Era: An Analysis of Residential Electricity Pricing in California." Department of Energy and Resources Group. University of California, Berkeley.

⁷ "How Leading Utilities Are Planning for Distributed Energy Resources." UtilityDive. <https://www.utilitydive.com/news/how-leading-utilities-are-planning-for-distributed-energy-resources/516260/>.

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systems, data, and process improvement. Certain rates, such as Residential Time of Use (TOU) and Net Energy Metering, while technically in place within Oracle CC&B or ABS, were reported by PG&E business users to require manual work effort to operationalize end to end; this is particularly true when the customer is also enrolled with an Energy Service Provider (i.e. CCA). The volume of these manual work items is expected to grow as the volume of CCA and NEM customers grows.

The pace of technology in the industry is increasingly challenging for utilities to maintain. As such, there is a great opportunity here for PG&E to strategically partner with selective service providers and/or leverage trusted third-party services that will help PG&E manage to a selected product roadmap. In the past, utilities had few choices and once a product or technology was chosen, a large capital investment would be made and that asset would be the utility's responsibility to maintain for 15 to 30 or more years. PG&E has an opportunity now to leverage and apply its Vanguard Architecture principles and begin to plan for its pivot towards an 'as-a-Service' model choosing from the range of delivery models (i.e., software-as-a-service (SaaS), platform-as-a-service (PaaS), or infrastructure-as-a-service (IaaS)). This approach in the long run would help mitigate the risk of being many versions behind (e.g. as experienced with L+G MDMS) and reduces the long term technical debt PG&E would otherwise incur to continually customize its systems to keep pace with industry improvements. However, the path to cloud will require planning, maturing of cloud operations in IT and the business, and a deliberate 'return to base' (i.e. surgical reduction and prevention of customizations and workarounds that will prevent future pivots to cloud and SaaS options).

Known providers are heavily investing in fully managed cloud solutions for utilities such as:

- ❖ SAP Cloud for Energy –Cloud for Energy is intended to be a next generation energy analytics solution equipped to store meter data and Instantly aggregate and analyze meter readings; determine consumption patterns; display peak demands / peak time; compare customer consumption with benchmarking, patterns; forecast consumption trends, peak demands, peak time periods. Judith Cabal from Australian Electricity Distributor Jemena spoke at the recent SAP conference in Lisbon about their successful participation in the beta program.⁸
- ❖ Oracle Utilities Customer Cloud Service (CCS) – Oracle CCS intends to combine the power of utility meter-to-cash solutions with the scale, agility, and simplicity of the Oracle Cloud. Built on the foundation of the Oracle Utilities Customer Care and Billing and Oracle Utilities Meter Data Management, CCS delivers a cloud-optimized customer platform.⁹

These examples are not meant to be exhaustive of the solution alternatives for PG&E to consider but indicators of where the leading software product companies for utilities are investing their research, product development (i.e. future business capability), and client support / business development resources. These indicators are used to inform prudent technology investment decisions and mitigate the risk of future technical debt and help avoid future costs (i.e. PG&E should reasonably expect the platform-as-a-service or software-as-a-service provider to keep current with industry best practices without significant customization burdened by the utility).

⁸ <https://internetofbusiness.com/internet-energy-qa-saps-henry-bailey-digital-prosumer-disrupting-utilities/>.

⁹ https://www.oracle.com/webfolder/s/delivery_production/docs/FY16h1/doc39/OUilitiesCusCSSolutionODec18.pdf.

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3 Solution Assessment

The approach taken to assess this directional strategy consists of the following steps:

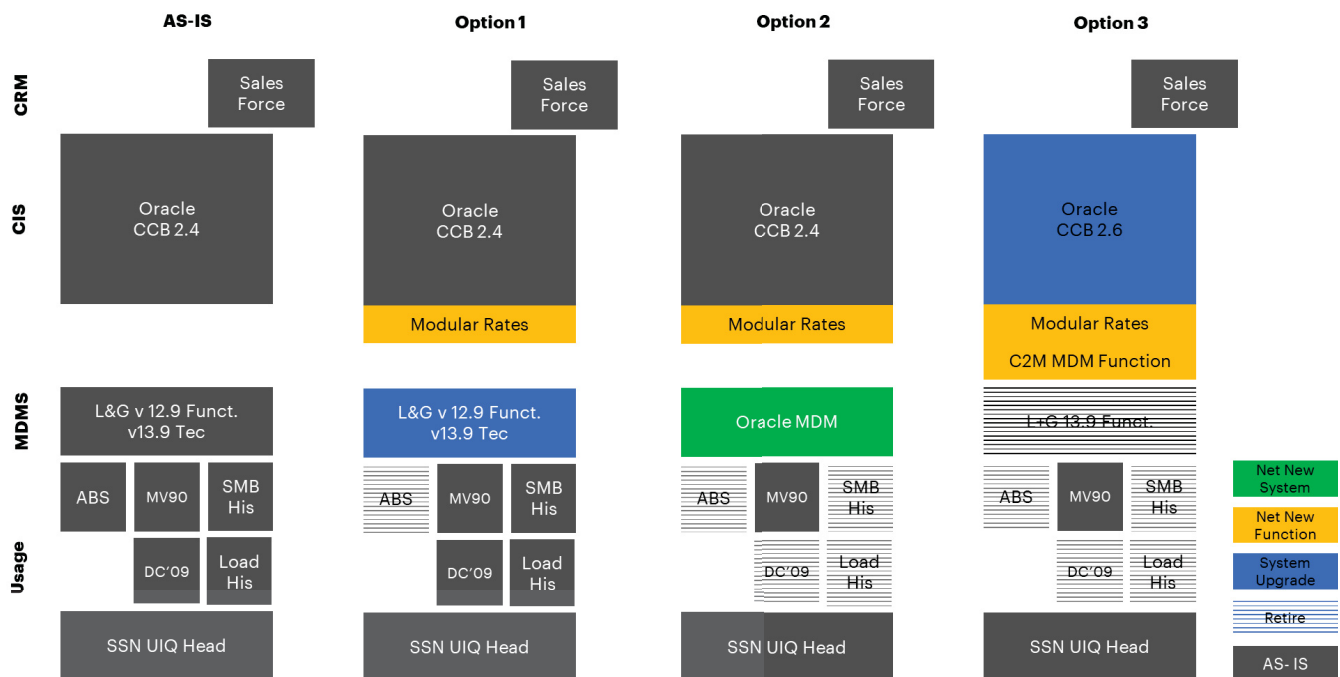
- Evaluate current system landscape (technologies)
- Document business use cases and system functions required to meet prioritized outcomes
- Based on PG&E's landscape, evaluate solution alternatives and document recommendation
- Create implementation roadmap and estimate to achieve the long-term solution strategy
- The systems to be considered in this strategy are listed in the table ("Applications Scope") below according to priority defined as follows:

Category	Scope Definition
Priority 1 -	Identify and document current limitations and projected needs/business priorities; assess and document solution alternatives; document solution recommendation with estimate to implement considering PG&E current landscape.
Priority 2 -	Document future disposition based on high level analysis supported by benchmarking; provide high level ROM estimate.
Priority 3 -	Confirm current disposition based on in-flight or completed initiatives.

3.1 Solution Analysis

PG&E operates in a vast and complex technical architecture than spans on-premise, cloud and "as a service" deployment. For this directional strategy, the solution alternatives below depict a subset of the meter to cash "major" systems. Although our initial evaluation is limited to this subset, our assessment considers inputs ranging from enterprise level technology strategy to internal processes and external markers. Additionally, this evaluation considers PG&E's cloud first strategy and long-term vision. The inputs described below are the "guide posts" for this interim recommendation, continuing as the evaluation criteria for the final recommendation.

Major Systems ROM – Early Watch Architecture On Premise Options



There are three vectors that we consider “major” systems within the given scope for this effort:

1. Systems that facilitate significant activities relating to billing and meter reading functions
2. Areas of the landscape that generate a high volume of exceptions, create a burden to the organization when ensuring timely billings, or ensure data integrity and accommodate effective rate changes
3. Systems and functions that are frequently targeted as areas where custom enhancement or new configuration is deemed necessary for the business to sustain current levels of service and to evolve (i.e. defect correction or new requirement such as rate implementation)

Business Outcomes

The primary business outcomes for this assessment are clear and consistent. Our evaluation considers the long-term desire to scale and ensure flexibility, in preparation for changes in the external market. The ten-year roadmap will position PG&E to move toward a more lean, modular infrastructure where functions are determined based on the best in class provider. The table below maps the priorities in this assessment to the business outcomes identified by the organization.

Priorities	Business Outcomes
Efficient Billing Operations	<ul style="list-style-type: none"> CO-1 Timely Bills CO-17 Optimize Customer Self Service CO-18 Optimize Exception Management
Future of Complex Billing – ABS Replacement	<ul style="list-style-type: none"> CO-1 Timely Bills CO-20 Optimize Exception Management CO-5 Streamline Billing System Integration
Growth of Third Parties - CCA	<ul style="list-style-type: none"> CO6 – CCA Onboarding
Lean Out CC&B (To make billing more efficient)	<ul style="list-style-type: none"> C10 – Parallel Rate Development – Agile Development CO1 – Timely Bills
Auto Cancel Rebill	<ul style="list-style-type: none"> CO-1 Timely Bills CO-18 Optimize Exception Management
Pricing Products	<ul style="list-style-type: none"> CO10 – Parallel Rate Development – Agile Development CO39 – Simplify Bill Development and Presentment CO8 – Quick changeability: Bill Presentment
Credit	<ul style="list-style-type: none"> CO19 – Collection Forecasting CO12 – ROI Prioritization for Collection Activities CO-20 Optimize Exception Management
Contact Center	<ul style="list-style-type: none"> CO2 Data Integrity CO18 Optimize Exception Management CO-5 Streamline Billing System Integration

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4

Primary Influencers to this Directional Position

Cost to Serve: The organization recognizes that there is an urgency to evaluate these key systems, as evidenced by metrics within the teams. Rate configuration implementation schedules are lengthening, pushing timelines out to 2-3 years; this is driven by changing rate complexity and system inflexibility, hindering the development and delivery of new rate components in parallel. Under the existing budget, the inflow and outflow of requested system changes has resulted in new business requirements. Currently, only mandatory or high/critical defects/requirements are prioritized for development. Differentiating rate structures that are introduced are more difficult to manage due to the aging system and lack of flexibility in the rate configuration engine. Long cycle time to develop rates is exacerbated by inefficient manual processes, such as the validation of configuration during and throughout promotion.

Automation and Manual Work: This is driving work towards other organizations needed to build interim work-around solutions. Automation and complex intergroup manual processing has become the norm, in lieu of root cause analysis, correction of underlying system related issues, followed by subsequent implementations.

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Organizational Swelling: Operational areas are meeting or exceeding service levels as set forth by the organizational performance metrics; however, the true burden to the organization may be masked. Our benchmarking exercise indicates that PG&E's billing support organization operates at a marginal % cost greater than like-kind, counterpart utilities. Functions and tasks that would normally be managed or maintained by modern, integrated and flexible systems are still being performed by human effort, and in some cases system maintenance has shifted to non-IT groups. This is raising the frustration level for the business support groups and elevating the desire for some ancillary systems to be candidates for consolidation. Other less evident, interim solutions are being utilized outside the IT organization to provide data to the business (e.g. SQL database and reporting solution retrieving MDM data). Other activities raise concerns around data integrity, such as correction of meter data management by directly updating databases without subsequent controls to ensure synchronization.

Scripting: Developing scripting solutions has become a competency of the organization, and creating them is now a natural path of rationalization for defects and issues. These self-healing organizational efforts are subtle, yet symptomatic signs of systems and processes that are degrading to unsustainability.

The combination of these factors leads us to suggest a recommendation that supports short-term action. While congruency with the longer term (5-10 years) architecture is a necessity and will be a charter for the final deliverable, this approach addresses significant, expected external changes (e.g. increased NEM, new DER participants, etc.).

Parallel Initiatives

The recommendation also takes additional initiatives into consideration, specifically the CC2020 Program implementing Salesforce Service Cloud (using Vlocity) and the desire to expand the scope of data consolidation and rendering to agents. A three-phase project is underway, focusing on consolidation of agent UI as well as orchestration of easily retrievable data for 15-20 front office systems. This initiative envisions an intermediary customer data platform (CDP) between Salesforce and CCB. Accommodating system consolidation, Web and IVR integration to Salesforce has a major impact on middleware, API and webservice calls to CCB. The scope of this project and extent of if it's reach is still being defined. The extent of functionality that will be included in this layer is still unclear, but any business rules or application logic that shifts from CCB to CDP creates more complexity, as well as redundant cost incursion if an upgrade to CCB is considered.

Highly Customized Landscape of Oracle

Based on the age of the system and decisions made over the life of CCB, the level of customization is high and has resulted in significant deviation from Oracle's core application. Any upgrade effort requires a deep dive to understand the nature and distribution of customization across business processes. Another consideration includes whether an upgrade is feasible or the benefits could be realized over a green field implementation of a new billing, front office and subledger contained system, or alternatively a solution focused on a modular core competency.

An in-progress input to Accenture's ongoing analysis is the system extract of Oracle CC&B customizations that currently reside in the system today (this is being provided by PG&E and Oracle). This will be used to assess the order of magnitude of customization areas and to devise practical approaches for "returning to base" as well as implications for future upgrades or conversions as part of the final deliverable.

Enterprise System Deployment Strategy

In our evaluation, we considered the current maturity of the cloud first strategy, understanding the outstanding key decisions around an enterprise level cloud architecture. A cause for concern is a lack of fundamental governance principles regarding cloud system design, implementation and maintenance. The journey to cloud is highly dependent on a clear path to benefits, covenants for driving the strategy and cross organization integration. This area requires further detailed discussions with the business to understand drivers such as speed to market, scalability or desire to make a wholesale shift in IT operational philosophy. These require a more overarching understanding of whether PG&E is committed to transforming how IT operations views the software, platform and infrastructure. The second option in this interim directional strategy reflects a

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cloud component for the meter data management solution; however, the ROM cost to implement it requires further evaluation, as assumptions would need to be defined. An understanding of PG&E's view on SAAS, IAAS and PAAS, as well as sizing and treatment of systems needs to be flushed out for the cost estimate to be relevant (e.g. virtual machines, data centers, platform strategy AWS/Azure etc...). In the short-term, this may distract from the primary objective of our analysis and increase the risk of failing to provide the expected benefits.

The Caution of Stranded Systems: Before moving systems to the cloud, a holistic on-premise retirement strategy needs to be an entry criterion for the organization. If systems are left in place that are inadequately performing functions, the rationale for moving to the cloud could be undermined, as these systems continue to incur costs and dilute the dollarized benefits.

Continuity and Buying Power: PG&E should pause and synchronize all teams working on cloud initiatives, assuming the long-term strategy mirrors the intent for on premise systems of moving toward modular but "consolidated" to single providers for a given function. At the onset of our discovery, we identified the use of multiple cloud platforms as well as separate licensing models for the same application. SAP Hana Cloud platform is being leveraged, with a desire to expand that footprint. Separately, cloud software as a service (i.e. Salesforce) has multiple licensing plans, and the instances themselves lack visibility between groups. The issue will become evident after launching consolidation initiatives in the cloud (i.e. consolidation of agent UI/UX in Salesforce / Heroku), and a new cloud infrastructure will emerge with multiple non-integrated sales force instances. Naturally, a collective effort and overall enterprise cloud architecture strategy will provide a stronger framework for hyperscale and give PG&E more buying power with vendors. PG&E should avoid rebuilding the on-premise landscape in the cloud, else risk high redundancy in cost and potentially inability to expand its footprint in 5-10 years.

Methodology

PG&E has operated under a traditional waterfall methodology for decades, systematically moving through each stage in the process. Constraints such as regulatory decision time, lack of insight into capacity of resources, and manual operations (as mentioned in previous sections) have elongated the overall process. Project management is also a focus area, as the group has the potential to influence and implement methods that are congruent with newer flexible and agile solutions. PG&E has vocalized a desire to move towards an agile or hybrid-agile methodology on both the IT and Business sides. Elements of an agile process will be essential to complement our solution recommendations.

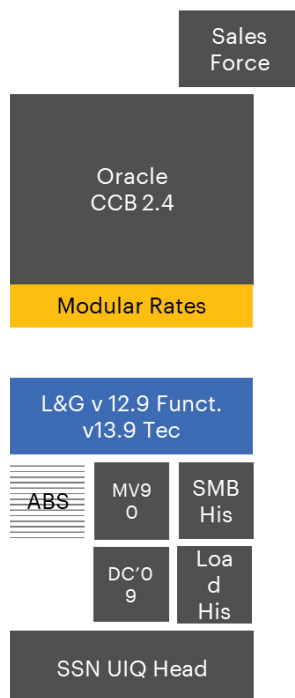
3.2 Solution Alternatives (3-5 years)

Primary Systems (Priority 1):

Meter to Cash Functional Area	Current System	Priority	Priority	Priority
Meter Data Management	Landis & Gyr MDMS	X		
VEE	Landis & Gyr MDMS	X		
VEE	EVEE (Lodestar)	X		
Usage Framing for ABS	LOADHIST	X		
VEE for ABS	CDW/IDA	X		
Usage Framing for ABS	SMBHIST	X		
Usage Framing for ABS	DA Bill	X		
Complex Billing	Advanced Billing System (ABS)	X		
CIS	Oracle CC&B	X		
Rate Engines	ABS/Advanced Billing System	X		
Rate Engines	GridX	X		
Rate Engines	Genability (Opower)	X		
Rate Engines	Genability (First Fuel)	X		
Rate Engines	SAS (Joint Rate Comparison)	X		
Rate Engines	Interact	X		
Market Transactions (CCA)	CCA/ESP	X		
Data Sharing (with CCAs, Customers, etc.)	TBD	X		

Based on our analysis, below are 3 short term (3-5 year) solutions to solve the organizations current pain points, and position PG&E for future industry changes.

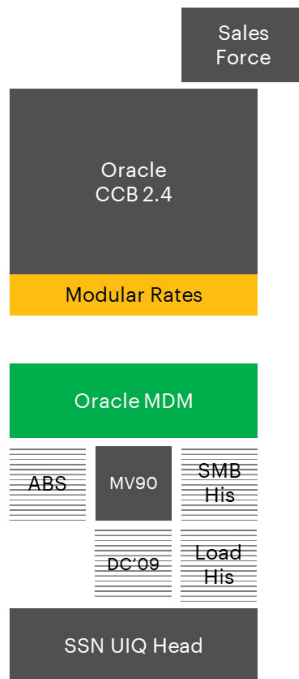
Option 1



Solution Option 1

Maintain Existing Oracle CCB System, Upgrade L&G MDM and Maintain Ancillary Systems
 Consolidate ABS functionality into L&G MDM
 Implement Oracle Rate Management engine and Rate Expert Functionality
 Implement Hybrid Devops Agile Design Methodology
 Implement Meridien Rate Promotion Tools
 Implement Oracle Testing Automation.

Option 2



Solution Option 2

Maintain Existing Oracle CCB System

Implement Net New MDM

- Oracle Utilities Meter Data Management 2.0.1 and Oracle Utilities Smart Grid Gateway 2.0.0 Integration Utility Reference Model library.
- Oracle Utilities Smart Grid Gateway MV-90 Adapter for Itron Loads MV-90 binary formatted usage data and interval status codes
- Oracle Utilities Smart Grid Gateway Adapter for Silver Spring Networks UI

Consolidate Systems to MDM:

- Advanced Billing, SMB Hist/Load HIS
- MV90 and DC'09 Consolidation

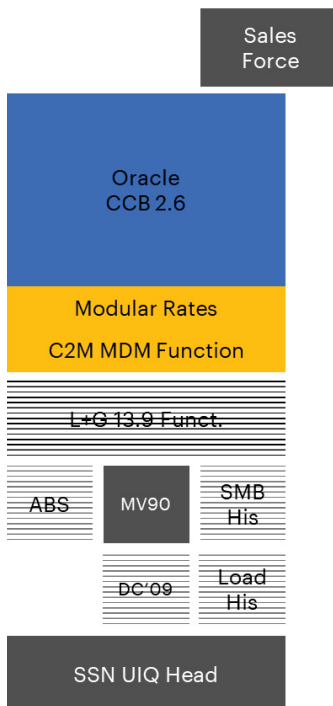
Implement Oracle Rate Management engine and Rate Expert Functionality

Implement Hybrid Devops Agile Design Methodology

Implement Meridien Rate Promotion Tools

Implement Oracle Testing Automation.

Option 3



Solution Option 3

Upgrade Oracle to Current Release, Realign to Support Levels
Implement and Consolidate to Oracle Customer to Meter Solution

- Conversion of MDM to single database layer C2M single MDM and Billing System

Consolidate Systems to MDM:

- Advanced Billing, SMB Hist/Load HIS
- MV90 and DC'09 Consolidation

Implement Oracle Rate Management engine and Rate Expert Functionality

Implement Hybrid Devops Agile Design Methodology

Implement Meridien Rate Promotion Tools

Implement Oracle Testing Automation.

Below is an evaluation of three MDMS systems (Oracle, Itron, and L+G) based on functionality. Our analysis prioritized solving the significant issues with integration that were expressed by the business. Therefore, the Harvey balls highlight the current gaps with the L+G technology, aligning with the pain points of the organization.

Key Functional Areas	Importance	Oracle	Itron	L+G
Receive Reads / Interval Data	High	●	◐	◐
Validate Reads / Interval Data	High	●	●	◐
Estimate Reads / Interval Data	High	●	●	◐
Perform Rate Calculations	High	●	●	◐
Sync Reads / Interval Data	High	●	◐	◐
Process Alarms / Events	Low	◐	◐	◐
Extract Data to Data Warehouse	Med	◐	◐	◐
Exception Routing	Med	◐	◐	◐
Provide Data to CIS system	High	●	◐	◐

3.3 Directional Strategy Recommendations (3-5 years)

The acceleration of renewable penetration and the advent of new technologies will solve many of the existing constraints of IOT interoperability over the next 5-10 years, and this force will require PG&E to make a paradigm shift. Major components of the technology landscape will be new and different, not just faster and leaner. New technologies will have profound implications on how PG&E will interact with customers and peers in the Utility ecosystem. PG&E must make some key decisions now to protect the core business and prepare for a leap to some new platforms, as opposed to simply advancing sustainable technologies. The current state has both acute injury and chronic pain that may be unnoticed, despite key metrics in the business being met.

Preliminary Directional Recommendation – Option 2

After completing our discovery, we recommend replacing L&G with Oracle Meter Data Management and Smart Meter Gateway System. We further recommend implementing a staging tool (e.g. Meridien or other) to shorten the cycles of development and testing comparative validation of rates, accelerating the promotion of rates through the system. Additionally, we recommend consolidating the Advanced Billing System into Oracle MDM. Corresponding effort would be required to create the correct master data (virtualized non- smart bi-directional meters), such that certain customers currently residing in ABS can return to the meter to cash lifecycle. Data would flow between Oracle and MDM without circumvention to ABS and all the supplemental processes required to successfully bill in that system. Lastly, we recommend a top down adoption of an agile methodology that gives directive and requires adherence. Beyond just the methodology, estimating methods need to be evaluated and standardized. Work planning tools that lack visibility into cross team capacity should be a formal part of the change, as overallocation is the primary reason participation fails. Testing rationale and current methods need quality assurance. Automation in audit testing scripts will be evaluated further as we continue our discovery, but it is evident that regression testing is a bottleneck the organization cannot afford to accept when moving to a leaner framework.

Supporting External Factors for this Recommendation

Convergence of technologies such as blockchain, AI and IOT along with exponential cost reduction of solar, wind and storage will accelerate decentralization in the future. Sharing cryptographically secured data between peers whether customer, vendors, or regulators will change the role of the Utility and introduce new ways to integrate, disrupting some parts of the traditional digital enterprise infrastructure. This will bring peers and assets (e.g. charging stations, EV's, Micro-grids,) closer to the utility. For this initial evaluation, we do not recommend further investing in changes to central coordinators such as head ends systems until industry market entrants have matured peer solutions. We will discuss this further as part of our 10-year strategy and recommendation.

4 Benchmarking

The following table provides a scan of the meter to cash enterprise system technologies currently in production (or in stages for implementation) across a significant population of North American Utilities. This population is treated as representative of the 'local market' or 'North American utilities industry' for purposes of this study.

North American Utility	Customers (million)	% AMI installed (Elec only)	AMI Communication Technology (LAN)	MDM	CIS
PG&E	7	100%	RF Mesh (Silver Spring)	Landis+Gyr MDMS (Electric) and Aclara MDM (Gas)	Oracle CC&B
SCE	5	100%	RF Mesh (Itron)	Itron IEE MDM	Legacy CIS (SAP S/4 ISU in progress)
Oncor	3.5	100%	RF Mesh (L+G)	Landis+Gyr GridStream MDMS	Oracle CC&B
Centerpoint	5.8	100%	RF Mesh (Itron)	Siemens EnergyIP (formerly eMeter)	SAP ISU
PPL	1.4	100%	PLC (Aclara)	Aclara MDM	Customer/1
Louisville Gas & Electric & KU (PPL)	1	<10%	RF Mesh (L+G Planned; pilot is using Itron)	Landis + Gyr MDMS Planned	SAP ISU
SDG&E (Sempra)	3.6	100%	RF Mesh (Itron)	Itron IEE MDM	Customer/1 (SAP S/4 ISU planned)
Pepco (Exelon)	2	100%	RF Mesh (Silver Spring)	Itron IEE MDM	SAP ISU
APS	1.2	100%	RF Mesh (Elster)	Aclara MDM	Oracle CC&B
Puget Sound Energy	1.8	100%	RF Mesh (L+G)	Landis+Gyr GridStream MDMS (formerly Ecologic Analytics)	SAP ISU
OG&E	0.8	100%	RF Mesh (Silver Spring)	Elster MDM (EnergyICT)	SAP ISU
Toronto Hydro	0.8	100%	RF Mesh (Elster)	Siemens EnergyIP (formerly eMeter)	Oracle CC&B (upgrade planned)
Portland General Electric	0.9	100%	RF Tower (Sensus)	Custom system (Oracle MDM in progress)	Legacy CIS (Oracle CC&B in progress)
FPL (NextEra)	4.9	98%	RF Mesh (Silver Spring)	Itron IEE MDM	Customer/1
Southern Co.	9.3	96%	RF Tower (Sensus)	Itron IEE MDM	Customer/1 (Oracle CC&B planned)

BC Hydro	1.9	95%	RF Mesh (Itron)	Itron IEE MDM	SAP ISU
Peco (Exelon)	1.9	94%	RF Tower (Sensus)	Oracle MDM	Customer/1 (Oracle CC&B planned)
Hydro-Quebec	4	92%	RF Mesh (L+G)	Elster MDM (EnergyICT)	SAP ISU
Hydro One	1.3	92%	RF Mesh (Trilliant)	Itron IEE MDM	SAP ISU
NV Energy	1.2	92%	RF Tower (Sensus)	Itron IEE MDM	Legacy CIS
SRP	1	90%	RF Mesh (Elster)	Elster MDM (EnergyICT)	Legacy CIS
BG&E (Exelon)	1.9	86%	RF Mesh (Silver Spring)	Oracle MDM	Oracle CC&B (re-platform planned)
DTE	3.3	56%	RF Mesh (Itron)	Itron IEE MDM	SAP ISU
Ameren	3.3	37%	RF Mesh (L+G)	Landis+Gyr GridStream MDMS	Customer/1
ComEd (Exelon)	4	29%	RF Mesh (Silver Spring)	Oracle MDM	Customer/1 (Oracle CC&B planned)
Duke Energy	8	28%	RF Mesh (Itron)	Oracle MDM	Customer/1 (SAP S/4 ISU in progress)
National Grid	6.5	<10%	TBD – Selection in process	TBD – Selection in process (AMI Pilot using hosted Itron MDMS)	Customer/1 (new CIS selection in process)
AEP	5.4	24%	RF Mesh (Silver Spring)	Oracle MDM	Legacy CIS
Consumers Energy	1.8	22%	RF Mesh (Itron)	Itron IEE MDM	SAP ISU
FirstEnergy	6	16%	RF Mesh (Itron)	Itron IEE MDM	SAP ISU
ConEd	4.4	3%	RF Mesh (Silver Spring)	Siemens EnergyIP (formerly eMeter)	Legacy CIS
KCP&L	0.8	2%	RF Mesh (L+G)	Oracle MDM	Oracle CC&B
PacifiCorp	1.8	<10%	RF Mesh (Silver Spring)	Itron IEE MDM	Legacy CIS (SAP ISU planned)
SaskPower	0.6	<10%	RF Tower (Sensus)	Siemens EnergyIP (formerly eMeter)	SAP ISU

5 ROM Estimate

The overall nominal implementation cost of \$28-\$30 Million for project implementation costs is depicted in the table below. In our analysis, we used Option 2 as the foundational scope for this ROM estimate. This ROM estimate covers the cost to achieve:

- A net new Oracle MDM replacing L+G MDMS
- A net new Oracle Smart Grid Gateway Integration with at least 4 head end systems
- Migration of ABS into the Oracle Suite
- Reimplementation of California electric and gas rates using the Oracle modular rates engine

This ROM is **benchmark based** (not bottoms up) and has a +/- 30% confidence factor rating for the scope used as a basis given the fact-finding activities and analysis still in progress. Note that this estimate does not include the rate engine rationalization (i.e. migration away from GridX, Genability, Interact, SAS) or gas balancing billing.

It is also possible for the scope and solution direction to evolve or pivot as this strategy project continues and new information is discovered and analyzed.

Option 2 ROM Estimate	Project Implementation Costs (for S1 Planning)	MDM & SGG Licenses	Annual Maintenance	Total Estimate for 2 years
Re-implement rates into Oracle CCB v 2.4, Net New Oracle MDM and SGG, Consolidation of ABS and related key usage / VEE systems into core Oracle platform	\$28 to 30M	\$7.5M	\$3M (2 year)	\$38 to 40.5M

Oracle licensing and annual maintenance costs (pro-rated for 2 years) are based on the Oracle MDM Business Case (dated May 16, 2018) artifact received through PG&E.

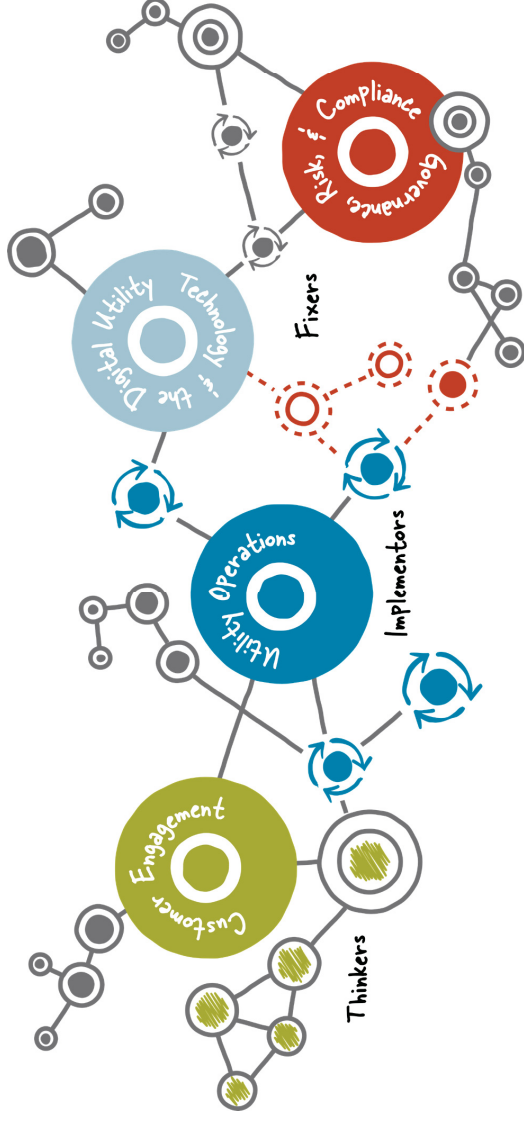
6 Appendix

Meter to Cash Functional Area	Current System	Priority 1	Priority 2	Priority 3
Scheduling & Dispatch	Field Automation System (Ventyx)			X
Case Management	SalesForce		X	
Case Management	EI / Informatica			X
Demand Response	DR Event Notification			X
GIS	EDGIS			X
Head End	STAR Hexagram		X	
Head End	UIQ		X	
Head End	SSN		X	
Head End	MV 90 (Electric) and DC 2009 (Gas)		X	
Head End	Itron Read Meter (MRE)		X	
Meter Data Management	Landis & Gyr MDMS	X		
VEE	Landis & Gyr MDMS	X		
VEE	EVEE (Lodestar)	X		
Usage Framing for ABS	LOADHIST	X		
VEE for ABS	CDW/IDA	X		
Usage Framing for ABS	SMBHIST	X		
Usage Framing for ABS	DA Bill	X		
Complex Billing	Advanced Billing System (ABS)	X		
CIS	Oracle CC&B	X		
Rate Engines	ABS/Advanced Billing System	X		
Rate Engines	GridX	X		
Rate Engines	Genability (Opower)	X		
Rate Engines	Genability (First Fuel)	X		
Rate Engines	SAS (Joint Rate Comparison)	X		
Rate Engines	Interact	X		
Market Transactions	EDI			X
Bill Print	KUBRA		X	
Market Transactions (CCA)	CCA/ESP	X		
Data Sharing (CCAs, Customers, etc.)	TBD	X		
Flexible Customer Bill Presentment and Notification	TBD - Future Capability		X	
Flexible Customer Payment Options	TBD - Future Capability		X	

Applications Considered (this mid-May deliverable is concerned with the applications marked as a Priority 1):



In everything we do, we believe that an innovative and thriving utilities sector is central to a sustainable future on earth.



Meter-to-Cash (MTC) Strategy Alternatives Analysis and Recommendation Business and IT Stakeholder Review

Prepared for

November 20, 2020



**Pacific Gas and
Electric Company®**

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- 1 MTC Alternatives and Recommendation
- 2 Next Steps
- 3 Appendix- Analysis of Alternatives (1-3)



MTC Alternatives and Recommendation

A set of guiding principles served as a framework to define and evaluate the MTC alternatives

Guiding Principle		
1. Customer/Employee Ease and Simplicity	We design in “frictionless processes” and design out non-value-added activities	
2. Speed and Agility	We reduce system integration complexity and where possible give preference to loose coupling over tight coupling of systems	
3. Error-free Processing	We reduce/eliminate exceptions and avoid hiding design issues behind people and tools	
4. Eliminate Duplication	We minimize duplication of data (databases), of business rules (application), and manual effort	
5. Optimize Data Quality and Retention	We ensure data quality and optimize data retention through strong data governance policy adherence and observance of leading data management practices	
6. Business and Customer Alignment	All change clearly aligned with business and customer strategy	
7. Long-term Value and Risk	All change underpinned by a clear-cut business case while maintaining platform health	
8. Infrastructure Deployment	Deploy to a cloud infrastructure first, subject to some very important qualifications including sunk cost	
9. Strategic Vendor Partnerships	We selectively maintain some long-term strategic vendor partnerships based on shared vision, values, planning, communications, risk, and reward	

We initially examined five alternatives and settled on three for more detailed analysis

Unattractive but feasible short-term fallback

Attractive alternatives

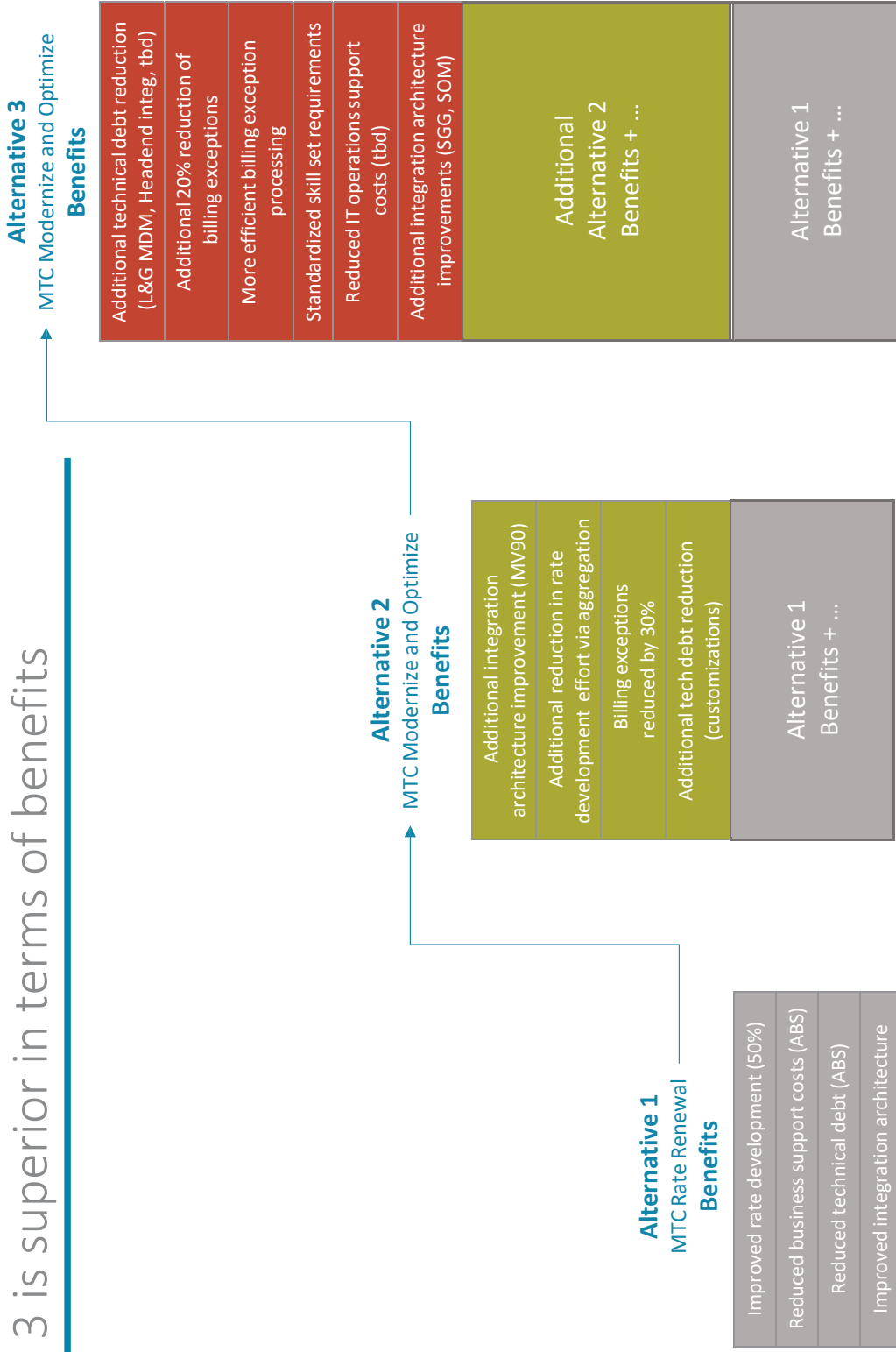
Unattractive alternatives
Eliminated due to:

- prohibitive cost (alt 4)
- unacceptable risk (alt 5)

Alternative*	Core CIS	MDM	Complex Rating/Billing	Key Architectural Elements
1 MTC Rate Renewal	CC&B 2.4 (modular Rate Engine)	L&G (as is)	Billing Cloud Service	<ul style="list-style-type: none"> • Reconfigure CC&B v2.4 implementing the modular rate engine • Move all mass market ABS accounts to core CC&B platform • Migrate complex ABS accounts to BCS platform • Maintain L&G MDM "as is"
2 MTC Modernize and Optimize	CC&B 2.7** (modular Rate Engine)	L&G (w/framing)	Billing Cloud Service	<ul style="list-style-type: none"> • Upgrade CC&B to v2.7, implement modular rate engine; • Move usage framing functionality to L&G MDM • Move complex ABS accounts to BCS platform • Migrate all ABS mass market accounts to CC&B • Maintain current head end integration
3 MTC Streamline and Optimize	C2M		Billing Cloud Service	<ul style="list-style-type: none"> • Productize Core CIS/MDM integration using C2M • Move complex ABS accounts to BCS platform • Migrate all ABS mass market accounts to CC&B • Leverage Service Order Management capability • Rebuild head end integrations to SGG
4 MTC Vendor Replacement	SAP	Siemens	TBD	<ul style="list-style-type: none"> • Replace current Oracle architecture with SAP/Siemens platform • Benchmarks indicate \$800M – \$1.2B deployment cost
5 MTC Component Best of Breed	PG&E Standard Rate Engine + Best of Breed Billing Capability	Best of Breed (Oracle, L&G, Siemens)	None	<ul style="list-style-type: none"> • Build single rate engine utilized enterprise wide • Build and integrate core billing system elements from best of breed • Build best of breed MDM (Oracle, L&G, Siemens)

* See appendix for diagrams and further details
 ** CC&B 2.7 = C2M without AMS licensing (aka C2L&G)

Alternative 3 is superior in terms of benefits



We recommend Alternative 3, as it optimizes cost, benefit and strategic alignment

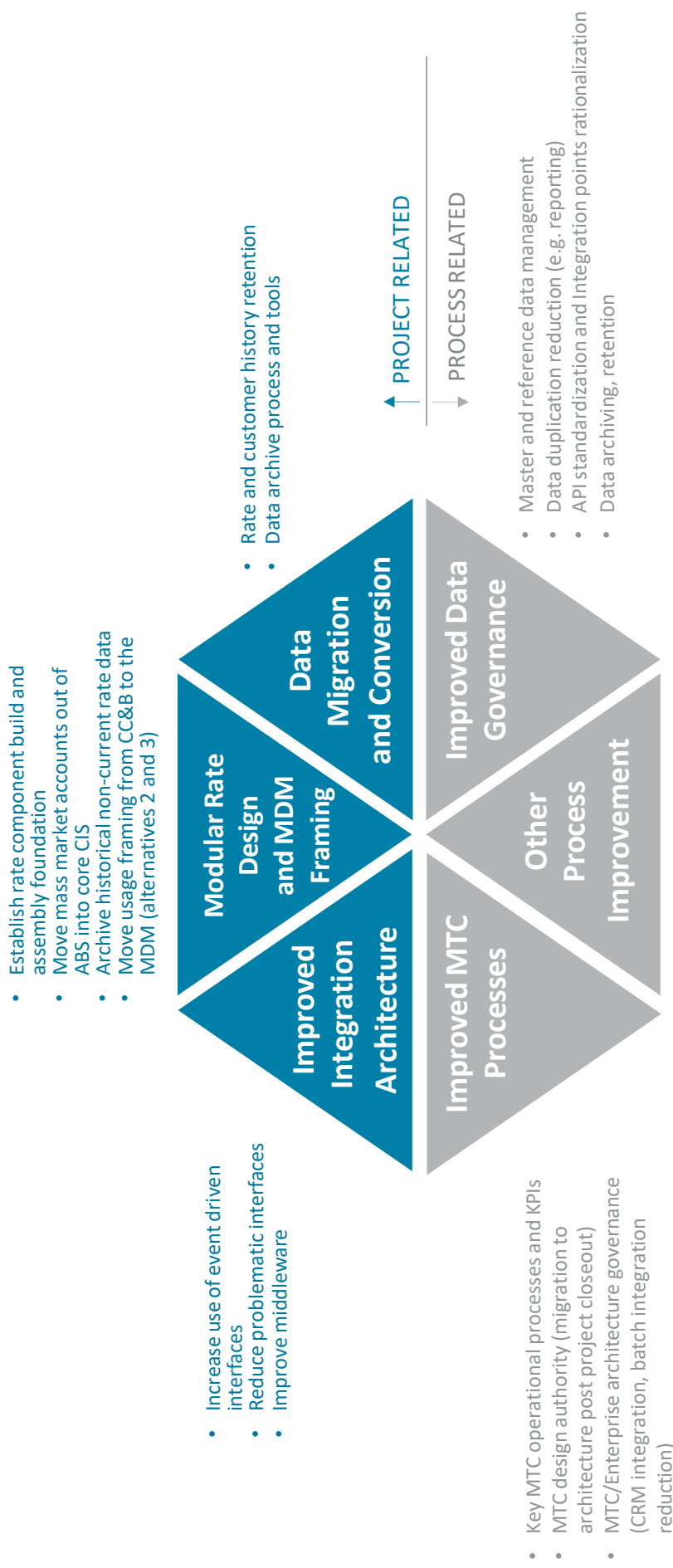
	Alternative 1: MTC Rate Renewal	Alternative 2: MTC Modernize and Optimize	Alternative 3: MTC Streamline and Optimize
Strategic alignment*	Low	Medium	High
Business and IT Benefits	Low	Medium	High
ROM costs**	\$50M	\$125M	\$160M
Timeframe**	20 months	25 months	30 months

* Strategic alignment analysis available in Appendix

** Cost and schedule estimates subject to +/- 30% variance (establishes estimate range) and does not include cost impacts to dependent projects

Under all alternatives, BCS is the foundation rating engine for complex C&I billing in addition to other foundation work including adoption of a new modular rate framework

Additionally, there are several foundational elements common to improving the technical architecture and closing capability gaps



Next Steps

The next steps will focus on choosing a desired approach and starting key near-term activities

Completing the MTC Strategy...

1. Select preferred approach
2. Collaborate with PG&E, benefit and cost calculations
3. Document multi-year activity timeline (align with external projects)

Maintaining momentum with near-term activities...

- **Initiate** exception management root cause analysis (foundational)
- **Support** the ABS Replacement Project (aligned with strategy)

Optional...

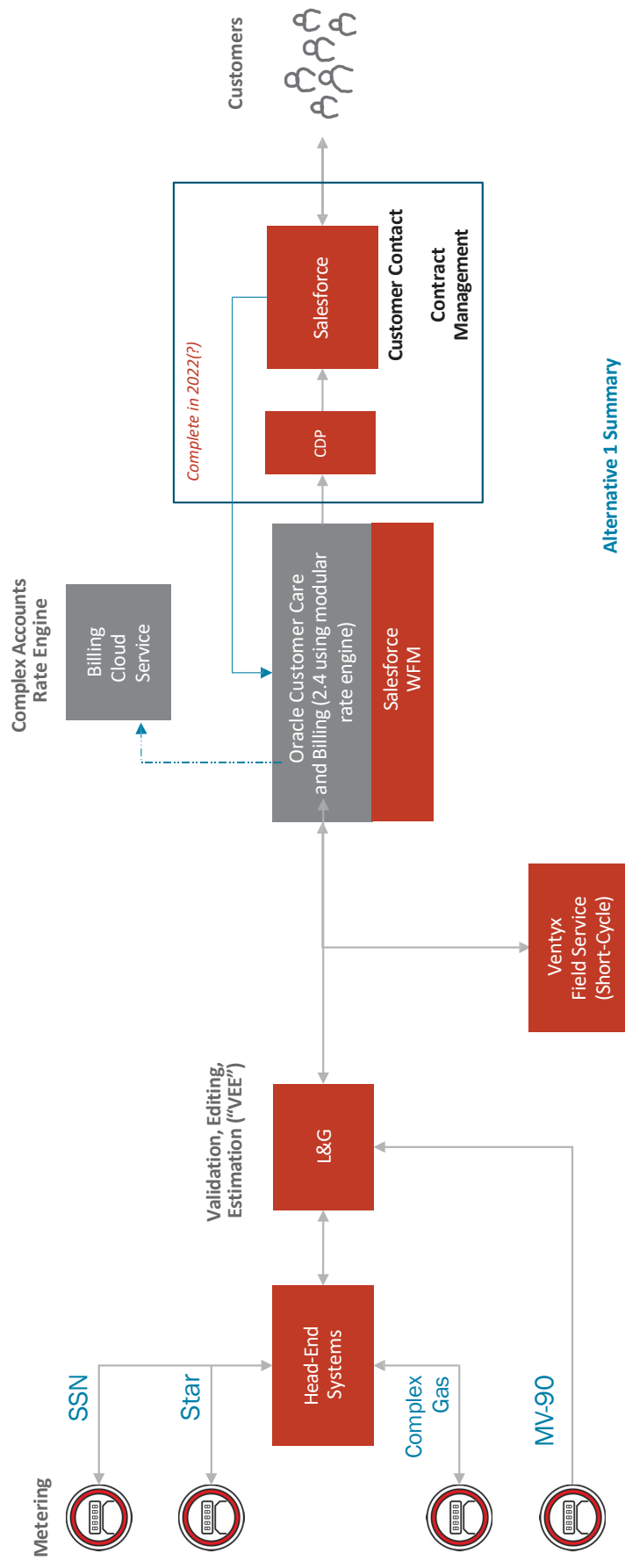
- Build out selected alternative's business case to present as a PG&E portfolio candidate program

Thank you

Appendix Alternative Architectures and Analysis

Alternative 1: MTC Rate Renewal

Alternative 1: MTC Rate Renewal



Alternative 1 Summary

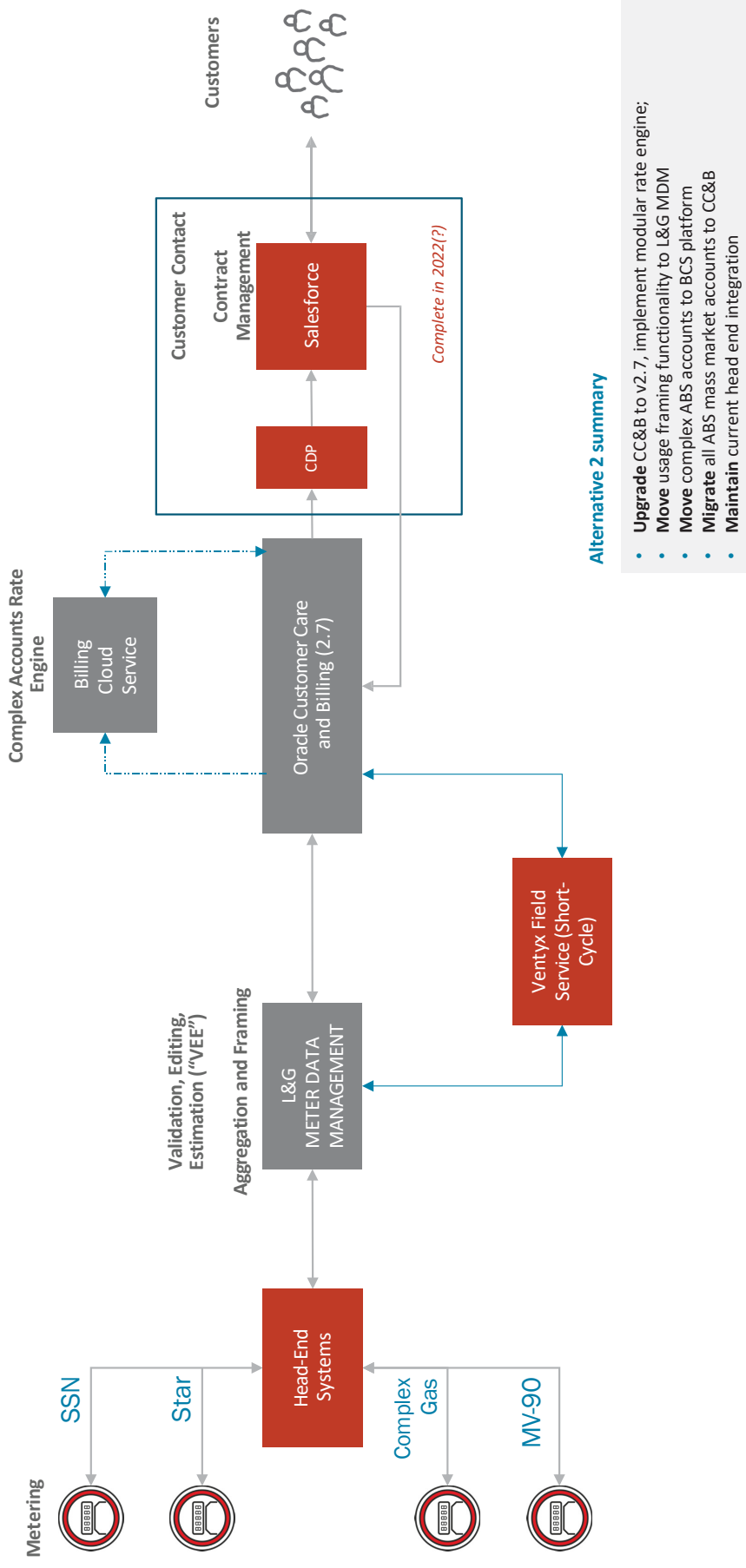
- **Reconfigure** CC&B v2.4 implementing the modular rate engine
- **Move** all mass market ABS accounts to core CC&B platform
- **Migrate** complex ABS accounts to BCS platform
- **Maintain** L&G MDM "as is"

Alternative 1: MTC Rate Renewal Analysis

Alternative Description	
<ul style="list-style-type: none"> This alternative provides incremental improvements in the current architecture by implementing the modular rate engine within CC&B 2.4 (or 2.5) to improve future speed to market for new rate programs and updates 	<ul style="list-style-type: none"> BCS as foundation rating engine for complex C&I billing There are no modifications to the existing L&G MDM or other integration points. This is the “planning architecture” and anticipated data model to utilize for the pending CRM (Contact Center 2020 reboot) project.
Assumptions	Cons
<ul style="list-style-type: none"> All mass market rates in core CC&B Minimal high value customers in BCS Utilize labor resources to migrate mass market ABS accounts to CC&B (modular rate engine) Eliminate customizations due to existing “classic” rate design Contact Center 2020 project provides customer service functionality 	<ul style="list-style-type: none"> Product is still near end of life ... “dead ends” PG&E’s ability to upgrade beyond 2.5 Retires very little technical debt Does not provide an agile platform for the future Other business and IT pain points are not addressed <ul style="list-style-type: none"> Latency Testing
Cost and Schedule (+/- 30%)	
<ul style="list-style-type: none"> \$50M 20 months 	<div>Benefits</div> <div> <ul style="list-style-type: none"> <u>Hard Benefits</u> <ul style="list-style-type: none"> Reduced cost to respond (implement/modify) to rate changes Reduced business and IT ABS support costs <u>Additional Benefits</u> <ul style="list-style-type: none"> Improved integration architecture resulting in improved data synchronization and some business exception handling </div> <div>Risks</div> <div> <ul style="list-style-type: none"> Business continuity risk of running CC&B past its product vendor support life Ability to build mass market rates in CC&B to align schedule with BCS “go live” Oracle BCS product is a relatively new with limited market penetration Unanticipated CCA and CPUC complex rating program requirements </div>

Alternative 2: MTC Modernize and Optimize

Alternative 2: MTC Modernize and Optimize

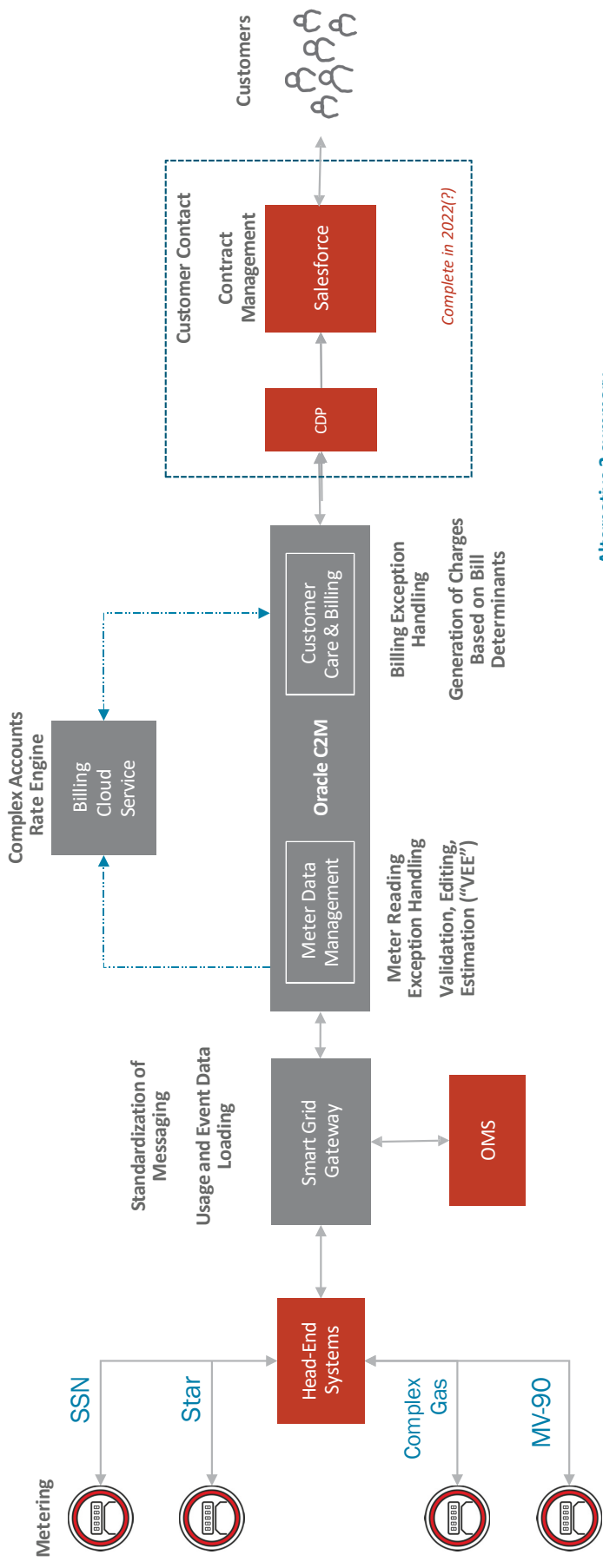


Alternative 2: MTC Modernize and Optimize Analysis

Alternative Description	
<ul style="list-style-type: none"> This alternative modernizes the core billing platform by upgrading CC&B from version 2.4 to 2.7. This technical upgrade provides PG&E with an "in support" version. Additionally, the modular rate engine capability will be utilized, necessitating upgrade of the existing rates in 2.4, but enabling many of the existing ABS accounts to be migrated to CC&B. 	<ul style="list-style-type: none"> BCS is the complex C&I rating engine The Landis and Gyr MDM will provide usage framing to eliminate the need to move large amounts of usage data to CC&B. This is in-line with a industry standard MDM usage approach The migration of customer service capability to the Salesforce tool will be on-going and will require alignment of the data model.
Assumptions	
<p>Same assumptions as alternative 1 plus:</p> <ul style="list-style-type: none"> Process reengineering to significantly reduce exception volume Like for like Oracle To-Do functionality replaces Salesforce WFM Eliminate customizations associated with current usage aggregation and the 'classic' rate engine 	<ul style="list-style-type: none"> CC&B will continue to serve as customer and usage system of record leveraged by other systems including CRM. This alternative eliminates the need for new head-end integration The architecture will drive to reduce integration points with the use of event driven publish/subscribe middleware
Cost and Schedule (+/- 30%)	
<ul style="list-style-type: none"> \$125M 25 months 	<p>Benefits</p> <p>Hard Benefits (same as Alternative 1 plus)</p> <ul style="list-style-type: none"> Reduction in billing exception handling cost and Further reduction in rate development (eliminates aggregation issues in billing module) <p>Additional Benefits</p> <ul style="list-style-type: none"> Improved L&G and Oracle support (future upgrades and improved functionality) <p>Risks</p> <ul style="list-style-type: none"> Change management (IT and business) Unknown design impacts to CC2020 project Unanticipated CCA and CPUC complex rating program requirements Oracle BCS product is a relatively new with limited market penetration
Assumptions	
<p>Same assumptions as alternative 1 plus:</p> <ul style="list-style-type: none"> Process reengineering to significantly reduce exception volume Like for like Oracle To-Do functionality replaces Salesforce WFM Eliminate customizations associated with current usage aggregation and the 'classic' rate engine 	<p>Pros</p> <ul style="list-style-type: none"> "Medium" effort alternative Aligns PG&E with industry accepted MTC approach (aggregation) Reduced risk due to keeping existing head-end integration into MDM stable. Eliminates ABS obsolescence risk Supports all mass market rates and an improved rate program development and rollout Medium impact to Contact Center 2020 Limited impact to current support model and staffing <p>Cons</p> <ul style="list-style-type: none"> Multiple release cycles and system upgrades and maintenance User experience and data availability through multiple systems Needed segmentation of user assignments Retires little technical debt Other business and IT pain points are not addressed <ul style="list-style-type: none"> Latency Testing

Alternative 3: MTC Streamline and Optimize

Alternative 3: MTC Streamline and Optimize



Alternative 3 summary

- **Productize** Core CIS/MDM integration using C2M
- **Move** complex ABS accounts to BCS platform
- **Migrate** all ABS mass market accounts to CC&B
- **Leverage** Service Order Management capability
- **Rebuild** head end integrations to SGG

Alternative 3: Streamline and Optimize Analysis

Alternative Description		
<ul style="list-style-type: none"> This alternative utilizes Oracle's C2M application to productize CIS and MDM architectural elements As with other alternatives, BCS is the foundation rating engine for complex C&I billing requirements A new head-end integration architecture using the C2M Smart Grid Gateway (SGG) unifies the interface to all meter head-end system 	<ul style="list-style-type: none"> C2M will serve as customer and usage system of record leveraged by other systems including CRM The migration of customer service capability to the Salesforce tool will be on-going and will require alignment of the data model The C2M Service Order Management capability will be leveraged to streamline meter issue resolution 	<ul style="list-style-type: none"> The architecture will drive to reduce integration points with the use of event driven publish/subscribe middleware
Assumptions		
<ul style="list-style-type: none"> C2M performance able to handle PG&E volumes No customer care, credit and collections functional change modifications (awaiting order implementation direction) CC2020 provides customer service functionality and insulates CSR from back end MTC system changes C2M impacts to systems external systems borne by external system owners Eliminates 90+% of existing customizations Process reengineering effort to significantly reduce exception volume 	<ul style="list-style-type: none"> Very significant technical debt reduction Consolidated system (availability of centralized data) Eliminate CC&B and L&G MDM latency Aligns with Oracle enterprise architecture and roadmap Reduction of operational maintenance cost Some consolidated feature benefits (self-healing) Reduction in necessary skill set breakdowns due to reduction in separate applications (improved optimization of assignment) Provides 'stepping-stone' to strategic partnership with Oracle. 	<ul style="list-style-type: none"> Additional C2M related change management (IT, billing ops and potentially field ops)
Cost and Schedule (+/- 30%)		
<ul style="list-style-type: none"> \$160M 30 months 	<p>Benefits</p> <p><u>Hard Benefits (same as Alternative 2 plus)</u></p> <ul style="list-style-type: none"> Further reduction in billing exception handling cost Reduced IT integration, support and maintenance cost Reduced future project time and cost (testing, ...) <p><u>Additional Benefits</u></p> <ul style="list-style-type: none"> Significant reduction in technical debt -> agility, speed Better strategic alignment with Oracle product roadmap 	<p>Risks</p> <ul style="list-style-type: none"> C2M is a relatively new product Ability to consume necessary change management Duplicate interval data between MDM and CIS – complexity of conversion Highest potential impact to CC2020 design

Alternative 3 shows far superior alignment to the guiding principles; all the other alternatives breach multiple key principles

Guiding Principle	Alternative 1: MTC Rate Renewal	Alternative 2: MTC Modernize and Optimize	Alternative 3: MTC Streamline and Optimize	Progression from 1, to 2, to 3
1. Customer/Employee Ease and Simplicity	L	M	H	Much more than just safety and compliance reqs.
2. Speed and Agility	M	M	H	Elimination of integration complexity and drag
3. Error-free Processing	L	M	H	True straight-through processing (without bots)
4. Eliminate Duplication	L	M	H	Rapid synchronization to authoritative sources
5. Optimize Data Quality and Retention	M	H	H	Data fixed at source; elimination of 'clutter'
6. Business and Customer Alignment	L	M	M	New capabilities is the norm, not the exception
7. Long-term Value and Risk	H	H	H	M2C platform remains fresh over time
8. Infrastructure Deployment	L	L	H	Environments available at the press of a button
9. Strategic Vendor Partnerships	M	M	H	True 'win : win' relationship - regular innovation
Overall alignment	Low	Medium	High	

In summary, alternative 3 is recommended based on all qualitative factors



PG&E METER TO CASH STRATEGY ACCENTURE REFRESH

JANUARY 18, 2022

BUILD ON THE MOMENTUM TO MAKE THE PIVOT

Pacific Gas and Electric (PG&E) Company continues to carry an estimated backlog of 3 years' worth of regulatory work that should be completed in 1 year to comply with CPUC and customer expectations for residential rate reform. The existing Oracle CC&B & L+G based meter to cash platform should be modernized by 2023/2024. This will streamline IT & business processes, reduce the effort and time to deploy continually evolving customer rates & programs, improve overall customer service, and sustain IT & billing operations efficiently. Considering PG&E's >18 years investment in Oracle Utilities (partnership, products, skills, and technologies) in meter to cash operations, this assessment finds it would be more practical for PG&E to pivot now to Oracle's cloud based C2M platform over other industry leading alternatives in order to make the pivot more quickly and mitigate PG&E's total relative effort and schedule to deploy the new solution to address urgent business operations' needs.



BACKGROUND

In 2018, Pacific Gas and Electric (PG&E) Company identified they had approximately 3 years' worth of regulatory work to complete in <1 year, due to CPUC demands for new progressive rates and increasing customer expectations. All investor-owned utilities (IOUs) and other regulated utilities in the state of California needed to respond to the impacts of the Residential Rate Reform order (R.12-06-013) and other passed legislation (AB 327).

In response to this rate reform order, PG&E's vision for the future of rate-making was to design rates to be as cost-based as possible. This sought to prepare PG&E to meet current expectations (e.g., Residential TOU default, flexibility in C&I TOU periods) and to respond to emerging business models, such as solar and wind distributed generation taken up by customers (prosumers) or aggregators. PG&E's Customer Information System (CIS) at the time, was an aging Oracle CC&B system developed with ~4200 customizations as reported by PG&E, and the Meter Data Management System (MDMS) ran on a functionally outdated Landis & Gyr (L+G) system. Applying changes to this environment was often complicated and costly. The inflexibility of the meter to cash architecture drove up operational business efforts and technical debt, as workarounds were employed to keep up with regulatory demands.

In 2018, PG&E worked with Accenture to develop a meter to cash solution strategy and roadmap responding to evolving demands and positions PG&E for the future. In the longer term, PG&E's corporate strategy at the time included the intent to pivot to cloud computing solutions. Interim solutions were expected to enable PG&E to perform regulatory mandated billing functions quickly in the near-term and would be integrated into the existing system landscape to continue "business-as-usual."

The results of the study in 2018 as follows:

Short Term: Replace L+G MDMS with Oracle Meter Data Management and Smart Meter Gateway System (best-in-suite for the existing CIS Oracle CC&B); re-architect rates & pivot to modular rates within Oracle CC&B and remove framing from CC&B; consolidate & simplify rating engines/pricing products to either Oracle or GridX and inform decision via a proof of value exercise; implement a staging tool (e.g., Meridien or other) to shorten the cycles of development and testing comparative validation of rates, accelerating the promotion of rates through the system; consolidate the Advanced Billing System into Oracle MDM noting a corresponding effort would be required to create the correct master data (virtualized non-smart bi-directional meters), such that certain customers currently residing in ABS can return to the meter to cash lifecycle. Data would flow between Oracle and MDM without circumvention to ABS and all the supplemental processes required to successfully bill in that system. It was also recommended for PG&E to adopt an agile methodology that gives directive and requires adherence.

Mid Term: Select and pivot to a fully integrated best-in-industry (Oracle or SAP) CIS cloud-first platform. Salesforce CRM would be expected to provide the call center platform. To determine whether to pivot to Oracle or SAP, PG&E must consider the integration with the enterprise (including a new MDM, Salesforce CRM and Digital/PGE.com), the outlook on PG&E's partnership with the technology partner and the value that partner can offer PG&E, company buying power, and TCO for the implementation and sustainment. This becomes increasingly important with the acceleration of changes and new models supporting distributed and decentralized energy.

DRAFT

FAST FORWARD TO TODAY

From December 21, 2021 to January 14, 2022, Accenture conducted a rapid refresh on the product considerations component of this work to assist PG&E in continuing their journey to modernize and simplify their meter to cash solution. This document seeks to support PG&E's decisions with a summary of the supporting data points and findings that informed Accenture's alignment with PG&E's product direction to make this critical, and necessary, change. Accenture analyzed publicly available information, company-specific context PG&E provided, and interviewed eight of PG&E's key business and IT stakeholders. The analysis was then reviewed to validate findings and conclusions with the meter to cash IT & core business team leaders.

DRAFT

A GROWING CASE FOR CHANGE

Identified in 2018, PG&E continually faces evolving customer and regulatory expectations. The CPUC and North America utility market demands technology and customer programs that meet the information and service needs of customers while supporting policy goals and progression towards distributed energy resources and increased customer choice. **This 2022 refresh confirms that the case for change identified in 2018 remains valid.**

The following specific challenges were identified in 2018 and remain prevalent today:

1. Compliance and Reliability Risk – PG&E needs an improved and sustainable means to proactively architect new and progressive rate structures along with billing services. These changes need to be operationalized quickly at scale to meet growing regulatory and market demands.
2. Economics – PG&E needs a meter to cash and back-office operations platform that can respond with reliability and cost efficiency to disruptors (e.g., Community Choice Aggregators (CCAs), grid defection, etc.) and opportunities (e.g., electrification, solar/renewables, etc.). This is critical for PG&E to continue attracting capital investment while recouping its operating costs as part of the revenue requirement through affordable rates.
3. Obsolescence– PG&E’s core billing system (Oracle CC&B) was implemented over 18 years ago and the meter data management system (Landis+Gyr MDMS) was implemented over 15 years ago. While upgrades have been performed, the pace of technology innovation requires companies to frequently ascertain obsolescence risk. Obsolescence risk can manifest itself in multiple ways, including lack of support from product vendors, lack of integration and interoperability with new technologies, and inability to attract or retain skilled resources due to competition for talent.

This refresh confirms the case for change priorities noted in 2018 remain valid.

Additionally, operational pain points, specifically the volume and complexity of exceptions, have amplified by a factor of “10X,” based on the experience shared by billing operations business stakeholders interviewed. The growing volume and complexity can be attributed to:

- The significant growth in the interval billed customer population
- meter failures (~200K non-communicating meters still in field, ~500K failed gas modules noted impacting billing starting in 2019), and
- external forces such as wildfire incidents, PSPS events, and third party/CCA scenarios.

This amplification is reflected in the current delayed bills backlog that is reported at ~49K bills delayed greater than 35 days. While significant business efforts (e.g., reallocation of office staff, continued business scripting to automate tasks, approved overtime, training over 110 new back-office associates in 2021, etc.) have been undertaken to address these exception increases, the operational energy to perform

and scale these efforts is not sustainable. Additionally, this amplification requires additional IT system customizations that should be addressed architecturally.

These pressures drive PG&E to build on its momentum to modernize and rearchitect its meter to cash landscape. Note: when PG&E decided to implement Oracle CIS (SPL at the time via acquisition) in the late 1990s/2000, SAP was evaluated and while its utilities platform was emerging, the company determined it did not yet have the utilities CIS functions that at that time would meet PG&E's needs.

KEY 2022 REFRESH FACTS & FINDINGS

To complete the refresh within the rapid timeframe requested, Accenture focused on the following key areas with a lens of "what's changed" to inform our assessment:

1 COMPLEX BILLING:

In 2018, approximately \$4 billion in revenue was billed through a custom legacy system known as the Advanced Billing System (ABS). Due to the custom, homegrown nature of ABS and limited resources available, changes could not be performed quickly to the system. The current Smart Metering and MDMS architecture was viewed as inflexible, leading to an increase in operational business efforts and an accumulation of technical debt collected over the years. As a result, numerous workarounds were developed to help the business keep up with regulatory and customer demands.

In Q4 of 2020, PG&E started the Billocity Project to move ABS functions for complex billing into Oracle BCS (with a target completion date of 2023). The underlying expectation was that the project's target architecture and strategy would be subsequently replaced with Oracle C2M. As such, this refreshed assessment factors in a migration to the Oracle C2M. The complex billing (rates) built in BCS can be ported into the C2M environment with relatively less effort than migrating them into SAP. The rate structures and technical skills acquired through implementing Oracle BCS can be utilized in the implementation of C2M, presenting an opportunity to drive down relative effort and increase relative productivity of the future CIS project team. Oracle BCS also utilizes the same Oracle utilities data model, simplifying upskilling and may avoid added skilling efforts.

Comparatively, to undertake a migration to SAP for Utilities, the complex billing (rates) built in Oracle BCS would need to be rebuilt in SAP, or an incremental effort would need to be factored in to enable an Oracle BCS integration with SAP. If integrating with BCS, multiple billing engines will need to be introduced into the production environment, which does not align with objective of simplifying architecture. To rebuild these complex rates in SAP, the build effort would have to be repeated in a complex area with direct impact to the business and integrated systems for heavy refactoring and testing activities.

Based on PG&E's decision to replace ABS with Oracle BCS (a decision that was governed by due diligence involving PG&E's evaluation of 7 product options

including SAP), transitioning to the SAP platform from an Oracle BCS + CC&B solution would be unlikely to provide net gains for PG&E specific to implement the function of complex billing.

2 COMMUNITY CHOICE AGGREGATORS (CCA) & OTHER CUSTOMER PROGRAMS

PG&E's Rates & Regulatory business unit projected that the number and complexity of rate schedules would continue to grow and at an increased pace. This growth is required to support the various goals set by the CPUC in the interests of promoting customer choice (e.g., facilitating CCA rate-ready and bill-ready options and CCA rate comparisons), welfare (e.g., California Alternate Rates for Energy/CARE and Family Electric Rate Assistance/FERA), and sustainability (e.g., adoption of zero emission vehicles, adoption of renewables through improvements of interconnection and net energy metering rates and programs).

This projection was supported by recent CPUC decisions such as Public Utilities Code Section 739.1, and approval of PG&E Electric Rules: Rule 18, Rule 21, Rule 23 (CCA). Given the number of policy requirements and rate riders, the number of rate schedule permutations could advance into the thousands within the next 2 to 3 years. This projection was consistent with the market behaviors Accenture observes in other jurisdictions outside of California; this is particularly true for competitive energy markets such as in Texas, Australia, and the United Kingdom and markets facing distributed energy resource disruption such as Hawaii and New York.

In 2018, PG&E was only able (i.e., due to existing systems architecture, tools, and institutionalized governance processes) to deliver a maximum of 3 to 4 rate schedule changes concurrently at an estimated cost reported at that time of ~\$750K to \$1.5M per rate over the deployment timeframe of 9 to 12 months. As such, it was a logical conclusion to seek a remedy through systemic and infrastructure changes as the projected costs to achieve the Rate Reform Vision would be prohibitive without such changes.

In 2022, it is confirmed that these projections were found to be valid and California IOUs, including PG&E, definitively experienced a growing customer adoption and uptake of third party CCAs. The following key changes to CCA expectations occurred that have impact on PG&E's current day solution:

- When the rate schedule Time of Use (TOU) period alignment no longer exists between PG&E and CCAs for bill-ready CCA sites, the interval data will need to be sent instead of aggregated usage. This functionality exists in the current environment, however; the system as reported by PG&E cannot handle the volume (due to performance issues).
- While 2-3 larger counties have filed, increased CCA transitions are expected in 2024 and beyond. This momentum will continue to impact the volume of data that needs to be edited by the business. The majority of solar (Net Energy

Metering/NEM) customers are already with a third party, resulting in 2x the data to edit per customer.

- Given the potential increase in data exchanges, an updated platform and other options of exposing data is needed to meet CCA data expectations.

Both SAP and Oracle C2M have specific modules to manage deregulation needs. SAP has since been deployed to support CCA specific scenarios at two other California IOUs (SCE and SDG&E) which could provide a benefit for PG&E to adopt SAP to gain from the product enhancements and implementation experience from those utilities.

There is a potential gain to use SAP to address CCA-specific requirements as these scenarios have been implemented for these two peer utilities into production. However, the order of magnitude of this potential gain to leverage lessons learned and reusable SAP components built and deployed to address these requirements does not appear to be so great as to warrant a change in course assuming Oracle continues to stay invested in maintaining and evolving their deregulation module to support PG&E and other deregulated markets (e.g., PJM where Exelon & ConEdison operate).

3 RATE ENGINE CONSOLIDATION

PG&E has completed a degree of rate engine consolidation activities since 2018 into GridX as the primary third-party rate engine provider. A continued assessment of rate engine consolidation into a single platform is highly recommended to reduce the inconsistency and number of impacted systems with the introduction of new tariffs and periodic pricing shifts (e.g., recent inaccurate bill forecast due to third party update error).

One Southern California utility company has recently consolidated all rate engines (e.g., digital, mass, residential/commercial) into a single SAP platform.

While rate engines and pricing product requirements are a critical component of the meter to cash landscape, especially considering its customer-facing experience impact, there does not appear to be any anticipated material benefit for PG&E to adopt Oracle compared to SAP (or SAP compared to Oracle) considering the company's rate engine / pricing product solutions in place. Both SAP and Oracle would require integration with GridX and there are no identified pre-built integrations between GridX with SAP nor Oracle.

4 LANDIS+GYR MDM UPGRADE

Consistent with findings from 2018, the existing L+G system continues to be insufficient for operations. The tool negatively impacts the back office due to lack of data synchronization and limitations of retroactive transactions.

The recommended action from 2018 was to replace the L+G MDM with Oracle MDM. As part of the refresh in 2022, we maintain the recommendation, which is further

supported by the PG&E's decision to move from ABS to Oracle BCS. Our analysis prioritized solving the significant issues with integration that are experienced by the business. A key anticipated business benefit with a fully integrated MDMS and CIS platform is the enablement to perform real-time billing adjustments more simply.

PG&E has planned an L&G technical upgrade for 2022; this initiative should not change the recommendation. Note: effort, cost, or risks to re-implement the MDMS itself at PG&E were not considered in this refresh considering head end systems refactoring and field system changes (these are treated as relatively equivalent in answering the question of considering a pivot to SAP vs Oracle CIS).

5 VIABLE & SUSTAINABLE TECHNOLOGIES

A key driver to modernize the meter to cash platform is to address technology obsolescence risk. Technologies and skillsets in the current ecosystem of meter to cash systems (specifically the Advanced Billing System/ABS and COBOL interfaces) are difficult to find in the current market or require significant ramp up time to become productive. PG&E must be mindful of the highly competitive market for technology skills and talent in its Northern California market and proximity to high-tech, advanced innovation, and emerging technology companies.

PG&E has demonstrated investment in technology innovation (e.g., stand up of Grid Integration & Innovation and the Vanguard Architecture teams), but is still at risk of not meeting regulatory and customer expectations that rely on meter to cash technology-enabled capabilities to provide:

- Business flexibility needed, or soon to be needed (e.g., automated exception resolution, etc.)
- Relief from on-premise hardware and data storage costs (e.g., opportunity to realize greater benefits from PG&E's enterprise journey to cloud strategy; while SFDC is used for workflow management in billing operations, PG&E still runs all core meter to cash systems on-premise in its own data centers)
- Readiness to utilize data from sensory or "beyond the meter" devices (internet of things (IoT))
- Solution flexibility and ability to leverage trusted third-party services.

SAP and Oracle remain the two most viable technology product providers for PG&E's CIS needs. Given the in-flight migration of ABS to BCS, there would be expected a relative incremental effort to migrate the complex billing functions into SAP compared to Oracle. The effort to up-skill PG&E business and technology staff on SAP is also expected to be relatively higher.

It is relevant to note that three large investor owner utilities operating in California have replaced their legacy billing solutions with SAP in 2021 (these are SCE, SDG&E, and Southwest Gas/SWG). Previous experience has indicated that jurisdictional requirements stemming from multiple utilities (power in numbers) have a

significantly higher ability to influence software roadmap (time to market and functionality).

That said, there are no major Oracle product gaps identified in the Oracle C2M to meet known California requirements in the functional areas assessed that would constitute a ‘fatal flaw’ requiring a cost-prohibitive or non-sustainable degree of customization that would offset the value case of selecting Oracle C2M given PG&E’s current, and in progress to deploy, meter to cash landscape. With Oracle C2M, it would be strongly recommended for PG&E to collaborate with peer utilities (e.g., Exelon, Southern Company, ConEdison, and BHE) that are operating, or plan to operate, meter to cash operations on Oracle.

6 OPERATIONAL IMPACTS

As PG&E has experienced, the levers to reduce the operating cost of an aging system dissipate over time when customizations (of which PG&E has ~4200 within its current-day CC&B platform) deviate from the software provider’s release roadmaps, coupled with investing in newer platform architectures for ancillary solutions that require custom integration (e.g., Salesforce for billing case / exception workflow management). Adoption of manual processes and stop gap scripting become more common in the business and the cost to maintain and support these business workarounds are not reflected in the true system maintenance cost.

A lack of configurable, self-service capabilities drives significant dependence on IT for business rule and configuration value changes creating unnecessary lags in deploying changes (e.g., rate changes). There are numerous manually intensive workarounds in place that could be replaced through systems, data, and process improvements. Certain rates, such as Residential Time of Use (TOU) and Net Energy Metering, while technically in place within Oracle CC&B or ABS, were reported by PG&E business users to require manual work effort to operationalize end to end; this is particularly true when the customer is also enrolled with an Energy Service Provider (i.e., CCA). The volume of these manual work items is expected to grow as the volume of CCA and NEM customers grows.

The increase in the CCA population since 2018 has increased back-office exception volumes with time-consuming corrections spanning multiple systems and groups. A consolidated billing platform with intrinsic workflow/exceptions capabilities will streamline data access and ease Average Handle Time/AHT for corrections. As part of the 2022 stakeholder interviews, it was also confirmed that the introduction of NEM 3.0 (Net Billing Tariff – NBT) is to be partially implemented in CC&B (pending CPUC approval) which could drive up more manual workarounds and exception volumes.

These findings further validate that PG&E needs to invest now in a meter to cash platform modernization to enable timely turnaround of rate-related regulatory requirements.

In conclusion, PG&E should continue its momentum to pivot to a modernized CIS to address the operational pain points reported. The pain points identified in 2018 continue to be valid and grow in impact on the business. By staying the course with Oracle, and relying on Oracle's commitment to PG&E (as shared by PG&E) to continue investing in its utilities products, this approach should offer the following benefits for PG&E:

- mitigate schedule risk by not delaying the project start
- accelerate the timeline to implement the modernized platform by enabling PG&E to leverage rate structures and data models that PG&E has already designed and built for Oracle
- higher adoption rate and lower need for re-skilling among PG&E's IT and Business operators and support teams.

DRAFT

2022 UPDATE

The pace of technology in the industry is increasingly challenging for utilities to maintain. As such, there is a great opportunity for PG&E to strategically work with selective partners who will help PG&E implement and manage its selected target solution roadmap.

To address the growing operational pain points and core architectural constraints experienced in today's environment, PG&E should build on its momentum to re-platform its meter to cash solution. Given PG&E's investment in Oracle skills and technologies over the last 18 years and most recently, by beginning the migration of the Advanced Billing System (ABS) into Oracle Billing Cloud Services (BCS), the comparative effort (and potentially schedule) to implement an SAP for Utilities CIS net new is unlikely to be practical compared to implementing Oracle C2M (including effort and duration likely required to upskill/reskill PG&E IT and business team members).

This reflection relies on a fundamental premise that Oracle's commitment to PG&E (as shared by PG&E) to continue investing in its Utilities products will be honored by the product company. Note that this exercise did not consider any non-labor factors such as licensing cost or agreements, access rights to shared intellectual property/IP, or any other such considerations such as ease of doing business with either SAP or Oracle.

While there is a potential gain to use SAP to address several California-specific requirements (e.g., CCA and NEM scenarios), the order of magnitude of that gain compared to the relative implementation effort for PG&E is unlikely to be so great as to justify a change in course – assuming Oracle continues to stay invested in maintaining and evolving their deregulation module to support PG&E and other deregulated markets. Should PG&E select Oracle C2M, it is recommended for PG&E to collaborate with peer utilities (e.g., Exelon, Southern Company, ConEdison, and BHE) that are operating, or plan to operate, meter to cash operations on Oracle to combine and strengthen its product roadmap influence and reduce company-specific customizations.

Regardless of the technology product selected, Accenture recommends for PG&E to establish business process KPIs and metrics to measure future efficiency opportunities and achievement success.



Accenture Meter to Cash Strategy Refresh

January 18, 2022

Executive Summary

In 2018, Accenture partnered with PG&E and identified a case for change in PG&E's meter-to-cash landscape to address systemic and infrastructure challenges. The goal of this study was to efficiently meet the complex requirements of customer programs, digital and emerging technology adoption, and progressive rate design. A quick refresh of the study was requested in January 2022.

Our refresh analysis confirms the original case for change remains valid.

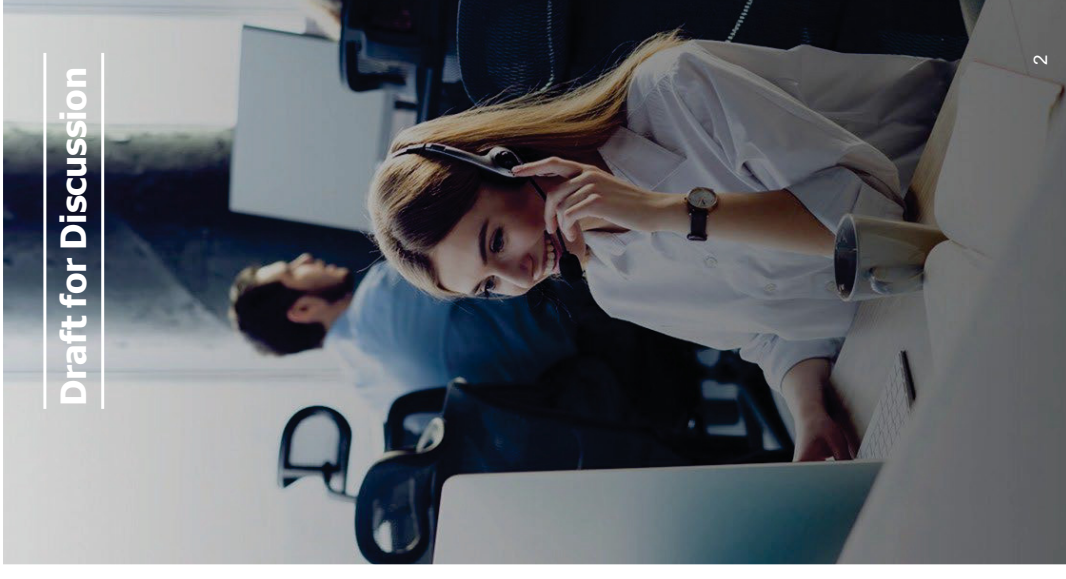
Considering the in-flight project to implement Oracle BCS (Billing Cloud Service), proceeding with an Oracle C2M (Customer to Meter) implementation aligns with PG&E's priorities:

- **Product capability:** Oracle C2M functionalities are in line with that of SAP for PG&E's requirements
- **MDMS landscape:** Oracle C2M provides a native MDM capability for billing system, which addresses some of the latency in meter data and TOU related challenges. This helps the transition out of PG&E's current L+G MDMS
- **Economic value:** Implementation of Oracle C2M enables PG&E to leverage historical investments in Oracle over the last 15+ years

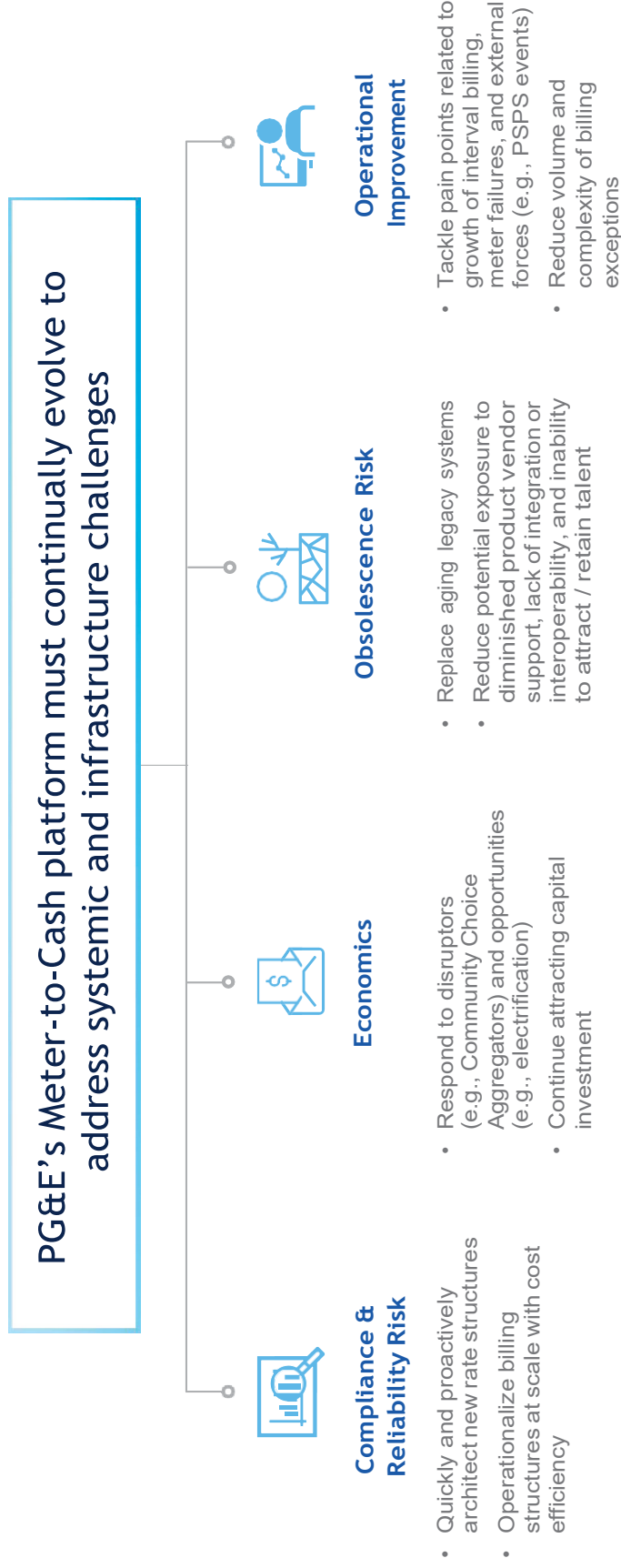
Maintaining momentum to complete this implementation is critical to PG&E achieving operational improvements and corresponding customer benefits

- Amplification of operational pain points around exceptions in volume and complexity will continue to increase significantly in the next 2-3 years

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A Growing Case for Change



Notable Changes since 2018 Assessment

Draft for Discussion



Complex Billing Oracle Transition

PG&E has begun shifting from Advanced Billing System (ABS) to Oracle BCS/Cloud Services



Salesforce Deployment

PG&E continues progressing towards deploying Salesforce for call center enablement



Rate Engine Consolidation

Pricing products / rating engines have been further consolidated



MDMS Upgrade





PG&E is performing a technical upgrade of its Landis+Gyr Meter Data Management System (MDMS)

Platform Functionality

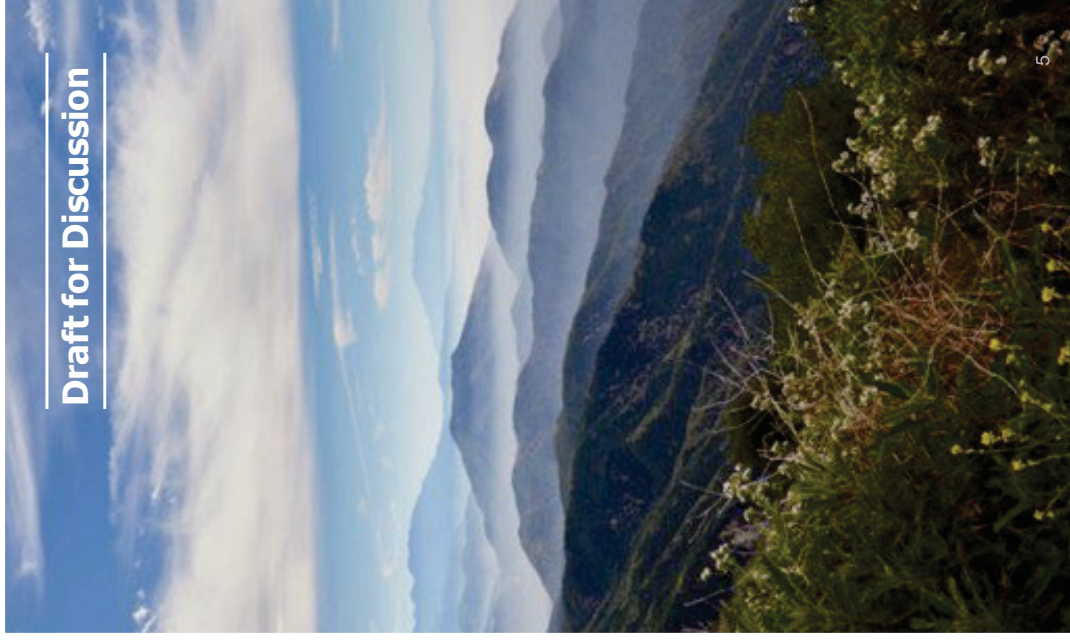
Product enhancement / development will be required to fully meet end-to-end business requirements on both Oracle C2M and SAP for Utilities. Continuing with Oracle will enable PG&E to leverage its years of investment and employee skills in Oracle-based technologies.

There are no major Oracle product gaps identified in the Oracle C2M to meet known California requirements that would constitute a “fatal flaw.” It does not require a cost-prohibitive or non-sustainable degree of customization that would offset the value case of making the pivot to Oracle.

Areas of review as follows:

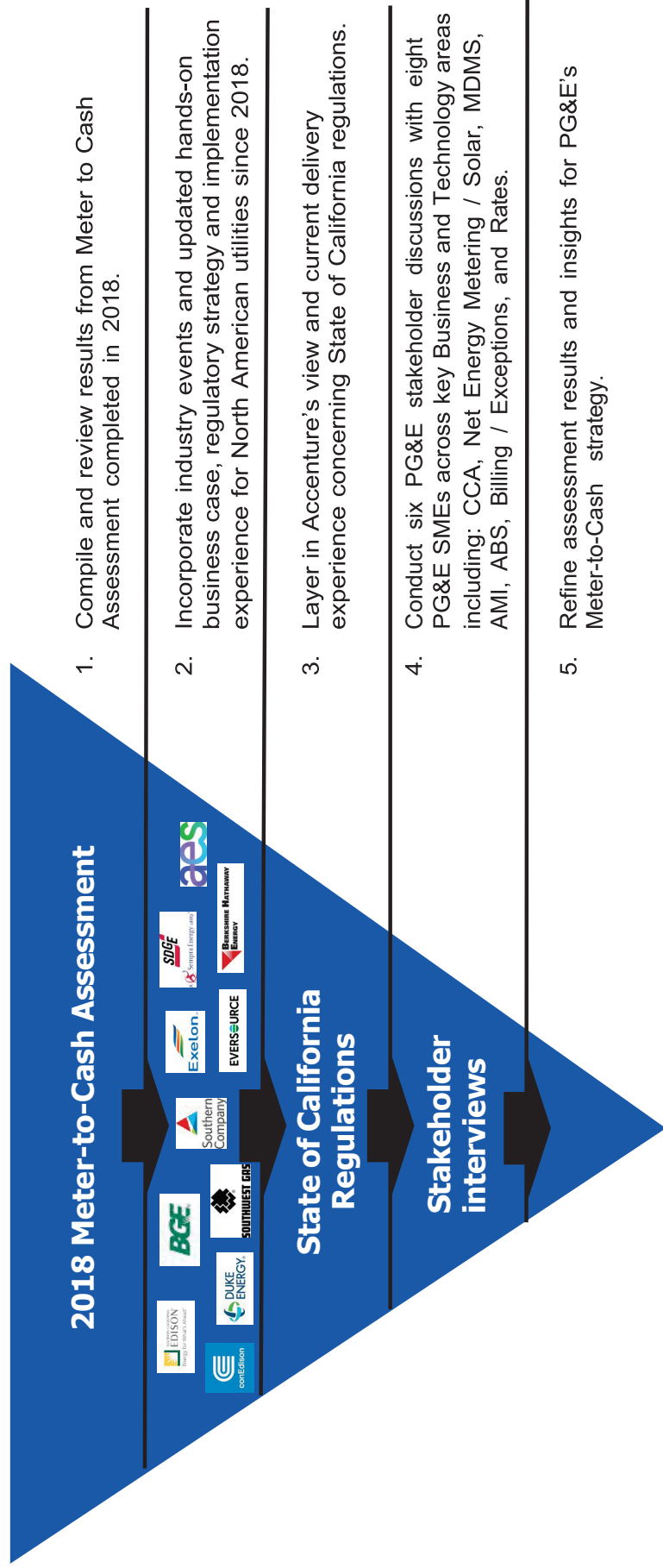
	California Rates (as identified today by the CPUC)		Exceptions Management
	Complex Billing		Rate Comparison

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Assessment Approach – 2022 Refresh

Draft for Discussion



Updated 2022 Meter-to-Cash Assessment

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6

Key Assessment Discussions: Topics and Stakeholders

Discussion Topic	PG&E IT / Business Stakeholders	Date
Net Energy Metering/Solar (Billing and Rates Structure)	Teresa Lau, Henry Vuong, and Jenna Olsen	January 4 th
Billing & Exceptions Operations (including automation for resolution)	Michele Dionne, Teresa Lau, Jenna Olson, Ryan Mullikin, and Khoua Moua	January 4 th
MDMS, Head End Systems Integration, & AMI/Next Gen Meters	Michele Dionne, Teresa Lau, Ryan Mullikin, and Douglas Mayne	January 5 th
Rates, Rate Engines, and Pricing Products	Henry Vuong, Jenna Olsen, and Michele Dionne	January 6 th
ABS Solution in Oracle BCS	Bernie Jochum	January 6 th
CCA (Community Choice Aggregation)	Khoua Moua, Michele Dionne, and Henry Vuong	January 6 th
Review Session	Rajesh Arora, Kellie Reem, and Michele Dionne	January 13 th

Deep Dive: Capability Comparative

Draft for Discussion

We further compared the capability of each product against PG&E's priority areas to ascertain whether a 'fatal flaw' or cost-prohibitive customization would be required in either product to meet PG&E's more complex requirements. This comparative is done based on the generally market available and field-tested versions of SAP and Oracle CIS products (as of December 2021) based on Accenture's recent implementation experience.

Conclusion: Neither product presents with a 'fatal flaw' or cost prohibitive need for customization based on this assessment to meet PG&E's identified needs.

Product Capability Comparison

Technology/Platforms	Market Transactions (CCA, DA, CTA)	Rate Engine (Time Varying Rates, Rate Compare)	Complex Billing Scenarios Flexibility	NEM 2.0/3.0	Exceptions Management	Open API Integration (with SFDC, customer channels, data hub)	Integration with Oracle MDM	Cloud Readiness and SaaS Maturity	Peer to Peer Architecture Enablement
SAP S/4HANA, can run on cloud	SAP MPM – Robust framework with utility-controlled localization. California specific needs Implemented at 2 large California utilities 2018	SAP EDM and ISU – mature in industry, built in rate comparison function.	California-specific billing requirements implemented recently at multiple California utilities	NEM 2.0 implemented at multiple California utilities. NEM 3.0 requirements under assessment; expected to be deployed per CPUC schedule by utility	Standard framework in place/certified bolt-on with incremental efficiency. Proven usage at multiple utilities	SAP MCF. open APIs tested with SFDC	Standard adapters/ integration services in place with multiple MDM providers	SAP Cloud Platform not recognized yet on Gartner, but has success with SaaS delivery in other areas of PG&E	SAP Leonardo investments
Oracle C2M, can run on cloud	Oracle MTM – field tested but requires some customization	New rate engine and architecture aligned with the industry. 2018			Introduction of To-do dashboard capabilities provides capabilities to drive work force and efficiency 2018	OUCSS, APIs tested with SFDC	MDM is natively integrated in C2M. This delivers functions and exceptions management	Oracle's CCS (SaaS) is available and in production. utilities (>500 K customers) are yet to adopt at time of assessment	TBD

Robust functionality, minimal customization

Good functionality, some customization

Low functionality, high degree of customization

2018 Original functionality risk tagging in 2018 assessment (if different)

Technology Product Considerations

The two tipping point factors for PG&E will be **economics and confidence in the vendor partnership**. Economics are informed by PG&E's desire to lean-in on its Oracle investments (e.g., skills, assets). Accenture recommends PG&E monitor the market actively as it develops its next-gen CIS business case (e.g., monitor results achieved by SCE, SDG&E, SWG and Exelon and progress by Southern, BHE, Xcel, NextEra, Eversource; actual delivery by the vendors on their product roadmaps; evolution of market entrants; investments made by vendor eco-systems).

[Draft for Discussion](#)

Technology Product Comparison

Technology Platforms	General Product Capability	Availability of PG&E Skills (Learning Curve)	Schedule to Implement	Economics – Labor Cost to Implement*	Economics – Non-Labor Cost to Implement*	Interoperability with PG&E's Enterprise Systems	Vendor Maturity – Cloud and SaaS Delivery Model	Vendor Roadmap	Vendor Partnership* Confidence Commitment
SAP S/4HANA		Significant re-skilling and upskilling required for all users	Slis with SAP California implementation experience will greatly reduce time to market. 3 large deployments in 2021; availability of skilled and relevant resources in market 2018	Economics may vary based on standard product development as SCE and SDG&E progress.	Not assessed.	APIs are open to interoperate with cloud CRM platforms. SAP-centric ERP assumed, including straight-forward integration to SAP GL.	Proven capability at PG&E through SuccessFactors Fieldglass and Ariba. New SAP RISE offering provides cloud options for customers.		To be scored by PG&E
Oracle C2M			Reusability of the data model and existing configurations in BCS can be migrated to C2M. This reduces significantly the implementation schedule and risk	Potential for productivity-driven and asset re-use savings if PG&E invests in Oracle skills improvements	Product licensing and HW or cloud subscription costs highly variable depending on enterprise deal shape.	Assumes Oracle will offer open APIs to interoperate with CDP and SHDC.	Roadmap for C2M cloud is to provide full CC&B functionality on the cloud. Goal is to run as a SaaS, which means PG&E IT cannot make discretionary changes.		To be scored by PG&E
Robust functionality, minimal customization		Good functionality, some customization	Low functionality, high degree of customization	Original functionality risk tagging in 2018 assessment (if different)					

WORKPAPERS SUPPORTING CHAPTER 5

PACIFIC GAS AND ELECTRIC COMPANY
BILLING MODERNIZATION INITIATIVE
WORKPAPERS SUPPORTING CHAPTER 5 – BILLING MODERNIZATION INITIATIVE
IMPLEMENTATION

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LEGACY ABS AND CC&B 2.4 FORECAST STRANDED COST ANALYSIS, 5 YEAR AVERAGE SERVICE LIFE SOFTWARE ACCOUNT	WP 5-3	Matthew Hedges
LEGACY ABS AND CC&B 2.4 FORECAST STRANDED COST ANALYSIS, 13 YEAR AVERAGE SERVICE LIFE SOFTWARE ACCOUNT	WP 5-4	Matthew Hedges

Billing Modernization Initiative Application									
Workpapers Supporting Chapter 5, Billing Modernization Initiative Implementation									
WP 5-1, BCS Upgrade Forecast Stranded Cost Analysis									
Vintage	Capital Additions ¹	Year End Cumulative Plant	CMP30302 Depreciation Rate*	Operative Month in Year ²	Depreciation Expense	Year End Accumulated Depreciation	Year End Net Book Value	% of Software not being used by C2M ³	Forecast Stranded Costs
	(a)	(b)	(c)	(d)	(e)=(b)*(c)*(d)/12	(f)	(g)=(b)-(f)	(h)	(i)=(g)*(h)
2025	124,624,791	124,624,791	17.19%	5	8,926,251	8,926,251	115,698,540		
2026		124,624,791	17.19%	12	21,423,002	30,349,252	94,275,539		
2027		124,624,791	17.19%	12	21,423,002	51,772,254	72,852,537		
2028		124,624,791	17.19%	12	21,423,002	73,195,255	51,429,536		
2029		124,624,791	17.19%	12	21,423,002	94,618,257	30,006,534	40%	12,002,614
* Depreciation rate authorized per GRC 2023 D. 23-11-069									
Source:									
1. Billing Modernization Initiative, Prepared Testimony, Chapter 5 - Billing Modernization Initiative Implementation, Section E.1									
2. Billing Modernization Initiative, Prepared Testimony, Chapter 7 - Results of Operations, Table 7-2.									
3. The BCS project is implementing two major types of code - rate calculation and interfaces. During the C2M implementation, the project will leverage the rate calculation development. The interfaces will not be used. The project estimates that 60% of the effort is used for rate calculation development.									

Billing Modernization Initiative Application									
Workpapers Supporting Chapter 5, Billing Modernization Initiative Implementation									
WP 5-2, CC&B (25.1) Forecast Stranded Cost Analysis									
Vintage	Capital Additions ¹	Year End Cumulative Plant	CMP30302 Depreciation Rate*	Operative Month in Year ²	Depreciation Expense	Year End Accumulated Depreciation	Year End Net Book Value	% of Software not being used by C2M ^{3,4}	Forecast Stranded Costs
	(a)	(b)	(c)	(d)	(e)=(b)*(c)*(d)/12	(f)	(g)=(b)-(f)	(h)	(i)=(g)*(h)
2026	98,825,660	98,825,660	17.19%	3	4,247,033	4,247,033	94,578,627		
2027		98,825,660	17.19%	12	16,988,131	21,235,164	77,590,496		
2028		98,825,660	17.19%	12	16,988,131	38,223,295	60,602,365		
2029		98,825,660	17.19%	12	16,988,131	55,211,426	43,614,234	25%	10,903,559
Vintage	Capital Additions ¹	Year End Cumulative Plant	CMP30304 Depreciation Rate*	Operative Month in Year ²	Depreciation Expense	Year End Accumulated Depreciation	Year End Net Book Value	% of Software not being used by C2M ^{3,5}	Forecast Stranded Costs
	(a)	(b)	(c)	(d)	(e)=(b)*(c)*(d)/12	(f)	(g)=(b)-(f)	(h)	(i)=(g)*(h)
2026	10,980,629	10,980,629	10.05%	3	275,888	275,888	10,704,741		
2027		10,980,629	10.05%	12	1,103,553	1,379,442	9,601,187		
2028		10,980,629	10.05%	12	1,103,553	2,482,995	8,497,634		
2029		10,980,629	10.05%	12	1,103,553	3,586,548	7,394,081	0%	-
Vintage	Capital Additions ¹	Year End Cumulative Plant	CMP39101 Depreciation Rate*	Operative Month in Year ²	Depreciation Expense	Year End Accumulated Depreciation	Year End Net Book Value	% of Software not being used by C2M ^{3,6}	Forecast Stranded Costs
	(a)	(b)	(c)	(d)	(e)=(b)*(c)*(d)/12	(f)	(g)=(b)-(f)	(h)	(i)=(g)*(h)
2026	4,480,000	4,480,000	24.87%	3	278,544	278,544	4,201,456		
2027		4,480,000	24.87%	12	1,114,176	1,392,720	3,087,280		
2028		4,480,000	24.87%	12	1,114,176	2,506,896	1,973,104		
2029		4,480,000	24.87%	12	1,114,176	3,621,072	858,928	0%	-
*Depreciation rate authorized per GRC 2023 D. 23-11-069									
Source: 1. Billing Modernization Initiative, Prepared Testimony, Chapter 5 - Billing Modernization Initiative Implementation, Section E.2. The total capitalized projected cost per the testimony is \$118.9 million, however \$4.7 million went operative in 2024 and will be fully depreciated in 2029 and thus is not included as part of this analysis. 2. Billing Modernization Initiative, Prepared Testimony, Chapter 7 - Results of Operations, Table 7-2. Notes: 3. The CC&B project will be upgrading existing functionality to a new version. This includes CC&B data, configurations, extensions, and customizations. 4. When PG&E implements C2M, the system will reuse the data, configurations, and extensions, and minimize the number of extensions. We estimate 75% of the work will be related to the configurations, extensions, and data upgrade. 5. When PG&E implements C2M, the system will reuse the data, configurations, and extensions, and minimize the number of extensions. We estimate 100% of the work will be related to the configurations, extensions, and data upgrade. 6. When PG&E implements C2M, the system will reuse the data, configurations, and extensions, and minimize the number of extensions. We estimate 100% of the work will be related to the configurations, extensions, and data upgrade.									

Billing Modernization Initiative Application						
Workpapers Supporting Chapter 5, Billing Modernization Initiative Implementation						
WP 5-3, Legacy ABS and CC&B 2.4 Forecast Stranded Cost Analysis, 5 Year Average Service Life Software Account						
Vintage	CMP30302 Legacy Capital Additions	CMP30302 Vintage Retirement	CMP30302 Year End Cumulative Plant	Average Service Life ¹	Year Vintage Retired ²	
	(a)	(b)	(c)	(d)	(e)	
2020	15,469,244		15,469,244	5	2025	
2021	12,506,068		27,975,312	5	2026	
2022	6,389,017		34,364,329	5	2027	
2023	7,469,399		41,833,728	5	2028	
2024	13,504,169		55,337,897	5	2029	
2025		15,469,244	39,868,654			
2026		12,506,068	27,362,585			
2027		6,389,017	20,973,568			
2028		7,469,399	13,504,169			
2029		13,504,169	-			
Source: PG&E's PowerPlan fixed asset system.						
Notes:						
1. Depreciation average service life authorized per GRC 2023 D. 23-11-069.						
2. Assets will be fully retired before the end of 2029; no stranded costs.						

Billing Modernization Initiative Application									
Workpapers Supporting Chapter 5, Billing Modernization Initiative Implementation									
WP 5-4, Legacy ABS and CC&B 2.4 Forecast Stranded Cost Analysis, 13 Year Average Service Life Software Account									
Vintage	CMP30304 Legacy Capital Additions	CMP30304 Vintage Retirement	CMP30304 Year End Cumulative Plant	CMP30304 Depreciation Rate ¹	Current Year Additions Operative Month in Year ²	Current Year Additions Depreciation Expense	Prior Year Additions Depreciation Expense	Year End Accumulated Depreciation	Year End Net Book Value ³
	(a)	(b)	(c)	(d)	(e)	(f)=(c)*(d)*(e)/12	(g)=(c)*(d)	(h)=(f)+(g)	(i)=(c)-(h)
2010	413,201		413,201	6.67%	6	13,780		13,780	399,421
2011	39,723,679		40,136,880	6.59%	6	1,308,895	27,230	1,349,905	38,786,974
2012	2,440,115		42,576,995	6.59%	6	80,402	2,645,020	4,075,328	38,501,668
2013	17,661,556		60,238,552	6.59%	6	581,948	2,805,824	7,463,100	52,775,452
2014	963		60,239,515	6.58%	6	32	3,963,697	11,426,828	48,812,686
2015	274,399		60,513,914	6.58%	6	9,028	3,963,760	15,399,616	45,114,298
2016			60,513,914	6.58%	6	-	3,981,816	19,381,432	41,132,482
2017	16,612,723		77,126,636	6.61%	6	549,050	3,999,970	23,930,452	53,196,184
2018			77,126,636	6.61%	6	-	5,098,071	29,028,522	48,098,114
2019	146,141		77,272,777	6.61%	6	4,830	5,098,071	34,131,423	43,141,354
2020	18		77,272,795	9.01%	6	1	6,962,277	41,093,701	36,179,094
2021	1,449,455		78,722,250	9.01%	6	65,298	6,962,279	48,121,278	30,600,973
2022			78,722,250	9.01%			7,092,875	55,214,153	23,508,098
2023		413,201	78,309,049	10.05%			7,890,823	62,691,774	15,617,275
2024		39,723,679	38,585,371	10.05%			5,873,945	28,842,040	9,743,330
2025		2,440,115	36,145,255	10.05%			3,755,214	30,157,139	5,988,117
2026		17,661,556	18,483,699	10.05%			2,745,105	15,240,687	3,243,012
2027		963	18,482,736	10.05%			1,857,563	17,097,288	1,385,448
2028		274,399	18,208,337	10.05%			1,843,726	18,666,615	(458,278)
2029		-	18,208,337	10.05%			1,829,938	20,496,553	(2,288,216)
2030		16,612,723	1,595,614	10.05%			995,149	4,878,979	(3,283,365)
2031		-	1,595,614	10.05%			160,359	5,039,338	(3,443,724)
2032		146,141	1,449,474	10.05%			153,016	5,046,213	(3,596,739)
2033		18	1,449,455	10.05%			145,671	5,191,866	(3,742,411)
2034		1,449,455	-	10.05%			72,835	3,815,246	(3,815,246)
Source: PG&E's PowerPlan fixed asset system.									
Notes:									
1. Depreciation rates as authorized in prior GRCs (2007 through 2023 GRCs). Years 2027-2034 use 2023 GRC authorized depreciation rates.									
2. Analysis assumes mid-year asset additions.									
3. Vintages installed through 2016 are forecast to be vintage retired by 2029. The remaining assets have a negative net book value and no forecast stranded costs at the end of 2029.									
4. Depreciation average service life authorized per GRC 2023 D. 23-11-069.									

WORKPAPERS SUPPORTING CHAPTER 6

PACIFIC GAS AND ELECTRIC COMPANY
BILLING MODERNIZATION INITIATIVE
WORKPAPERS SUPPORTING CHAPTER 6 – DESCRIPTION OF COST BENEFIT
ANALYSIS

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COST-BENEFIT ANALYSIS WORKPAPER	WP 6-200	Matt Briel

Table 6-2

Benefits Category	BCS	CC&B 25.1	C2M	Total	Total WACC Discounted Benefits
B.1	\$ 3,931,565	\$ 3,437,333	\$ 178,271,174	\$ 185,640,073	\$ 72,983,070
B.2	\$ -	\$ -	\$ 14,677,406	\$ 14,677,406	\$ 5,580,928
B.3	\$ -	\$ -	\$ 5,281,175	\$ 5,281,175	\$ 2,026,933
B.4	\$ -	\$ -	\$ 6,335,212	\$ 6,335,212	\$ 2,403,440
Total Business Benefits	\$ 3,931,565	\$ 3,437,333	\$ 204,564,967	\$ 211,933,866	\$ 82,994,371

Table 6-3

Benefits Category	BCS Benefits	CC&B 25.1 Benefits	C2M Benefits	Total Nominal Benefits	Total WACC Discounted Benefits
IT.1	\$ -	\$ -	\$ 206,717,359	\$ 206,717,359	\$ 79,338,819
IT.2	\$ -	\$ -	\$ 2,784,120	\$ 2,784,120	\$ 1,068,555
IT.3	\$ -	\$ -	\$ 10,888,206	\$ 10,888,206	\$ 5,756,802
IT.4	\$ -	\$ -	\$ 55,023,876	\$ 55,023,876	\$ 20,908,408
IT.5	\$ -	\$ -	\$ 93,800,205	\$ 93,800,205	\$ 36,000,835
IT.6	\$ -	\$ 179,416	\$ 910,732	\$ 1,090,148	\$ 474,603
IT.7	\$ -	\$ -	\$ 6,240,917	\$ 6,240,917	\$ 2,502,119
IT.8	\$ -	\$ 1,100,885	\$ 6,777,018	\$ 7,877,903	\$ 3,362,451
Total IT Benefits	\$ -	\$ 1,280,301	\$ 383,142,435	\$ 384,422,736	\$ 149,412,592

Table 6-4

Benefits Category	BCS Benefits	CC&B 25.1 Benefits	C2M Benefits	Total Nominal Benefits	Total WACC Discounted Benefits
Total Business Benefits	\$ 3,931,565	\$ 3,437,333	\$ 204,564,967	\$ 211,933,866	\$ 82,994,371
Total IT Benefits	\$ -	\$ 1,280,301	\$ 383,142,435	\$ 384,422,736	\$ 149,412,592
Total Benefits	\$ 3,931,565	\$ 4,717,634	\$ 587,707,402	\$ 596,356,602	\$ 232,406,963

Table 6-15

	Billing Modernization	BCS	CC&B 25.1	C2M
Total Nominal Project Capital Costs	\$ 584,486,400	\$ 116,724,791	\$ 91,172,118	\$ 376,589,491
Total Nominal Project Expense Costs	\$ 92,045,855	\$ 3,400,000	\$ 8,533,711	\$ 80,112,144
Nominal Project Contingency	\$ 84,720,000	\$ 7,900,000	\$ 27,820,000	\$ 49,000,000
Total Nominal Project Costs	\$ 761,252,255	\$ 128,024,791	\$ 127,525,828	\$ 505,701,636
Nominal Ongoing Costs	\$ 298,098,076	\$ 17,666,667	\$ 61,407,679	\$ 219,023,730
Total Nominal Project Benefits	\$ 596,356,602	\$ 3,931,565	\$ 4,717,634	\$ 587,707,402
Project Benefit-Cost Ratio (Nominal)	0.56	0.03	0.02	0.81
Project Benefit-Cost Ratio (WACC-Discounted)	0.31	0.02	0.02	0.50

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2022
BCS	CapEx	Nominal	\$ -	7,996,524	\$ 18,821,476
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ 18,821,476

System	Expense Type	Discount Level	2020	2021	2022
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2022
C2M	CapEx	Nominal	\$ -	839,452	\$ 6,786,173
C2M	O&M	Nominal	\$ -	-	\$ -
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ 6,786,173

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2022
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ 18,821,476
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ 18,821,476

System	Expense Type	Discount Level	2020	2021	2022
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2022
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ 6,786,173
C2M	O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 6,786,173

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020		
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level			2020	2021	2022
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	\$18,821,476.00
BCS	O&M	WACC Discounted	\$	-	\$	-	\$
BCS	Contingency	WACC Discounted	\$	-	\$	-	\$
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	\$18,821,476.00
System	Expense Type	Discount Level			2020	2021	2022
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	\$
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	\$
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	\$
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	\$
System	Expense Type	Discount Level			2020	2021	2022
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	\$ 6,786,173.36
C2M	O&M	WACC Discounted	\$	-	\$	-	\$
C2M	Contingency	WACC Discounted	\$	-	\$	-	\$
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	\$ 6,786,173.36

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-live
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center labor rates set to str
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate applied to both CapEx
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereafter
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2027
T Value	1	2	3	4
Inflation Factor	100.5%	103.0%	105.6%	108.3%
Discount Factor (Social)	102.0%	104.0%	106.1%	108.2%
Discount Factor (WACC)	107.8%	116.2%	125.3%	135.0%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2023
BCS	CapEx	Nominal	\$ -	7,996,524	\$ 15,006,791
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ 15,006,791

System	Expense Type	Discount Level	2020	2021	2023
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2023
C2M	CapEx	Nominal	\$ -	839,452	\$ 32,244,084
C2M	O&M	Nominal	\$ -	-	\$ 889,646
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ 33,133,730

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2023
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ 15,006,791
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ 15,006,791

System	Expense Type	Discount Level	2020	2021	2023
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2023
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ 32,244,084
C2M	O&M	SRTP Discounted	\$ -	-	\$ 889,646
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 33,133,730

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2021	
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2023
BCS	CapEx	WACC Discounted	\$	-	\$ 7,996,524.00	\$ 15,006,791.00
BCS	O&M	WACC Discounted	\$	-	\$ -	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$ -	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
BCS	Total	WACC Discounted	\$	-	\$ 7,996,524.00	\$ 15,006,791.00
System	Expense Type	Discount Level		2020	2021	2023
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Total	WACC Discounted	\$	-	\$ -	\$ -
System	Expense Type	Discount Level		2020	2021	2023
C2M	CapEx	WACC Discounted	\$	-	\$ 839,451.51	\$ 32,244,083.98
C2M	O&M	WACC Discounted	\$	-	\$ -	\$ 889,645.64
C2M	Contingency	WACC Discounted	\$	-	\$ -	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
C2M	Total	WACC Discounted	\$	-	\$ 839,451.51	\$ 33,133,729.62

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2028
T Value	1	2	3	5
Inflation Factor	100.5%	103.0%	105.6%	111.1%
Discount Factor (Social)	102.0%	104.0%	106.1%	110.4%
Discount Factor (WACC)	107.8%	116.2%	125.3%	145.6%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2024
BCS	CapEx	Nominal	\$ -	7,996,524	\$ 44,100,000
BCS	O&M	Nominal	\$ -	-	\$ 1,000,000
BCS	Contingency	Nominal	\$ -	-	-
BCS	Ongoing O&M	Nominal	\$ -	-	-
BCS	Total	Nominal	\$ -	7,996,524	\$ 45,100,000

System	Expense Type	Discount Level	2020	2021	2024
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ 9,017,349
CC&B 25.1	O&M	Nominal	\$ -	-	-
CC&B 25.1	Contingency	Nominal	\$ -	-	-
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	-
CC&B 25.1	Total	Nominal	\$ -	-	\$ 9,017,349

System	Expense Type	Discount Level	2020	2021	2024
C2M	CapEx	Nominal	\$ -	839,452	\$ 36,177,941
C2M	O&M	Nominal	\$ -	-	\$ 3,345,728
C2M	Contingency	Nominal	\$ -	-	-
C2M	Ongoing O&M	Nominal	\$ -	-	-
C2M	Total	Nominal	\$ -	839,452	\$ 39,523,669

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2024
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ 43,235,294
BCS	O&M	SRTP Discounted	\$ -	-	\$ 980,392
BCS	Contingency	SRTP Discounted	\$ -	-	-
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	-
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ 44,215,686

System	Expense Type	Discount Level	2020	2021	2024
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ 8,840,538
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	-
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	-
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ 8,840,538

System	Expense Type	Discount Level	2020	2021	2024
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ 35,468,570
C2M	O&M	SRTP Discounted	\$ -	-	\$ 3,280,125
C2M	Contingency	SRTP Discounted	\$ -	-	-
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	-
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 38,748,695

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2022
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	20212024
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00 \$ 40,909,091
BCS	O&M	WACC Discounted	\$	- \$	- \$ 927,644
BCS	Contingency	WACC Discounted	\$	- \$	- \$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00 \$41,836,734.69
System	Expense Type	Discount Level		2020	20212024
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	- \$ 8,364,887
CC&B 25.1	O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	- \$ 8,364,887.47
System	Expense Type	Discount Level		2020	20212024
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51 \$ 33,560,243
C2M	O&M	WACC Discounted	\$	- \$	- \$ 3,103,644
C2M	Contingency	WACC Discounted	\$	- \$	- \$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Total	WACC Discounted	\$	- \$	839,451.51 \$36,663,886.27

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center late due to pre-exist
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate appase of CC&B 25.1)
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereof
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2029
T Value	1	2	3	6
Inflation Factor	100.5%	103.0%	105.6%	114.0%
Discount Factor (Social)	102.0%	104.0%	106.1%	112.6%
Discount Factor (WACC)	107.8%	116.2%	125.3%	156.9%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2025
BCS	CapEx	Nominal	\$ -	7,996,524	\$ 30,800,000
BCS	O&M	Nominal	\$ -	-	\$ 2,400,000
BCS	Contingency	Nominal	\$ -	-	\$ 7,900,000
BCS	Ongoing O&M	Nominal	\$ -	-	\$ 2,000,000
BCS	Total	Nominal	\$ -	7,996,524	\$ 43,100,000

System	Expense Type	Discount Level	2020	2021	2025
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ 46,163,647
CC&B 25.1	O&M	Nominal	\$ -	-	\$ 3,452,689
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ 15,174,545
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ 64,790,881

System	Expense Type	Discount Level	2020	2021	2025
C2M	CapEx	Nominal	\$ -	839,452	\$ -
C2M	O&M	Nominal	\$ -	-	\$ 1,946,123
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ 1,946,123

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2025
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ 29,603,998
BCS	O&M	SRTP Discounted	\$ -	-	\$ 2,306,805
BCS	Contingency	SRTP Discounted	\$ -	-	\$ 7,593,233
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 1,922,338
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ 41,426,374

System	Expense Type	Discount Level	2020	2021	2025
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ 44,371,056
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ 3,318,617
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ 14,585,299
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ 62,274,972

System	Expense Type	Discount Level	2020	2021	2025
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	-	\$ 1,870,553
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 1,870,553

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2023		
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021	2025	
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00	\$	26,504,108
BCS	O&M	WACC Discounted	\$	- \$	-	\$	2,065,255
BCS	Contingency	WACC Discounted	\$	- \$	-	\$	6,798,132
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-	\$	1,721,046
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00	#####	
System	Expense Type	Discount Level		2020	2021	2025	
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-	\$	39,724,879
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-	\$	2,971,118
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-	\$	13,058,045
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-	\$	-
CC&B 25.1	Total	WACC Discounted	\$	- \$	-	#####	
System	Expense Type	Discount Level		2020	2021	2025	
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51	\$	-
C2M	O&M	WACC Discounted	\$	- \$	-	\$	1,674,684
C2M	Contingency	WACC Discounted	\$	- \$	-	\$	-
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-	\$	-
C2M	Total	WACC Discounted	\$	- \$	839,451.51	\$	1,674,683.59

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center lang third-party ag
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereof
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2030
T Value	1	2	3	7
Inflation Factor	100.5%	103.0%	105.6%	117.0%
Discount Factor (Social)	102.0%	104.0%	106.1%	114.9%
Discount Factor (WACC)	107.8%	116.2%	125.3%	169.2%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2026
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ 4,000,000
BCS	Total	Nominal	\$ -	7,996,524	\$ 4,000,000

System	Expense Type	Discount Level	2020	2021	2026
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ 35,991,122
CC&B 25.1	O&M	Nominal	\$ -	-	\$ 5,081,022
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ 12,645,455
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ 8,986,490
CC&B 25.1	Total	Nominal	\$ -	-	\$ 62,704,088

System	Expense Type	Discount Level	2020	2021	2026
C2M	CapEx	Nominal	\$ -	839,452	\$ 30,674,116
C2M	O&M	Nominal	\$ -	-	\$ 8,470,037
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ 39,144,152

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2026
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 3,769,289
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ 3,769,289

System	Expense Type	Discount Level	2020	2021	2026
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ 33,915,238
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ 4,787,960
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ 11,916,095
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 8,468,170
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ 59,087,463

System	Expense Type	Discount Level	2020	2021	2026
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ 28,904,904
C2M	O&M	SRTP Discounted	\$ -	-	\$ 7,981,505
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 36,886,409

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2024		
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021	2026	
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00	\$	-
BCS	O&M	WACC Discounted	\$	- \$	-	\$	-
BCS	Contingency	WACC Discounted	\$	- \$	-	\$	-
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-	\$	3,193,035
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00	\$	3,193,035.22
System	Expense Type	Discount Level		2020	2021	2026	
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-	\$	28,730,230
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-	\$	4,055,970
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-	\$	10,094,346
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-	\$	7,173,544
CC&B 25.1	Total	WACC Discounted	\$	- \$	-		#####
System	Expense Type	Discount Level		2020	2021	2026	
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51	\$	24,485,883
C2M	O&M	WACC Discounted	\$	- \$	-	\$	6,761,281
C2M	Contingency	WACC Discounted	\$	- \$	-	\$	-
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-	\$	-
C2M	Total	WACC Discounted	\$	- \$	839,451.51		#####

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center lareements
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereof
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2031
T Value	1	2	3	8
Inflation Factor	100.5%	103.0%	105.6%	120.0%
Discount Factor (Social)	102.0%	104.0%	106.1%	117.2%
Discount Factor (WACC)	107.8%	116.2%	125.3%	182.4%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2027
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ 4,000,000
BCS	Total	Nominal	\$ -	7,996,524	\$ 4,000,000

System	Expense Type	Discount Level	2020	2021	2027
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ 17,972,979
CC&B 25.1	Total	Nominal	\$ -	-	\$ 17,972,979

System	Expense Type	Discount Level	2020	2021	2027
C2M	CapEx	Nominal	\$ -	839,452	\$ 83,922,930
C2M	O&M	Nominal	\$ -	-	\$ 7,996,011
C2M	Contingency	Nominal	\$ -	-	\$ 10,088,235
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ 102,007,177

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2027
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 3,695,382
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ 3,695,382

System	Expense Type	Discount Level	2020	2021	2027
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 16,604,255
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ 16,604,255

System	Expense Type	Discount Level	2020	2021	2027
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ 77,531,815
C2M	O&M	SRTP Discounted	\$ -	-	\$ 7,387,079
C2M	Contingency	SRTP Discounted	\$ -	-	\$ 9,319,970
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 94,238,864

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2025		
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021	2027	
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 2,961,999
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	\$ 2,961,999.28
System	Expense Type	Discount Level		2020	2021	2027	
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 13,308,988
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	\$ 13,308,987.87
System	Expense Type	Discount Level		2020	2021	2027	
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	\$ 62,144,915
C2M	O&M	WACC Discounted	\$	-	\$	-	\$ 5,921,045
C2M	Contingency	WACC Discounted	\$	-	\$	-	\$ 7,470,336
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ -
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	\$ 75,536,295.88

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2032
T Value	1	2	3	9
Inflation Factor	100.5%	103.0%	105.6%	123.2%
Discount Factor (Social)	102.0%	104.0%	106.1%	119.5%
Discount Factor (WACC)	107.8%	116.2%	125.3%	196.6%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2026
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 160,680
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 128,264
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 151,413
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 27,134
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 21,660
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 25,569
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 379,726
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 303,119
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 357,824
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 104,729
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 83,601
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 98,689
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 13,515
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 10,789
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 12,736
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2026
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 75,429
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 60,212
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 71,079
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2026
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ 27,134
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ 21,660
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ 25,569
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ 379,726
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ 303,119
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ 357,824
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ 104,729
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ 83,601
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ 98,689
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2026
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2026
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ 160,680
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ 128,264
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ 151,413
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2026
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ 13,515
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ 10,789
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ 12,736
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ 75,429
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ 60,212
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ 71,079
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2026
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2026
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2028
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ 4,000,000
BCS	Total	Nominal	\$ -	7,996,524	\$ 4,000,000

System	Expense Type	Discount Level	2020	2021	2028
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ 17,972,979
CC&B 25.1	Total	Nominal	\$ -	-	\$ 17,972,979

System	Expense Type	Discount Level	2020	2021	2028
C2M	CapEx	Nominal	\$ -	839,452	\$ 83,517,929
C2M	O&M	Nominal	\$ -	-	\$ 9,217,771
C2M	Contingency	Nominal	\$ -	-	\$ 17,294,118
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ 110,029,818

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2028
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 3,622,923
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ 3,622,923

System	Expense Type	Discount Level	2020	2021	2028
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 16,278,681
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ 16,278,681

System	Expense Type	Discount Level	2020	2021	2028
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ 75,644,762
C2M	O&M	SRTP Discounted	\$ -	-	\$ 8,348,819
C2M	Contingency	SRTP Discounted	\$ -	-	\$ 15,663,815
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 99,657,396

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2026
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021	2028	
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 2,747,680
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	\$ 2,747,680.22
System	Expense Type	Discount Level		2020	2021	2028	
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 12,346,000
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	\$ 12,345,999.88
System	Expense Type	Discount Level		2020	2021	2028	
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	\$ 57,370,141
C2M	O&M	WACC Discounted	\$	-	\$	-	\$ 6,331,872
C2M	Contingency	WACC Discounted	\$	-	\$	-	\$ 11,879,676
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ -
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	\$ 75,581,688.77

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2033
T Value	1	2	3	10
Inflation Factor	100.5%	103.0%	105.6%	126.4%
Discount Factor (Social)	102.0%	104.0%	106.1%	121.9%
Discount Factor (WACC)	107.8%	116.2%	125.3%	211.9%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2027
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 989,147
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 732,463
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 913,819
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 55,680
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 41,231
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 51,440
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 828,703
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 613,654
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 765,593
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 214,905
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 159,137
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 198,539
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 55,467
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 41,074
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 51,243
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2027
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 309,562
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 229,230
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 285,987
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2027
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ 55,680
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ 41,231
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ 51,440
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ 828,703
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ 613,654
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ 765,593
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ 214,905
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ 159,137
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ 198,539
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2027
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2027
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ 989,147
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ 732,463
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ 913,819
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2027
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ 55,467
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ 41,074
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ 51,243
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ 309,562
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ 229,230
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ 285,987
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2027
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2027
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2029
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ 3,666,667
BCS	Total	Nominal	\$ -	7,996,524	\$ 3,666,667

System	Expense Type	Discount Level	2020	2021	2029
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ 16,475,231
CC&B 25.1	Total	Nominal	\$ -	-	\$ 16,475,231

System	Expense Type	Discount Level	2020	2021	2029
C2M	CapEx	Nominal	\$ -	839,452	\$ 86,759,649
C2M	O&M	Nominal	\$ -	-	\$ 26,226,920
C2M	Contingency	Nominal	\$ -	-	\$ 17,294,118
C2M	Ongoing O&M	Nominal	\$ -	-	\$ 1,403,998
C2M	Total	Nominal	\$ -	839,452	\$ 131,684,685

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2029
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 3,255,895
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ 3,255,895

System	Expense Type	Discount Level	2020	2021	2029
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 14,629,534
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ 14,629,534

System	Expense Type	Discount Level	2020	2021	2029
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ 77,040,085
C2M	O&M	SRTP Discounted	\$ -	-	\$ 23,288,754
C2M	Contingency	SRTP Discounted	\$ -	-	\$ 15,356,682
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 1,246,710
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 116,932,231

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2027
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020		2021	2029
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 2,336,463
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	\$ 2,336,462.77
System	Expense Type	Discount Level		2020		2021	2029
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 10,498,299
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	\$ 10,498,299.22
System	Expense Type	Discount Level		2020		2021	2029
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	\$ 55,284,734
C2M	O&M	WACC Discounted	\$	-	\$	-	\$ 16,712,242
C2M	Contingency	WACC Discounted	\$	-	\$	-	\$ 11,020,108
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 894,652
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	\$ 83,911,735.34

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2034
T Value	1	2	3	11
Inflation Factor	100.5%	103.0%	105.6%	129.7%
Discount Factor (Social)	102.0%	104.0%	106.1%	124.3%
Discount Factor (WACC)	107.8%	116.2%	125.3%	228.5%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2028
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,014,865
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 697,131
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 919,195
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 57,128
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 39,242
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 51,742
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 897,172
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 616,285
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 812,596
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 220,492
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 151,461
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 199,707
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 56,910
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 39,092
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 51,545
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2028
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 317,610
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 218,173
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 287,670
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2028
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ 57,128
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ 39,242
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ 51,742
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ 897,172
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ 616,285
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ 812,596
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ 220,492
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ 151,461
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ 199,707
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2028
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2028
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ 1,014,865
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ 697,131
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ 919,195
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2028
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ 56,910
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ 39,092
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ 51,545
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ 317,610
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ 218,173
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ 287,670
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2028
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2028
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2030
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	\$ -	\$ -
BCS	Contingency	Nominal	\$ -	\$ -	\$ -
BCS	Ongoing O&M	Nominal	\$ -	\$ -	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2030
CC&B 25.1	CapEx	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	O&M	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Total	Nominal	\$ -	\$ -	\$ -

System	Expense Type	Discount Level	2020	2021	2030
C2M	CapEx	Nominal	\$ -	839,452	\$ 15,667,217
C2M	O&M	Nominal	\$ -	\$ -	\$ 22,019,909
C2M	Contingency	Nominal	\$ -	\$ -	\$ 4,323,529
C2M	Ongoing O&M	Nominal	\$ -	\$ -	\$ 16,847,979
C2M	Total	Nominal	\$ -	839,452	\$ 58,858,635

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2030
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Contingency	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2030
CC&B 25.1	CapEx	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	\$ -	\$ -

System	Expense Type	Discount Level	2020	2021	2030
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ 13,639,255
C2M	O&M	SRTP Discounted	\$ -	\$ -	\$ 19,169,656
C2M	Contingency	SRTP Discounted	\$ -	\$ -	\$ 3,763,893
C2M	Ongoing O&M	SRTP Discounted	\$ -	\$ -	\$ 14,667,180
C2M	Total	SRTP Discounted	\$ -	839,452	\$ 51,239,983

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2028
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021		2030
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	\$
BCS	O&M	WACC Discounted	\$	-	\$	-	\$
BCS	Contingency	WACC Discounted	\$	-	\$	-	\$
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	\$
System	Expense Type	Discount Level		2020	2021		2030
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	\$
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	\$
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	\$
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	\$
System	Expense Type	Discount Level		2020	2021		2030
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	\$
C2M	O&M	WACC Discounted	\$	-	\$	-	\$
C2M	Contingency	WACC Discounted	\$	-	\$	-	\$
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	#####

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2035
T Value	1	2	3	12
Inflation Factor	100.5%	103.0%	105.6%	133.0%
Discount Factor (Social)	102.0%	104.0%	106.1%	126.8%
Discount Factor (WACC)	107.8%	116.2%	125.3%	246.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2029
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 428,747
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 273,205
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 380,715
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 1,765
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 1,125
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 1,567
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 58,363
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 37,190
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 51,825
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 80,532
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 51,316
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 71,510
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 71,304
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 45,436
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 63,316
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 19,097
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 12,169
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 16,957
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,388,335
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 884,671
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,232,802
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 617
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 393
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 548
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 58,613
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 37,349
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 52,047
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 686
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 437
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 609
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 7,816
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 4,981
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 6,941
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 965,232
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 615,062
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 857,098
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 226,225
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 144,154
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 200,881
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 73,379
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 46,759
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 65,159
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 28,216
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 17,980
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 25,055
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 11,557
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 7,364
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 10,262
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 19,420
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 12,375
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 17,245
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 22,447
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 14,304
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 19,933
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 202,026
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 128,734
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 179,393
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 338,545
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 215,727
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 300,618
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 372,143
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 237,136
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 330,452
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 393,742
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 250,899
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 349,631
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 501,147
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 319,339
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 445,004
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 58,389
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 37,207
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 51,848
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ 421,580
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ 268,638
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ 374,351
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 30,586
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 19,490
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 27,160
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 14,875
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 9,478
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 13,208
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2029
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 434,491
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 276,865
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 385,816
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 505
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 322
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 448

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2029
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ 53,728
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ 34,237
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ 47,709
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ 884,796
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ 563,807
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ 785,673
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ 207,373
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ 132,142
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ 184,141
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2029
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2029
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ 1,272,641
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ 810,948
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ 1,130,069
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2029
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ 53,523
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ 34,106
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ 47,527
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ 398,283
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ 253,793
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ 353,664
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2029
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 428,747
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 273,205
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 380,715
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 1,765
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 1,125
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 1,567
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 58,363
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 37,190
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 51,825
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 80,532
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 51,316
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 71,510
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 71,304
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 45,436
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 63,316
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 19,097
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 12,169
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 16,957
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 115,695
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 73,723
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 102,734
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 617
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 393
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 548
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 4,884
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 3,112
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 4,337
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 686
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 437
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 609
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 7,816
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 4,981
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 6,941
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 80,436
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 51,255
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 71,425
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 18,852
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 12,013
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 16,740
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 73,379
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 46,759
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 65,159
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 28,216
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 17,980
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 25,055
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 11,557
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 7,364
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 10,262
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 19,420
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 12,375
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 17,245
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 22,447
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 14,304
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 19,933
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 202,026
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 128,734
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 179,393

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2020	2021	2031
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$	338,545	
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$	215,727	
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$	300,618	
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$	372,143	
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$	237,136	
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$	330,452	
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$	393,742	
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$	250,899	
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$	349,631	
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$	501,147	
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$	319,339	
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$	445,004	
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$	4,866	
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$	3,101	
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$	4,321	
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$	421,580	
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$	268,638	
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$	374,351	
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$	30,586	
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$	19,490	
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$	27,160	
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$	14,875	
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$	9,478	
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$	13,208	
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$	-	
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$	-	
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$	-	
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$	-	
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$	-	
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$	-	
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$	36,208	
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$	23,072	
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$	32,151	
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$	505	
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$	322	
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$	448	

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2031
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	\$ -	\$ -
BCS	Contingency	Nominal	\$ -	\$ -	\$ -
BCS	Ongoing O&M	Nominal	\$ -	\$ -	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2031
CC&B 25.1	CapEx	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	O&M	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Total	Nominal	\$ -	\$ -	\$ -

System	Expense Type	Discount Level	2020	2021	2031
C2M	CapEx	Nominal	\$ -	839,452	\$ -
C2M	O&M	Nominal	\$ -	\$ -	\$ -
C2M	Contingency	Nominal	\$ -	\$ -	\$ -
C2M	Ongoing O&M	Nominal	\$ -	\$ -	16,847,979
C2M	Total	Nominal	\$ -	839,452	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2031
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Contingency	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2031
CC&B 25.1	CapEx	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	\$ -	\$ -

System	Expense Type	Discount Level	2020	2021	2031
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	\$ -	\$ -
C2M	Contingency	SRTP Discounted	\$ -	\$ -	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	\$ -	14,379,588
C2M	Total	SRTP Discounted	\$ -	839,452	14,379,588

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level		2029
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2031
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Contingency	WACC Discounted	\$	- \$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2031
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	-	\$ -
System	Expense Type	Discount Level		2020	2021	2031
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	- \$	-	\$ -
C2M	Contingency	WACC Discounted	\$	- \$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ 9,238,421
C2M	Total	WACC Discounted	\$	- \$	839,451.51	\$ 9,238,420.63

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2036
T Value	1	2	3	13
Inflation Factor	100.5%	103.0%	105.6%	136.5%
Discount Factor (Social)	102.0%	104.0%	106.1%	129.4%
Discount Factor (WACC)	107.8%	116.2%	125.3%	265.5%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2030
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 5,299,356
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 3,132,505
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,613,408
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 22,876
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 13,522
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 19,915
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 742,320
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 438,793
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 646,235
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 995,382
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 588,381
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 866,540
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 905,334
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 535,153
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 788,148
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 248,461
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 146,868
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 216,300
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,424,432
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 841,997
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,240,054
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 7,596
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 4,490
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,613
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 60,137
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 35,547
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 52,353
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 8,440
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 4,989
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,348
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 128,315
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 75,848
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 111,706
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,033,190
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 610,729
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 899,454
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 232,107
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 137,201
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 202,063
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 911,968
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 539,074
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 793,923
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 347,392
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 205,347
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 302,426
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 146,736
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 86,737
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 127,742
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 240,094
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 141,922
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 209,016
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 276,372
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 163,366
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 240,598
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 2,487,345
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,470,296
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 2,165,383
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,168,166
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,463,846
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,628,639
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,581,820
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,708,362
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,988,750
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 4,847,747
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,865,554
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,220,256
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 6,170,116
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 3,647,220
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,371,457
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 59,907
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 35,412
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 52,153
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 376,579
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 222,600
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 327,835
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 183,138
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 108,255
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 159,432
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 261,816

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2030
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 154,762
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 227,927
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 2,356,346
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 1,392,861
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 2,051,341
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 445,788
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 263,510
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 388,085
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 6,213
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 3,673
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,409

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2030
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2030
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2030
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2030
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2030
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 5,299,356
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 3,132,505
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,613,408
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 22,876
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 13,522
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 19,915
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 742,320
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 438,793
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 646,235
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 995,382
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 588,381
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 866,540
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 905,334
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 535,153
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 788,148
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 248,461
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 146,868
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 216,300
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,424,432
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 841,997
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,240,054
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 7,596
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 4,490
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,613
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 60,137
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 35,547
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 52,353
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 8,440
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 4,989
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,348
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 128,315
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 75,848
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 111,706
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,033,190
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 610,729
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 899,454
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 232,107
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 137,201
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 202,063
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 911,968
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 539,074
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 793,923
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 347,392
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 205,347
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 302,426
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 146,736
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 86,737
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 127,742
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 240,094
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 141,922
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 209,016
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 276,372
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 163,366
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 240,598
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 2,487,345
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,470,296
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 2,165,383

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2030
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,168,166
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,463,846
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,628,639
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,581,820
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,708,362
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,988,750
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 4,847,747
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,865,554
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,220,256
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 6,170,116
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 3,647,220
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,371,457
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 59,907
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 35,412
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 52,153
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 376,579
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 222,600
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 327,835
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 183,138
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 108,255
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 159,432
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 261,816
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 154,762
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 227,927
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 2,356,346
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 1,392,861
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 2,051,341
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 445,788
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 263,510
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 388,085
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 6,213
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 3,673
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,409

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2032
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2032
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2032
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2032
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2032
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2032
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	14,097,635
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	14,097,635

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level		2030
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2032
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Contingency	WACC Discounted	\$	- \$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2032
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	-	\$ -
System	Expense Type	Discount Level		2020	2021	2032
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	- \$	-	\$ -
C2M	Contingency	WACC Discounted	\$	- \$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ 8,569,963
C2M	Total	WACC Discounted	\$	- \$	839,451.51	\$ 8,569,963.48

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2037
T Value	1	2	3	14
Inflation Factor	100.5%	103.0%	105.6%	140.0%
Discount Factor (Social)	102.0%	104.0%	106.1%	131.9%
Discount Factor (WACC)	107.8%	116.2%	125.3%	286.2%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2031
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 5,458,295
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,993,002
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,658,603
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 23,471
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 12,870
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,032
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 785,580
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 430,765
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 670,485
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,025,236
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 562,178
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 875,029
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 955,940
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 524,180
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 815,886
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 255,913
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 140,327
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 218,419
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,461,467
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 801,381
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,247,348
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 7,794
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 4,274
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,652
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 61,700
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 33,833
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 52,661
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 8,660
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 4,748
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,391
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 131,651
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 72,190
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 112,363
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,101,301
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 603,887
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 939,950
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 238,142
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 130,583
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 203,252
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 944,424
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 517,866
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 806,057
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 356,424
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 195,442
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 304,205
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 154,938
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 84,959
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 132,238
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 247,353
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 135,634
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 211,114
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 378,076
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 207,314
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 322,685
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 3,402,687
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,865,830
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 2,904,161
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,276,538
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,344,997
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,649,984
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,700,947
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,577,717
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,012,213
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 4,973,789
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,727,327
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,245,081
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 6,330,539
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 3,471,288
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,403,054
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 61,465
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 33,704
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 52,460
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 386,370
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 211,862
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 329,763
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 187,899
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 103,033
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 160,370
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 268,623

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2031
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 147,297
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 229,267
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 2,417,611
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 1,325,673
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 2,063,407
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 457,378
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 250,799
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 390,368
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 6,375
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 3,496
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,441

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2031
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2031
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2031
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2031
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2031
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 5,458,295
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,993,002
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,658,603
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 23,471
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 12,870
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,032
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 785,580
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 430,765
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 670,485
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,025,236
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 562,178
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 875,029
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 955,940
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 524,180
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 815,886
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 255,913
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 140,327
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 218,419
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,461,467
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 801,381
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,247,348
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 7,794
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 4,274
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,652
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 61,700
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 33,833
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 52,661
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 8,660
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 4,748
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,391
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 131,651
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 72,190
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 112,363
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,101,301
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 603,887
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 939,950
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 238,142
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 130,583
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 203,252
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 944,424
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 517,866
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 806,057
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 356,424
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 195,442
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 304,205
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 154,938
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 84,959
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 132,238
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 247,353
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 135,634
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 211,114
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 378,076
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 207,314
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 322,685
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 3,402,687
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,865,830
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 2,904,161

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2031
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,276,538
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,344,997
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,649,984
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,700,947
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,577,717
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,012,213
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 4,973,789
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,727,327
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,245,081
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 6,330,539
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 3,471,288
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,403,054
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 61,465
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 33,704
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 52,460
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 386,370
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 211,862
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 329,763
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 187,899
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 103,033
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 160,370
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 268,623
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 147,297
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 229,267
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 2,417,611
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 1,325,673
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 2,063,407
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 457,378
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 250,799
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 390,368
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 6,375
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 3,496
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,441

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2033
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2033
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2033
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2033
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2033
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2033
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	13,821,211
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	13,821,211

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level		2031
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2033
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Contingency	WACC Discounted	\$	- \$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2033
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	-	\$ -
System	Expense Type	Discount Level		2020	2021	2033
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	- \$	-	\$ -
C2M	Contingency	WACC Discounted	\$	- \$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ 7,949,873
C2M	Total	WACC Discounted	\$	- \$	839,451.51	\$ 7,949,873.35

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2038
T Value	1	2	3	15
Inflation Factor	100.5%	103.0%	105.6%	143.7%
Discount Factor (Social)	102.0%	104.0%	106.1%	134.6%
Discount Factor (WACC)	107.8%	116.2%	125.3%	308.5%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2032
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 5,621,917
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,859,668
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,704,169
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 24,081
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 12,249
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,150
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 829,351
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 421,861
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 693,964
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,055,969
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 537,134
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 883,587
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,007,537
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 512,498
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 843,062
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 263,584
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 134,076
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 220,556
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,499,465
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 762,724
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,254,686
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 7,996
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 4,067
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,691
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 63,305
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 32,201
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 52,970
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 8,885
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 4,519
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,434
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 135,074
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 68,707
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 113,024
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,169,785
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 595,028
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 978,823
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 244,333
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 124,284
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 204,447
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 977,951
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 497,449
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 818,306
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 365,691
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 186,014
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 305,994
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 163,301
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 83,065
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 136,643
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 254,828
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 129,622
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 213,228
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 387,906
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 197,314
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 324,583
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 3,491,157
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,775,827
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 2,921,244
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,387,728
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,231,880
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,671,454
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,823,172
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,453,375
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,035,814
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 5,103,107
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,595,768
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,270,052
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 6,495,133
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 3,303,842
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,434,837
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 63,063
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 32,078
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 52,768
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 396,416
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 201,642
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 331,703
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 192,785
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 98,063
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 161,313
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 275,608

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2032
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 140,192
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 230,616
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 2,480,469
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 1,261,725
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 2,075,545
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 469,270
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 238,701
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 392,664
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 6,540
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 3,327
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,473

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2032
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2032
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2032
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2032
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2032
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 5,621,917
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,859,668
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,704,169
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 24,081
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 12,249
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,150
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 829,351
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 421,861
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 693,964
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,055,969
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 537,134
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 883,587
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,007,537
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 512,498
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 843,062
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 263,584
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 134,076
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 220,556
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,499,465
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 762,724
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,254,686
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 7,996
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 4,067
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,691
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 63,305
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 32,201
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 52,970
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 8,885
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 4,519
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,434
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 135,074
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 68,707
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 113,024
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,169,785
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 595,028
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 978,823
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 244,333
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 124,284
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 204,447
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 977,951
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 497,449
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 818,306
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 365,691
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 186,014
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 305,994
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 163,301
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 83,065
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 136,643
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 254,828
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 129,622
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 213,228
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 387,906
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 197,314
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 324,583
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 3,491,157
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,775,827
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 2,921,244

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2032
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,387,728
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,231,880
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,671,454
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,823,172
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,453,375
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,035,814
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 5,103,107
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,595,768
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,270,052
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 6,495,133
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 3,303,842
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,434,837
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 63,063
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 32,078
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 52,768
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 396,416
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 201,642
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 331,703
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 192,785
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 98,063
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 161,313
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 275,608
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 140,192
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 230,616
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 2,480,469
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 1,261,725
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 2,075,545
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 469,270
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 238,701
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 392,664
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 6,540
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 3,327
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,473

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2034
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2034
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2034
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2034
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2034
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2034
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	13,550,207
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	13,550,207

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2032
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021	2034	
BCS	CapEx	WACC Discounted	\$	-	\$ 7,996,524.00	\$ -	
BCS	O&M	WACC Discounted	\$	-	\$ -	\$ -	
BCS	Contingency	WACC Discounted	\$	-	\$ -	\$ -	
BCS	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -	
BCS	Total	WACC Discounted	\$	-	\$ 7,996,524.00	\$ -	
System	Expense Type	Discount Level		2020	2021	2034	
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$ -	\$ -	
CC&B 25.1	O&M	WACC Discounted	\$	-	\$ -	\$ -	
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$ -	\$ -	
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -	
CC&B 25.1	Total	WACC Discounted	\$	-	\$ -	\$ -	
System	Expense Type	Discount Level		2020	2021	2034	
C2M	CapEx	WACC Discounted	\$	-	\$ 839,451.51	\$ -	
C2M	O&M	WACC Discounted	\$	-	\$ -	\$ -	
C2M	Contingency	WACC Discounted	\$	-	\$ -	\$ -	
C2M	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ 7,374,651	
C2M	Total	WACC Discounted	\$	-	\$ 839,451.51	\$ 7,374,650.61	

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2039
T Value	1	2	3	16
Inflation Factor	100.5%	103.0%	105.6%	147.4%
Discount Factor (Social)	102.0%	104.0%	106.1%	137.3%
Discount Factor (WACC)	107.8%	116.2%	125.3%	332.6%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2033
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 5,790,358
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,732,233
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,750,110
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 24,707
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 11,658
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,268
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 874,581
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 412,679
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 717,461
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,087,607
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 513,197
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 892,217
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,060,190
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 500,261
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 869,725
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 271,482
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 128,101
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 222,710
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,538,452
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 725,932
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,262,066
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 8,204
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 3,871
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,730
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 64,950
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 30,647
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 53,282
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 9,116
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 4,301
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,478
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 138,586
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 65,393
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 113,689
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,238,829
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 584,553
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,016,271
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 250,686
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 118,288
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 205,650
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,012,583
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 477,797
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 830,671
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 375,199
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 177,041
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 307,794
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 171,835
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 81,082
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 140,964
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 262,523
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 123,874
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 215,361
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 397,992
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 187,796
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 326,492
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 3,581,927
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,690,165
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 2,938,428
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,501,809
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,124,220
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,693,051
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,948,574
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,335,030
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,059,554
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 5,235,788
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,470,555
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,295,170
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 6,664,007
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 3,144,473
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,466,807
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 64,703
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 30,531
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 53,079
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 406,723
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 191,916
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 333,654
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 197,797
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 93,332
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 162,262
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 282,773

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2033
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 133,429
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 231,973
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 2,544,961
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 1,200,863
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 2,087,754
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 481,471
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 227,187
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 394,974
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 6,711
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 3,166
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,505

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2033
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2033
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2033
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2033
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2033
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 5,790,358
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,732,233
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,750,110
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 24,707
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 11,658
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,268
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 874,581
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 412,679
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 717,461
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,087,607
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 513,197
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 892,217
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,060,190
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 500,261
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 869,725
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 271,482
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 128,101
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 222,710
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,538,452
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 725,932
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,262,066
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 8,204
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 3,871
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,730
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 64,950
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 30,647
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 53,282
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 9,116
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 4,301
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,478
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 138,586
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 65,393
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 113,689
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,238,829
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 584,553
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,016,271
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 250,686
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 118,288
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 205,650
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,012,583
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 477,797
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 830,671
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 375,199
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 177,041
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 307,794
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 171,835
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 81,082
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 140,964
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 262,523
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 123,874
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 215,361
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 397,992
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 187,796
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 326,492
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 3,581,927
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,690,165
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 2,938,428

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2033
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,501,809
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,124,220
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,693,051
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,948,574
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,335,030
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,059,554
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 5,235,788
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,470,555
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,295,170
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 6,664,007
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 3,144,473
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,466,807
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 64,703
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 30,531
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 53,079
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 406,723
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 191,916
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 333,654
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 197,797
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 93,332
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 162,262
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 282,773
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 133,429
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 231,973
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 2,544,961
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 1,200,863
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 2,087,754
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 481,471
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 227,187
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 394,974
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 6,711
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 3,166
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,505

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2035
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2035
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2035
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2035
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2035
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2035
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	13,284,517
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	13,284,517

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level		2033
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2035
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Contingency	WACC Discounted	\$	- \$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2035
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	-	\$ -
System	Expense Type	Discount Level		2020	2021	2035
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	- \$	-	\$ -
C2M	Contingency	WACC Discounted	\$	- \$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ 6,841,049
C2M	Total	WACC Discounted	\$	- \$	839,451.51	\$ 6,841,048.80

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2040
T Value	1	2	3	17
Inflation Factor	100.5%	103.0%	105.6%	151.2%
Discount Factor (Social)	102.0%	104.0%	106.1%	140.0%
Discount Factor (WACC)	107.8%	116.2%	125.3%	358.5%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2034
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 5,963,757
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,610,439
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,796,429
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 25,349
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 11,096
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,388
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 917,538
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 401,622
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 737,942
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,120,177
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 490,321
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 900,917
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,113,965
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 487,602
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 895,921
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 279,612
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 122,391
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 224,881
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,578,451
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 690,915
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,269,490
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 8,418
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 3,685
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,770
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 66,639
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 29,169
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 53,595
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 9,353
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 4,094
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,522
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 142,189
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 62,239
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 114,358
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,308,600
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 572,797
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,052,459
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 257,204
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 112,583
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 206,860
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,048,355
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 458,883
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 843,153
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 384,955
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 168,501
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 309,605
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 180,550
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 79,030
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 145,210
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 270,447
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 118,379
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 217,511
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 408,340
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 178,737
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 328,413
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 3,675,058
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,608,636
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 2,955,713
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,618,856
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,021,753
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,714,775
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,077,237
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,222,394
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,083,434
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 5,371,918
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,351,381
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,320,435
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 6,837,271
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 2,992,791
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,498,964
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 66,385
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 29,058
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 53,391
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 417,297
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 182,658
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 335,617
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 202,940
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 88,830
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 163,217
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2034
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 493,989
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 216,228
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 397,297
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 6,885
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 3,014
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,537

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2034
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2034
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2034
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2034
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2034
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 5,963,757
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,610,439
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,796,429
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 25,349
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 11,096
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,388
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 917,538
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 401,622
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 737,942
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,120,177
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 490,321
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 900,917
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,113,965
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 487,602
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 895,921
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 279,612
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 122,391
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 224,881
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,578,451
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 690,915
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,269,490
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 8,418
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 3,685
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,770
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 66,639
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 29,169
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 53,595
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 9,353
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 4,094
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,522
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 142,189
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 62,239
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 114,358
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,308,600
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 572,797
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,052,459
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 257,204
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 112,583
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 206,860
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,048,355
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 458,883
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 843,153
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 384,955
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 168,501
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 309,605
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 180,550
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 79,030
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 145,210
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 270,447
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 118,379
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 217,511
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 408,340
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 178,737
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 328,413
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 3,675,058
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,608,636
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 2,955,713

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2034
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,618,856
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,021,753
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,714,775
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,077,237
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,222,394
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,083,434
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 5,371,918
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,351,381
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,320,435
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 6,837,271
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 2,992,791
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,498,964
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 66,385
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 29,058
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 53,391
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 417,297
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 182,658
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 335,617
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 202,940
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 88,830
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 163,217
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 493,989
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 216,228
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 397,297
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 6,885
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 3,014
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,537

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2036
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2036
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2036
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2036
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2036
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2036
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	13,024,036
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	13,024,036

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2034
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021		2036
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	-
BCS	O&M	WACC Discounted	\$	-	\$	-	-
BCS	Contingency	WACC Discounted	\$	-	\$	-	-
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	-
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	-
System	Expense Type	Discount Level		2020	2021		2036
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	-
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	-
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	-
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	-
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	-
System	Expense Type	Discount Level		2020	2021		2036
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	-
C2M	O&M	WACC Discounted	\$	-	\$	-	-
C2M	Contingency	WACC Discounted	\$	-	\$	-	-
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	6,346,056
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	\$ 6,346,056.40

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2041
T Value	1	2	3	18
Inflation Factor	100.5%	103.0%	105.6%	155.2%
Discount Factor (Social)	102.0%	104.0%	106.1%	142.8%
Discount Factor (WACC)	107.8%	116.2%	125.3%	386.5%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2035
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 6,142,258
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,494,037
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,843,129
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 26,008
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 10,561
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,508
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 953,957
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 387,350
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 752,188
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,153,705
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 468,457
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 909,688
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,168,923
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 474,636
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 921,688
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 287,981
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 116,933
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 227,071
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,619,491
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 657,587
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,276,958
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 8,636
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 3,507
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,810
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 68,372
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 27,762
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 53,911
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 9,596
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 3,896
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,566
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 145,886
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 59,237
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 115,030
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,379,247
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 560,037
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,087,527
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 263,891
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 107,152
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 208,076
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,085,303
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 440,682
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 855,754
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 394,963
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 160,373
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 311,426
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 189,458
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 76,929
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 149,386
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 278,605
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 113,126
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 219,678
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 418,957
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 170,115
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 330,344
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 3,770,609
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,531,039
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 2,973,099
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,738,946
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,924,229
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,736,627
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,209,245
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,115,191
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,107,454
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 5,511,588
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,237,956
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,345,850
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 7,015,040
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 2,848,426
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,531,311
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 68,111
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 27,656
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 53,705
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 428,147
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 173,847
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 337,591
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 208,216
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 84,545
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 164,177
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2035
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 506,833
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 205,797
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 399,634
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 7,064
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 2,868
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,570

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2035
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2035
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2035
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2035
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2035
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 6,142,258
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,494,037
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,843,129
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 26,008
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 10,561
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,508
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 953,957
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 387,350
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 752,188
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,153,705
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 468,457
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 909,688
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,168,923
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 474,636
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 921,688
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 287,981
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 116,933
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 227,071
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,619,491
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 657,587
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,276,958
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 8,636
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 3,507
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,810
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 68,372
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 27,762
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 53,911
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 9,596
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 3,896
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,566
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 145,886
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 59,237
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 115,030
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,379,247
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 560,037
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,087,527
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 263,891
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 107,152
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 208,076
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,085,303
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 440,682
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 855,754
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 394,963
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 160,373
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 311,426
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 189,458
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 76,929
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 149,386
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 278,605
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 113,126
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 219,678
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 418,957
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 170,115
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 330,344
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 3,770,609
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,531,039
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 2,973,099

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2035
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,738,946
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,924,229
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,736,627
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,209,245
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,115,191
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,107,454
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 5,511,588
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,237,956
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,345,850
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 7,015,040
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 2,848,426
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,531,311
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 68,111
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 27,656
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 53,705
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 428,147
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 173,847
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 337,591
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 208,216
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 84,545
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 164,177
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 506,833
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 205,797
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 399,634
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 7,064
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 2,868
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,570

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2037
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2037
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2037
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2037
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2037
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2037
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	12,768,663
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	12,768,663

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2035
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021		2037
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021		2037
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	\$ -
System	Expense Type	Discount Level		2020	2021		2037
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	-	\$	-	\$ -
C2M	Contingency	WACC Discounted	\$	-	\$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 5,886,880
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	\$ 5,886,879.78

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2042
T Value	1	2	3	19
Inflation Factor	100.5%	103.0%	105.6%	159.2%
Discount Factor (Social)	102.0%	104.0%	106.1%	145.7%
Discount Factor (WACC)	107.8%	116.2%	125.3%	416.6%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 6,326,010
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,382,791
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,890,212
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 26,685
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 10,051
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,628
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 991,891
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 373,611
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 766,764
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,188,219
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 447,561
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 918,532
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,225,125
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 461,463
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 947,061
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 296,596
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 111,717
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 229,278
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,661,598
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 625,867
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,284,469
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 8,861
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 3,338
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,850
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 70,149
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 26,423
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 54,228
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 9,846
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 3,708
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,611
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 149,679
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 56,379
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 115,707
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,450,904
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 546,506
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,121,596
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 270,752
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 101,983
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 209,300
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,123,463
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 423,170
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 868,473
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 405,232
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 152,637
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 313,258
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 198,567
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 74,793
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 153,499
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 287,005
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 108,105
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 221,864
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 429,849
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 161,910
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 332,288
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 3,868,645
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,457,186
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 2,990,588
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,862,159
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,831,409
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,758,607
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,344,686
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,013,160
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,131,616
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 5,654,890
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,130,003
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,371,414
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 7,197,431
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 2,711,026
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,563,848
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 69,882
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 26,322
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 54,021
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 439,279
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 165,461
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 339,577
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 213,630
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 80,467
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 165,143
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 520,011
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 195,870
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 401,985
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 7,248
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 2,730
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,603

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 6,326,010
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,382,791
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,890,212
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 26,685
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 10,051
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,628
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 991,891
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 373,611
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 766,764
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,188,219
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 447,561
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 918,532
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,225,125
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 461,463
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 947,061
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 296,596
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 111,717
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 229,278
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,661,598
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 625,867
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,284,469
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 8,861
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 3,338
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,850
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 70,149
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 26,423
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 54,228
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 9,846
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 3,708
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,611
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 149,679
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 56,379
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 115,707
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,450,904
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 546,506
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,121,596
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 270,752
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 101,983
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 209,300
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,123,463
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 423,170
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 868,473
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 405,232
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 152,637
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 313,258
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 198,567
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 74,793
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 153,499
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 287,005
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 108,105
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 221,864
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 429,849
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 161,910
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 332,288
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 3,868,645
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,457,186
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 2,990,588

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,862,159
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,831,409
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,758,607
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,344,686
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,013,160
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,131,616
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 5,654,890
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,130,003
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,371,414
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 7,197,431
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 2,711,026
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,563,848
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 69,882
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 26,322
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 54,021
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 439,279
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 165,461
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 339,577
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 213,630
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 80,467
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 165,143
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 520,011
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 195,870
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 401,985
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 7,248
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 2,730
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,603

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2038
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2038
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2038
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2038
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2038
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2038
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	12,518,297
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	12,518,297

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2036
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	20212038
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00 \$ -
BCS	O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Contingency	WACC Discounted	\$	- \$	- \$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00 \$ -
System	Expense Type	Discount Level		2020	20212038
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	- \$ -
System	Expense Type	Discount Level		2020	20212038
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51 \$ -
C2M	O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Contingency	WACC Discounted	\$	- \$	- \$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	- \$ 5,460,927
C2M	Total	WACC Discounted	\$	- \$	839,451.51 \$ 5,460,927.44

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2043
T Value	1	2	3	20
Inflation Factor	100.5%	103.0%	105.6%	163.3%
Discount Factor (Social)	102.0%	104.0%	106.1%	148.6%
Discount Factor (WACC)	107.8%	116.2%	125.3%	449.1%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2037
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 6,515,165
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,276,474
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,937,681
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 27,378
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 9,566
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,749
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 1,030,934
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 360,220
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 781,319
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,223,748
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 427,592
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 927,448
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,282,632
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 448,166
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 972,075
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 305,464
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 106,733
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 231,504
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,704,799
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 595,677
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,292,025
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 9,091
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 3,177
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,890
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 71,973
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 25,148
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 54,547
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 10,102
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 3,530
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,656
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 153,571
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 53,660
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 116,388
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,523,694
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 532,396
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,154,770
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 277,792
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 97,064
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 210,532
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,162,873
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 406,321
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 881,313
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 415,769
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 145,274
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 315,101
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 207,888
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 72,638
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 157,553
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 295,653
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 103,305
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 224,068
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 441,026
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 154,099
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 334,242
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 3,969,230
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,386,895
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 3,008,180
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 4,988,575
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,743,066
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,780,716
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,483,648
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,916,050
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,155,920
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 5,801,917
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 2,027,257
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,397,128
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 7,384,564
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 2,580,253
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,596,577
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 71,699
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 25,052
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 54,339
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 450,700
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 157,480
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 341,574
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 219,184
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 76,585
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 166,114
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2037
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 533,531
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 186,422
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 404,350
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 7,436
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 2,598
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,636

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2037
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2037
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2037
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2037
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2037
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 6,515,165
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,276,474
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,937,681
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 27,378
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 9,566
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,749
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 1,030,934
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 360,220
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 781,319
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,223,748
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 427,592
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 927,448
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,282,632
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 448,166
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 972,075
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 305,464
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 106,733
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 231,504
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,704,799
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 595,677
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,292,025
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 9,091
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 3,177
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,890
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 71,973
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 25,148
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 54,547
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 10,102
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 3,530
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,656
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 153,571
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 53,660
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 116,388
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,523,694
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 532,396
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,154,770
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 277,792
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 97,064
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 210,532
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,162,873
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 406,321
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 881,313
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 415,769
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 145,274
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 315,101
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 207,888
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 72,638
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 157,553
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 295,653
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 103,305
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 224,068
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 441,026
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 154,099
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 334,242
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 3,969,230
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,386,895
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 3,008,180

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2037
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 4,988,575
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,743,066
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,780,716
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,483,648
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,916,050
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,155,920
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 5,801,917
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 2,027,257
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,397,128
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 7,384,564
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 2,580,253
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,596,577
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 71,699
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 25,052
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 54,339
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 450,700
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 157,480
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 341,574
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 219,184
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 76,585
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 166,114
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 533,531
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 186,422
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 404,350
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 7,436
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 2,598
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,636

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2039
BCS	CapEx	Nominal	\$ -	\$ 7,996,524	\$ -
BCS	O&M	Nominal	\$ -	\$ -	\$ -
BCS	Contingency	Nominal	\$ -	\$ -	\$ -
BCS	Ongoing O&M	Nominal	\$ -	\$ -	\$ -
BCS	Total	Nominal	\$ -	\$ 7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2039
CC&B 25.1	CapEx	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	O&M	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	\$ -	\$ -
CC&B 25.1	Total	Nominal	\$ -	\$ -	\$ -

System	Expense Type	Discount Level	2020	2021	2039
C2M	CapEx	Nominal	\$ -	\$ 839,452	\$ -
C2M	O&M	Nominal	\$ -	\$ -	\$ -
C2M	Contingency	Nominal	\$ -	\$ -	\$ -
C2M	Ongoing O&M	Nominal	\$ -	\$ -	\$ 16,847,979
C2M	Total	Nominal	\$ -	\$ 839,452	\$ 16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2039
BCS	CapEx	SRTP Discounted	\$ -	\$ 7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Contingency	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	\$ -	\$ -
BCS	Total	SRTP Discounted	\$ -	\$ 7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2039
CC&B 25.1	CapEx	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	\$ -	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	\$ -	\$ -

System	Expense Type	Discount Level	2020	2021	2039
C2M	CapEx	SRTP Discounted	\$ -	\$ 839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	\$ -	\$ -
C2M	Contingency	SRTP Discounted	\$ -	\$ -	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	\$ -	\$ 12,272,840
C2M	Total	SRTP Discounted	\$ -	\$ 839,452	\$ 12,272,840

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level		2037
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2039
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00 \$	-
BCS	O&M	WACC Discounted	\$	- \$	- \$	-
BCS	Contingency	WACC Discounted	\$	- \$	- \$	-
BCS	Ongoing O&M	WACC Discounted	\$	- \$	- \$	-
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00 \$	-
System	Expense Type	Discount Level		2020	2021	2039
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	- \$	-
CC&B 25.1	O&M	WACC Discounted	\$	- \$	- \$	-
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	- \$	-
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	- \$	-
CC&B 25.1	Total	WACC Discounted	\$	- \$	- \$	-
System	Expense Type	Discount Level		2020	2021	2039
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51 \$	-
C2M	O&M	WACC Discounted	\$	- \$	- \$	-
C2M	Contingency	WACC Discounted	\$	- \$	- \$	-
C2M	Ongoing O&M	WACC Discounted	\$	- \$	- \$	5,065,795
C2M	Total	WACC Discounted	\$	- \$	839,451.51 \$	5,065,795.4

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2044
T Value	1	2	3	21
Inflation Factor	100.5%	103.0%	105.6%	167.6%
Discount Factor (Social)	102.0%	104.0%	106.1%	151.6%
Discount Factor (WACC)	107.8%	116.2%	125.3%	484.2%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2038
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 6,709,880
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,174,870
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,985,539
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 28,090
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 9,105
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,872
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 1,071,236
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 347,219
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 795,944
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,260,322
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 408,507
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 936,437
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,341,503
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 434,821
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 996,757
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 314,594
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 101,969
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 233,748
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,749,124
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 566,943
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,299,625
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 9,328
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 3,023
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,931
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 73,845
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 23,935
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 54,868
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 10,364
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 3,359
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,701
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 157,564
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 51,071
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 117,072
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,597,733
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 517,872
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,187,139
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 285,014
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 92,382
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 211,770
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,203,574
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 390,114
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 894,273
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 426,579
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 138,267
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 316,954
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 217,430
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 70,475
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 161,553
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 304,557
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 98,716
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 226,290
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 452,492
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 146,666
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 336,208
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 4,072,430
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,319,995
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 3,025,875
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,118,278
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,658,985
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,802,956
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,626,222
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,823,625
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,180,366
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 5,952,767
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,929,467
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,422,993
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 7,576,563
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 2,455,788
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,629,498
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 73,563
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 23,844
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 54,658
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 462,418
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 149,883
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 343,584
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 224,883
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 72,891
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 167,091
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2038
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 547,403
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 177,429
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 406,728
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 7,629
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 2,473
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,669

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2038
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2038
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2038
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2038
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2038
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 6,709,880
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,174,870
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,985,539
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 28,090
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 9,105
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,872
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 1,071,236
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 347,219
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 795,944
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,260,322
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 408,507
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 936,437
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,341,503
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 434,821
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 996,757
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 314,594
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 101,969
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 233,748
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,749,124
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 566,943
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,299,625
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 9,328
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 3,023
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,931
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 73,845
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 23,935
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 54,868
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 10,364
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 3,359
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,701
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 157,564
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 51,071
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 117,072
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,597,733
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 517,872
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,187,139
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 285,014
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 92,382
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 211,770
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,203,574
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 390,114
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 894,273
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 426,579
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 138,267
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 316,954
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 217,430
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 70,475
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 161,553
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 304,557
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 98,716
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 226,290
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 452,492
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 146,666
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 336,208
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 4,072,430
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,319,995
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 3,025,875

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2038
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,118,278
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,658,985
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,802,956
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,626,222
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,823,625
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,180,366
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 5,952,767
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,929,467
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,422,993
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 7,576,563
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 2,455,788
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,629,498
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 73,563
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 23,844
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 54,658
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 462,418
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 149,883
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 343,584
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 224,883
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 72,891
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 167,091
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 547,403
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 177,429
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 406,728
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 7,629
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 2,473
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,669

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2040
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2040
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2040
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2040
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2040
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2040
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	12,032,196
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	12,032,196

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2038
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021	2040	
BCS	CapEx	WACC Discounted	\$	-	\$ 7,996,524.00	\$	-
BCS	O&M	WACC Discounted	\$	-	\$ -	\$	-
BCS	Contingency	WACC Discounted	\$	-	\$ -	\$	-
BCS	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$	-
BCS	Total	WACC Discounted	\$	-	\$ 7,996,524.00	\$	-
System	Expense Type	Discount Level		2020	2021	2040	
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$ -	\$	-
CC&B 25.1	O&M	WACC Discounted	\$	-	\$ -	\$	-
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$ -	\$	-
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$	-
CC&B 25.1	Total	WACC Discounted	\$	-	\$ -	\$	-
System	Expense Type	Discount Level		2020	2021	2040	
C2M	CapEx	WACC Discounted	\$	-	\$ 839,451.51	\$	-
C2M	O&M	WACC Discounted	\$	-	\$ -	\$	-
C2M	Contingency	WACC Discounted	\$	-	\$ -	\$	-
C2M	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$	4,699,254
C2M	Total	WACC Discounted	\$	-	\$ 839,451.51	\$	4,699,253.6

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2045
T Value	1	2	3	22
Inflation Factor	100.5%	103.0%	105.6%	172.0%
Discount Factor (Social)	102.0%	104.0%	106.1%	154.6%
Discount Factor (WACC)	107.8%	116.2%	125.3%	521.9%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2039
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 6,910,315
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 2,077,771
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 5,033,790
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 28,821
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 8,666
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 20,994
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 1,114,626
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 335,142
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 811,945
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,297,969
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 390,269
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 945,500
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,401,799
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 421,488
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 1,021,135
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 323,991
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 97,417
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 236,010
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,794,601
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 539,595
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,307,270
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 9,570
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 2,878
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,971
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 75,765
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 22,781
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 55,190
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 10,634
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 3,197
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,746
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 161,661
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 48,608
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 117,761
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,673,128
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 503,071
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,218,783
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 292,425
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 87,925
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 213,016
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,245,605
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 374,524
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 907,356
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 437,670
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 131,597
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 318,819
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 227,202
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 68,314
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 165,504
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 313,724
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 94,329
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 228,531
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 464,257
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 139,591
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 338,186
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 4,178,313
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,256,321
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 3,043,674
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,251,353
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,578,960
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,825,326
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,772,504
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,735,658
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,204,957
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 6,107,539
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,836,395
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,449,011
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 7,773,553
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 2,337,327
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,662,612
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 75,476
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 22,694
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 54,980
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 474,441
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 142,653
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 345,605
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 230,730
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 69,375
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 168,074
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2039
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 561,635
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 168,871
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 409,121
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 7,828
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 2,354
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,702

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2039
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2039
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2039
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2039
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2039
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 6,910,315
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 2,077,771
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 5,033,790
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 28,821
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 8,666
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 20,994
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 1,114,626
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 335,142
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 811,945
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,297,969
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 390,269
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 945,500
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,401,799
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 421,488
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 1,021,135
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 323,991
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 97,417
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 236,010
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,794,601
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 539,595
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,307,270
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 9,570
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 2,878
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,971
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 75,765
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 22,781
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 55,190
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 10,634
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 3,197
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,746
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 161,661
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 48,608
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 117,761
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,673,128
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 503,071
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,218,783
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 292,425
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 87,925
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 213,016
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,245,605
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 374,524
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 907,356
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 437,670
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 131,597
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 318,819
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 227,202
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 68,314
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 165,504
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 313,724
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 94,329
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 228,531
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 464,257
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 139,591
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 338,186
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 4,178,313
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,256,321
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 3,043,674

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2039
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,251,353
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,578,960
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,825,326
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,772,504
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,735,658
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,204,957
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 6,107,539
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,836,395
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,449,011
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 7,773,553
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 2,337,327
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,662,612
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 75,476
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 22,694
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 54,980
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 474,441
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 142,653
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 345,605
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 230,730
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 69,375
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 168,074
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 561,635
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 168,871
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 409,121
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 7,828
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 2,354
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,702

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2041
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2041
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2041
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	16,847,979
C2M	Total	Nominal	\$ - \$	839,452 \$	16,847,979

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2041
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2041
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2041
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	11,796,271
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	11,796,271

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2039
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021	2041	
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2041	
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	\$ -
System	Expense Type	Discount Level		2020	2021	2041	
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	-	\$	-	\$ -
C2M	Contingency	WACC Discounted	\$	-	\$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 4,359,233
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	\$ 4,359,233.41

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2046
T Value	1	2	3	23
Inflation Factor	100.5%	103.0%	105.6%	176.4%
Discount Factor (Social)	102.0%	104.0%	106.1%	157.7%
Discount Factor (WACC)	107.8%	116.2%	125.3%	562.6%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2040
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 7,116,637
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 1,984,979
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 5,082,436
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 29,570
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 8,248
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 21,118
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 1,156,898
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 322,683
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 826,213
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,336,723
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 372,840
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 954,638
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,463,578
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 408,222
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 1,045,233
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 333,665
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 93,066
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 238,291
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,841,261
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 513,566
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,314,960
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 9,819
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 2,739
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 7,012
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 77,734
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 21,682
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 55,515
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 10,910
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 3,043
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,792
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 165,864
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 46,263
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 118,454
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,749,980
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 488,106
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,249,770
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 300,028
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 83,684
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 214,269
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,289,008
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 359,531
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 920,561
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 449,049
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 125,249
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 320,694
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 237,215
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 66,164
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 169,410
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 323,161
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 90,136
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 230,790
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 476,328
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 132,858
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 340,175
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 4,286,949
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,195,720
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 3,061,578
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,387,888
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,502,795
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,847,828
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,922,589
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,651,934
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,229,692
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 6,266,335
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,747,812
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,475,182
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 7,975,666
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 2,224,580
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,695,922
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 77,438
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 21,599
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 55,303
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 486,777
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 135,772
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 347,638
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 236,729
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 66,029
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 169,063
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2040
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 576,238
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 160,725
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 411,528
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 8,031
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 2,240
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,736

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2040
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2040
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2040
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2040
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2040
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 7,116,637
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 1,984,979
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 5,082,436
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 29,570
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 8,248
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 21,118
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 1,156,898
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 322,683
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 826,213
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,336,723
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 372,840
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 954,638
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,463,578
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 408,222
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 1,045,233
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 333,665
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 93,066
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 238,291
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,841,261
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 513,566
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,314,960
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 9,819
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 2,739
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 7,012
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 77,734
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 21,682
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 55,515
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 10,910
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 3,043
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,792
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 165,864
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 46,263
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 118,454
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,749,980
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 488,106
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,249,770
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 300,028
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 83,684
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 214,269
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,289,008
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 359,531
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 920,561
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 449,049
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 125,249
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 320,694
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 237,215
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 66,164
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 169,410
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 323,161
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 90,136
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 230,790
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 476,328
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 132,858
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 340,175
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 4,286,949
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,195,720
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 3,061,578

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2040
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,387,888
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,502,795
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,847,828
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,922,589
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,651,934
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,229,692
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 6,266,335
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,747,812
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,475,182
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 7,975,666
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 2,224,580
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,695,922
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 77,438
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 21,599
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 55,303
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 486,777
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 135,772
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 347,638
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 236,729
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 66,029
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 169,063
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 576,238
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 160,725
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 411,528
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 8,031
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 2,240
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,736

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2042
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2042
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2042
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	15,443,981
C2M	Total	Nominal	\$ - \$	839,452 \$	15,443,981

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2042
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2042
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2042
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	10,601,224
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	10,601,224

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level			2040
Cost Time Series - SRTP Discounted Values							
System	Expense Type	Discount Level		2020	2021		2042
BCS	CapEx	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ -
BCS	Total	WACC Discounted	\$	-	\$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021		2042
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	-	\$	-	\$ -
System	Expense Type	Discount Level		2020	2021		2042
C2M	CapEx	WACC Discounted	\$	-	\$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	-	\$	-	\$ -
C2M	Contingency	WACC Discounted	\$	-	\$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	-	\$	-	\$ 3,706,831
C2M	Total	WACC Discounted	\$	-	\$	839,451.51	\$ 3,706,831.13

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2047
T Value	1	2	3	24
Inflation Factor	100.5%	103.0%	105.6%	181.0%
Discount Factor (Social)	102.0%	104.0%	106.1%	160.8%
Discount Factor (WACC)	107.8%	116.2%	125.3%	606.5%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 7,329,017
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 1,896,304
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 5,131,480
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 30,339
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 7,850
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 21,242
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 1,198,913
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 310,206
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 839,430
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,376,615
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 356,184
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 963,850
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,526,900
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 395,069
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 1,069,073
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 343,622
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 88,908
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 240,590
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,889,134
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 488,793
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,322,695
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 10,074
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 2,607
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 7,054
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 79,756
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 20,636
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 55,842
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 11,194
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 2,896
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,837
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 170,176
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 44,031
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 119,150
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,828,388
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 473,076
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,280,163
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 307,829
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 79,647
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 215,529
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,333,825
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 345,113
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 933,890
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 460,724
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 119,207
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 322,580
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 247,478
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 64,032
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 173,274
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 332,878
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 86,129
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 233,068
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 488,712
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 126,449
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 342,176
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 4,398,410
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 1,138,041
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 3,079,588
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,527,973
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,430,304
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,870,462
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 6,076,577
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,572,249
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,254,572
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 6,429,259
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,663,502
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,501,506
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 8,183,033
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 2,117,272
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,729,427
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 79,451
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 20,557
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 55,629
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 499,433
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 129,223
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 349,683
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 242,884
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 62,844
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 170,057
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 591,220
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 152,972
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 413,948
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 8,240
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 2,132
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,769

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 7,329,017
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 1,896,304
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 5,131,480
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 30,339
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 7,850
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 21,242
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 1,198,913
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 310,206
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 839,430
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,376,615
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 356,184
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 963,850
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,526,900
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 395,069
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 1,069,073
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 343,622
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 88,908
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 240,590
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,889,134
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 488,793
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,322,695
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 10,074
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 2,607
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 7,054
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 79,756
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 20,636
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 55,842
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 11,194
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 2,896
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,837
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 170,176
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 44,031
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 119,150
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,828,388
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 473,076
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,280,163
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 307,829
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 79,647
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 215,529
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,333,825
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 345,113
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 933,890
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 460,724
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 119,207
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 322,580
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 247,478
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 64,032
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 173,274
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 332,878
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 86,129
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 233,068
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 488,712
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 126,449
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 342,176
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 4,398,410
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 1,138,041
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 3,079,588

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,527,973
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,430,304
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,870,462
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 6,076,577
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,572,249
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,254,572
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 6,429,259
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,663,502
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,501,506
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 8,183,033
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 2,117,272
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,729,427
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 79,451
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 20,557
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 55,629
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 499,433
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 129,223
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 349,683
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 242,884
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 62,844
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 170,057
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 591,220
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 152,972
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 413,948
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 8,240
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 2,132
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,769

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2043
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2043
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2043
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	-
C2M	Total	Nominal	\$ - \$	839,452 \$	-

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2043
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2043
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2043
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	-

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2041	
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2043
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Contingency	WACC Discounted	\$	- \$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2043
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	-	\$ -
System	Expense Type	Discount Level		2020	2021	2043
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	- \$	-	\$ -
C2M	Contingency	WACC Discounted	\$	- \$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
C2M	Total	WACC Discounted	\$	- \$	839,451.51	-

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2048
T Value	1	2	3	25
Inflation Factor	100.5%	103.0%	105.6%	185.7%
Discount Factor (Social)	102.0%	104.0%	106.1%	164.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%	653.8%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 6,918,660
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 1,660,602
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 4,749,181
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 28,534
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 6,849
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 19,586
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 1,138,865
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 273,348
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 781,752
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 1,299,537
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 311,912
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 892,042
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 1,459,172
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 350,227
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 1,001,621
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 324,382
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 77,858
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 222,666
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 1,776,730
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 426,447
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 1,219,602
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 9,475
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 2,274
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 6,504
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 75,010
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 18,004
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 51,489
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 10,528
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 2,527
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 7,227
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 160,051
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 38,415
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 109,864
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 1,749,409
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 419,889
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 1,200,848
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 289,513
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 69,488
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 198,730
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 1,265,094
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 303,645
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 868,399
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 433,311
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 104,002
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 297,438
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 236,501
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 56,765
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 162,342
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 314,308
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 75,439
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 215,750
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 459,634
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 110,320
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 315,507
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 4,136,704
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 992,883
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 2,839,561
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,199,059
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,247,867
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,568,794
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 5,715,020
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,371,707
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 3,922,966
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 6,046,718
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 1,451,320
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 4,150,653
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 7,696,143
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 1,847,212
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 5,282,869
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 74,724
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 17,935
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 51,293
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 469,717
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 112,740
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 322,428
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 228,432
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 54,828
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 156,803
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 556,042
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 133,460
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 381,685
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 7,750
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 1,860
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 5,320

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 6,918,660
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 1,660,602
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 4,749,181
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 28,534
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 6,849
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 19,586
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 1,138,865
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 273,348
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 781,752
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 1,299,537
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 311,912
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 892,042
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 1,459,172
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 350,227
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 1,001,621
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 324,382
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 77,858
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 222,666
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 1,776,730
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 426,447
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 1,219,602
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 9,475
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 2,274
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 6,504
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 75,010
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 18,004
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 51,489
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 10,528
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 2,527
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 7,227
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 160,051
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 38,415
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 109,864
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 1,749,409
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 419,889
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 1,200,848
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 289,513
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 69,488
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 198,730
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 1,265,094
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 303,645
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 868,399
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 433,311
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 104,002
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 297,438
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 236,501
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 56,765
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 162,342
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 314,308
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 75,439
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 215,750
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 459,634
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 110,320
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 315,507
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 4,136,704
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 992,883
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 2,839,561

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,199,059
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,247,867
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,568,794
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 5,715,020
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,371,707
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 3,922,966
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 6,046,718
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 1,451,320
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 4,150,653
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 7,696,143
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 1,847,212
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 5,282,869
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 74,724
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 17,935
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 51,293
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 469,717
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 112,740
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 322,428
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 228,432
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 54,828
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 156,803
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 556,042
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 133,460
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 381,685
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 7,750
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 1,860
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 5,320

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2044
BCS	CapEx	Nominal	\$ - \$	7,996,524 \$	-
BCS	O&M	Nominal	\$ - \$	- \$	-
BCS	Contingency	Nominal	\$ - \$	- \$	-
BCS	Ongoing O&M	Nominal	\$ - \$	- \$	-
BCS	Total	Nominal	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2044
CC&B 25.1	CapEx	Nominal	\$ - \$	- \$	-
CC&B 25.1	O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Contingency	Nominal	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	Nominal	\$ - \$	- \$	-
CC&B 25.1	Total	Nominal	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2044
C2M	CapEx	Nominal	\$ - \$	839,452 \$	-
C2M	O&M	Nominal	\$ - \$	- \$	-
C2M	Contingency	Nominal	\$ - \$	- \$	-
C2M	Ongoing O&M	Nominal	\$ - \$	- \$	-
C2M	Total	Nominal	\$ - \$	839,452 \$	-

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2044
BCS	CapEx	SRTP Discounted	\$ - \$	7,996,524 \$	-
BCS	O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Contingency	SRTP Discounted	\$ - \$	- \$	-
BCS	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
BCS	Total	SRTP Discounted	\$ - \$	7,996,524 \$	-

System	Expense Type	Discount Level	2020	2021	2044
CC&B 25.1	CapEx	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Contingency	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
CC&B 25.1	Total	SRTP Discounted	\$ - \$	- \$	-

System	Expense Type	Discount Level	2020	2021	2044
C2M	CapEx	SRTP Discounted	\$ - \$	839,452 \$	-
C2M	O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Contingency	SRTP Discounted	\$ - \$	- \$	-
C2M	Ongoing O&M	SRTP Discounted	\$ - \$	- \$	-
C2M	Total	SRTP Discounted	\$ - \$	839,452 \$	-

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2042	
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2044
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Contingency	WACC Discounted	\$	- \$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2044
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	-	\$ -
System	Expense Type	Discount Level		2020	2021	2044
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	- \$	-	\$ -
C2M	Contingency	WACC Discounted	\$	- \$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-	\$ -
C2M	Total	WACC Discounted	\$	- \$	839,451.51	\$ -

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2049
T Value	1	2	3	26
Inflation Factor	100.5%	103.0%	105.6%	190.5%
Discount Factor (Social)	102.0%	104.0%	106.1%	167.3%
Discount Factor (WACC)	107.8%	116.2%	125.3%	704.8%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLS	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IFS8 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IFS8 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IFS8 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2045
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2045
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2045
C2M	CapEx	Nominal	\$ -	839,452	\$ -
C2M	O&M	Nominal	\$ -	-	\$ -
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ -

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2045
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2045
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2045
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2043	
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2045
BCS	CapEx	WACC Discounted	\$	-	\$ 7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	-	\$ -	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$ -	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
BCS	Total	WACC Discounted	\$	-	\$ 7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2045
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Total	WACC Discounted	\$	-	\$ -	\$ -
System	Expense Type	Discount Level		2020	2021	2045
C2M	CapEx	WACC Discounted	\$	-	\$ 839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	-	\$ -	\$ -
C2M	Contingency	WACC Discounted	\$	-	\$ -	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
C2M	Total	WACC Discounted	\$	-	\$ 839,451.51	\$ -

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026	2050
T Value	1	2	3	27
Inflation Factor	100.5%	103.0%	105.6%	195.5%
Discount Factor (Social)	102.0%	104.0%	106.1%	170.7%
Discount Factor (WACC)	107.8%	116.2%	125.3%	759.8%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
	13 Labor Efficiency - Elimination of IFS8 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IFS8 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IFS8 Review	B.1	Total	Discounted-SRTP	\$ -
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2046
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2046
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2046
C2M	CapEx	Nominal	\$ -	839,452	\$ -
C2M	O&M	Nominal	\$ -	-	\$ -
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ -

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2046
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2046
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2046
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2044
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	20212046
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00 \$ -
BCS	O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Contingency	WACC Discounted	\$	- \$	- \$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00 \$ -
System	Expense Type	Discount Level		2020	20212046
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	- \$ -
System	Expense Type	Discount Level		2020	20212046
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51 \$ -
C2M	O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Contingency	WACC Discounted	\$	- \$	- \$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Total	WACC Discounted	\$	- \$	839,451.51 \$ -

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IFS8 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IFS8 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IFS8 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2047
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2047
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2047
C2M	CapEx	Nominal	\$ -	839,452	\$ -
C2M	O&M	Nominal	\$ -	-	\$ -
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ -

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2047
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2047
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2047
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2045
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	20212047
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00 \$ -
BCS	O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Contingency	WACC Discounted	\$	- \$	- \$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00 \$ -
System	Expense Type	Discount Level		2020	20212047
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	- \$ -
System	Expense Type	Discount Level		2020	20212047
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51 \$ -
C2M	O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Contingency	WACC Discounted	\$	- \$	- \$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Total	WACC Discounted	\$	- \$	839,451.51 \$ -

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLS	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2048
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2048
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2048
C2M	CapEx	Nominal	\$ -	839,452	\$ -
C2M	O&M	Nominal	\$ -	-	\$ -
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ -

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2048
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2048
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2048
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2046	
Cost Time Series - SRTP Discounted Values						
System	Expense Type	Discount Level		2020	2021	2048
BCS	CapEx	WACC Discounted	\$	-	\$ 7,996,524.00	\$ -
BCS	O&M	WACC Discounted	\$	-	\$ -	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$ -	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
BCS	Total	WACC Discounted	\$	-	\$ 7,996,524.00	\$ -
System	Expense Type	Discount Level		2020	2021	2048
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
CC&B 25.1	Total	WACC Discounted	\$	-	\$ -	\$ -
System	Expense Type	Discount Level		2020	2021	2048
C2M	CapEx	WACC Discounted	\$	-	\$ 839,451.51	\$ -
C2M	O&M	WACC Discounted	\$	-	\$ -	\$ -
C2M	Contingency	WACC Discounted	\$	-	\$ -	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	-	\$ -	\$ -
C2M	Total	WACC Discounted	\$	-	\$ 839,451.51	\$ -

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2049
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2049
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2049
C2M	CapEx	Nominal	\$ -	839,452	\$ -
C2M	O&M	Nominal	\$ -	-	\$ -
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ -

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2049
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2049
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2049
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2047
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	20212049
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00 \$ -
BCS	O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Contingency	WACC Discounted	\$	- \$	- \$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00 \$ -
System	Expense Type	Discount Level		2020	20212049
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	- \$ -
System	Expense Type	Discount Level		2020	20212049
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51 \$ -
C2M	O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Contingency	WACC Discounted	\$	- \$	- \$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Total	WACC Discounted	\$	- \$	839,451.51 \$ -

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLS	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	2050
BCS	CapEx	Nominal	\$ -	7,996,524	\$ -
BCS	O&M	Nominal	\$ -	-	\$ -
BCS	Contingency	Nominal	\$ -	-	\$ -
BCS	Ongoing O&M	Nominal	\$ -	-	\$ -
BCS	Total	Nominal	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2050
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ -
CC&B 25.1	O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ -
CC&B 25.1	Total	Nominal	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2050
C2M	CapEx	Nominal	\$ -	839,452	\$ -
C2M	O&M	Nominal	\$ -	-	\$ -
C2M	Contingency	Nominal	\$ -	-	\$ -
C2M	Ongoing O&M	Nominal	\$ -	-	\$ -
C2M	Total	Nominal	\$ -	839,452	\$ -

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	2050
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	\$ -
BCS	O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Contingency	SRTP Discounted	\$ -	-	\$ -
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
BCS	Total	SRTP Discounted	\$ -	7,996,524	\$ -

System	Expense Type	Discount Level	2020	2021	2050
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
CC&B 25.1	Total	SRTP Discounted	\$ -	-	\$ -

System	Expense Type	Discount Level	2020	2021	2050
C2M	CapEx	SRTP Discounted	\$ -	839,452	\$ -
C2M	O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Contingency	SRTP Discounted	\$ -	-	\$ -
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	\$ -
C2M	Total	SRTP Discounted	\$ -	839,452	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2048
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	20212050
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00 \$ -
BCS	O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Contingency	WACC Discounted	\$	- \$	- \$ -
BCS	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00 \$ -
System	Expense Type	Discount Level		2020	20212050
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
CC&B 25.1	Total	WACC Discounted	\$	- \$	- \$ -
System	Expense Type	Discount Level		2020	20212050
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51 \$ -
C2M	O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Contingency	WACC Discounted	\$	- \$	- \$ -
C2M	Ongoing O&M	WACC Discounted	\$	- \$	- \$ -
C2M	Total	WACC Discounted	\$	- \$	839,451.51 \$ -

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate ap
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021
BCS	CapEx	Nominal	\$ -	7,996,524
BCS	O&M	Nominal	\$ -	-
BCS	Contingency	Nominal	\$ -	-
BCS	Ongoing O&M	Nominal	\$ -	-
BCS	Total	Nominal	\$ -	7,996,524

System	Expense Type	Discount Level	2020	2021
CC&B 25.1	CapEx	Nominal	\$ -	-
CC&B 25.1	O&M	Nominal	\$ -	-
CC&B 25.1	Contingency	Nominal	\$ -	-
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-
CC&B 25.1	Total	Nominal	\$ -	-

System	Expense Type	Discount Level	2020	2021
C2M	CapEx	Nominal	\$ -	839,452
C2M	O&M	Nominal	\$ -	-
C2M	Contingency	Nominal	\$ -	-
C2M	Ongoing O&M	Nominal	\$ -	-
C2M	Total	Nominal	\$ -	839,452

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021
BCS	CapEx	SRTP Discounted	\$ -	7,996,524
BCS	O&M	SRTP Discounted	\$ -	-
BCS	Contingency	SRTP Discounted	\$ -	-
BCS	Ongoing O&M	SRTP Discounted	\$ -	-
BCS	Total	SRTP Discounted	\$ -	7,996,524

System	Expense Type	Discount Level	2020	2021
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-
CC&B 25.1	O&M	SRTP Discounted	\$ -	-
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-
CC&B 25.1	Total	SRTP Discounted	\$ -	-

System	Expense Type	Discount Level	2020	2021
C2M	CapEx	SRTP Discounted	\$ -	839,452
C2M	O&M	SRTP Discounted	\$ -	-
C2M	Contingency	SRTP Discounted	\$ -	-
C2M	Ongoing O&M	SRTP Discounted	\$ -	-
C2M	Total	SRTP Discounted	\$ -	839,452

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2049
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	2021
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00
BCS	O&M	WACC Discounted	\$	- \$	-
BCS	Contingency	WACC Discounted	\$	- \$	-
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00
System	Expense Type	Discount Level		2020	2021
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-
CC&B 25.1	Total	WACC Discounted	\$	- \$	-
System	Expense Type	Discount Level		2020	2021
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51
C2M	O&M	WACC Discounted	\$	- \$	-
C2M	Contingency	WACC Discounted	\$	- \$	-
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-
C2M	Total	WACC Discounted	\$	- \$	839,451.51

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ -
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ -
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ -
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ -
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ -
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ -
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ -
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ -
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ -
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ -
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ -
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ -
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ -
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ -
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ -
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ -
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ -
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ -
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ -
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ -
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ -
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ -
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ -
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ -
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ -

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ -

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021
BCS	CapEx	Nominal	\$ -	7,996,524
BCS	O&M	Nominal	\$ -	-
BCS	Contingency	Nominal	\$ -	-
BCS	Ongoing O&M	Nominal	\$ -	-
BCS	Total	Nominal	\$ -	7,996,524

System	Expense Type	Discount Level	2020	2021
CC&B 25.1	CapEx	Nominal	\$ -	-
CC&B 25.1	O&M	Nominal	\$ -	-
CC&B 25.1	Contingency	Nominal	\$ -	-
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-
CC&B 25.1	Total	Nominal	\$ -	-

System	Expense Type	Discount Level	2020	2021
C2M	CapEx	Nominal	\$ -	839,452
C2M	O&M	Nominal	\$ -	-
C2M	Contingency	Nominal	\$ -	-
C2M	Ongoing O&M	Nominal	\$ -	-
C2M	Total	Nominal	\$ -	839,452

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021
BCS	CapEx	SRTP Discounted	\$ -	7,996,524
BCS	O&M	SRTP Discounted	\$ -	-
BCS	Contingency	SRTP Discounted	\$ -	-
BCS	Ongoing O&M	SRTP Discounted	\$ -	-
BCS	Total	SRTP Discounted	\$ -	7,996,524

System	Expense Type	Discount Level	2020	2021
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-
CC&B 25.1	O&M	SRTP Discounted	\$ -	-
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-
CC&B 25.1	Total	SRTP Discounted	\$ -	-

System	Expense Type	Discount Level	2020	2021
C2M	CapEx	SRTP Discounted	\$ -	839,452
C2M	O&M	SRTP Discounted	\$ -	-
C2M	Contingency	SRTP Discounted	\$ -	-
C2M	Ongoing O&M	SRTP Discounted	\$ -	-
C2M	Total	SRTP Discounted	\$ -	839,452

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	2050
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	2021
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00
BCS	O&M	WACC Discounted	\$	- \$	-
BCS	Contingency	WACC Discounted	\$	- \$	-
BCS	Ongoing O&M	WACC Discounted	\$	- \$	-
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00
System	Expense Type	Discount Level		2020	2021
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	-
CC&B 25.1	O&M	WACC Discounted	\$	- \$	-
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	-
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	-
CC&B 25.1	Total	WACC Discounted	\$	- \$	-
System	Expense Type	Discount Level		2020	2021
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51
C2M	O&M	WACC Discounted	\$	- \$	-
C2M	Contingency	WACC Discounted	\$	- \$	-
C2M	Ongoing O&M	WACC Discounted	\$	- \$	-
C2M	Total	WACC Discounted	\$	- \$	839,451.51

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level
	1 Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP
	2 Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP
	3 Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP
	4 Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP
	5 Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP
	6 O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP
	7 Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP
	8 Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP
	9 Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP
	10 Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP
	11 Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP
	12 Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP
	13 Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP
	14 Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP
	15 Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP
	16 Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP
	17 Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP
	18 Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP
	19 Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP
	20 Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP
	21 Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP
	22 O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP
	23 O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP
	24 Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP
	25 Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP
	26 Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP
	27 Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP
	28 Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Nominal
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-WACC
4	Labor Efficiency - Reduction in PSSTLs	B.1	CC&B 25.1	Discounted-SRTP
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021
BCS	CapEx	Nominal	\$ -	7,996,524
BCS	O&M	Nominal	\$ -	-
BCS	Contingency	Nominal	\$ -	-
BCS	Ongoing O&M	Nominal	\$ -	-
BCS	Total	Nominal	\$ -	7,996,524

System	Expense Type	Discount Level	2020	2021
CC&B 25.1	CapEx	Nominal	\$ -	-
CC&B 25.1	O&M	Nominal	\$ -	-
CC&B 25.1	Contingency	Nominal	\$ -	-
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-
CC&B 25.1	Total	Nominal	\$ -	-

System	Expense Type	Discount Level	2020	2021
C2M	CapEx	Nominal	\$ -	839,452
C2M	O&M	Nominal	\$ -	-
C2M	Contingency	Nominal	\$ -	-
C2M	Ongoing O&M	Nominal	\$ -	-
C2M	Total	Nominal	\$ -	839,452

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021
BCS	CapEx	SRTP Discounted	\$ -	7,996,524
BCS	O&M	SRTP Discounted	\$ -	-
BCS	Contingency	SRTP Discounted	\$ -	-
BCS	Ongoing O&M	SRTP Discounted	\$ -	-
BCS	Total	SRTP Discounted	\$ -	7,996,524

System	Expense Type	Discount Level	2020	2021
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-
CC&B 25.1	O&M	SRTP Discounted	\$ -	-
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-
CC&B 25.1	Total	SRTP Discounted	\$ -	-

System	Expense Type	Discount Level	2020	2021
C2M	CapEx	SRTP Discounted	\$ -	839,452
C2M	O&M	SRTP Discounted	\$ -	-
C2M	Contingency	SRTP Discounted	\$ -	-
C2M	Ongoing O&M	SRTP Discounted	\$ -	-
C2M	Total	SRTP Discounted	\$ -	839,452

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	2021
BCS	CapEx	WACC Discounted	\$	-	\$ 7,996,524.00
BCS	O&M	WACC Discounted	\$	-	\$ -
BCS	Contingency	WACC Discounted	\$	-	\$ -
BCS	Ongoing O&M	WACC Discounted	\$	-	\$ -
BCS	Total	WACC Discounted	\$	-	\$ 7,996,524.00
System	Expense Type	Discount Level		2020	2021
CC&B 25.1	CapEx	WACC Discounted	\$	-	\$ -
CC&B 25.1	O&M	WACC Discounted	\$	-	\$ -
CC&B 25.1	Contingency	WACC Discounted	\$	-	\$ -
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	-	\$ -
CC&B 25.1	Total	WACC Discounted	\$	-	\$ -
System	Expense Type	Discount Level		2020	2021
C2M	CapEx	WACC Discounted	\$	-	\$ 839,451.51
C2M	O&M	WACC Discounted	\$	-	\$ -
C2M	Contingency	WACC Discounted	\$	-	\$ -
C2M	Ongoing O&M	WACC Discounted	\$	-	\$ -
C2M	Total	WACC Discounted	\$	-	\$ 839,451.51

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereaf
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Nominal	\$ 82,530,374
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-WACC	\$ 31,548,881
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	Total	Discounted-SRTP	\$ 63,556,883
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Nominal	\$ 347,674
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-WACC	\$ 133,415
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	Total	Discounted-SRTP	\$ 268,017
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Nominal	\$ 12,865,052
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-WACC	\$ 4,852,690
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	Total	Discounted-SRTP	\$ 9,873,466
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Nominal	\$ 15,501,740
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-WACC	\$ 5,925,849
4	Labor Efficiency - Reduction in PSSTLs	B.1	Total	Discounted-SRTP	\$ 11,937,935
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Nominal	\$ 15,983,903
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-WACC	\$ 5,999,222
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	Total	Discounted-SRTP	\$ 12,250,699
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Nominal	\$ 3,868,443
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-WACC	\$ 1,478,533
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	Total	Discounted-SRTP	\$ 2,978,981
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Nominal	\$ 25,092,035
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-WACC	\$ 10,679,955
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	Total	Discounted-SRTP	\$ 19,808,476
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Nominal	\$ 115,480
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-WACC	\$ 44,322
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	Total	Discounted-SRTP	\$ 89,026
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Nominal	\$ 1,107,890
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-WACC	\$ 487,251
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	Total	Discounted-SRTP	\$ 881,248
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Nominal	\$ 128,312
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-WACC	\$ 49,246
10	Labor Efficiency - Reduced Complex billing requirements	B.1	Total	Discounted-SRTP	\$ 98,918
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Nominal	\$ 1,948,085
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-WACC	\$ 747,021
11	Labor Efficiency - Reduction in BITTS volume	B.1	Total	Discounted-SRTP	\$ 1,501,507
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Nominal	\$ 21,875,019
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-WACC	\$ 9,156,068
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	Total	Discounted-SRTP	\$ 17,180,664
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Nominal	\$ 4,276,067
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-WACC	\$ 1,880,616
13	Labor Efficiency - Elimination of IF58 Review	B.1	Total	Discounted-SRTP	\$ 3,401,309
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Nominal	\$ 14,677,406
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-WACC	\$ 5,580,928
14	Labor Efficiency - Automation of Medical Application Processing	B.2	Total	Discounted-SRTP	\$ 11,287,288
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Nominal	\$ 5,281,175
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-WACC	\$ 2,026,933
15	Labor Efficiency - Reduction in Call Volume	B.3	Total	Discounted-SRTP	\$ 4,071,348
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Nominal	\$ 2,590,655
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-WACC	\$ 972,348
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	Total	Discounted-SRTP	\$ 1,985,581
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Nominal	\$ 3,744,557
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-WACC	\$ 1,431,092
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	Total	Discounted-SRTP	\$ 2,883,514
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 5,502,388
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 2,090,841
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 4,231,830
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Nominal	\$ 49,521,489
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-WACC	\$ 18,817,567
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	Total	Discounted-SRTP	\$ 38,086,467
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 63,365,872
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 24,320,035
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 48,849,838
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Nominal	\$ 69,654,384
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-WACC	\$ 26,733,587
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 53,697,760
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Nominal	\$ 73,697,103
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-WACC	\$ 28,285,196
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	Total	Discounted-SRTP	\$ 56,814,361
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Nominal	\$ 93,800,205
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-WACC	\$ 36,000,835
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	Total	Discounted-SRTP	\$ 72,312,188
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Nominal	\$ 1,090,148
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-WACC	\$ 474,603
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	Total	Discounted-SRTP	\$ 865,150
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Nominal	\$ 421,580
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-WACC	\$ 268,638
25	Labor Efficiency - Reduce IT Training Costs	IT.7	Total	Discounted-SRTP	\$ 374,351
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Nominal	\$ 5,724,882
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-WACC	\$ 2,197,229
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	Total	Discounted-SRTP	\$ 4,413,410
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Nominal	\$ 2,784,120
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-WACC	\$ 1,068,555
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	Total	Discounted-SRTP	\$ 2,146,326
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 1,088,821

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 575,680
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 919,783
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Nominal	\$ 9,799,385
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-WACC	\$ 5,181,122
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	Total	Discounted-SRTP	\$ 8,278,047
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Nominal	\$ 7,877,903
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-WACC	\$ 3,362,451
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	Total	Discounted-SRTP	\$ 6,222,920
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Nominal	\$ 94,455
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-WACC	\$ 36,252
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	Total	Discounted-SRTP	\$ 72,817

BCS Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	BCS	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	BCS	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	BCS	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLs	B.1	BCS	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	BCS	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	BCS	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Nominal	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-WACC	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	BCS	Discounted-SRTP	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	BCS	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Nominal	\$ 193,670
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-WACC	\$ 136,370
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	BCS	Discounted-SRTP	\$ 176,460
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	BCS	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	BCS	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Nominal	\$ 2,990,396
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-WACC	\$ 2,096,866
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	BCS	Discounted-SRTP	\$ 2,721,687
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Nominal	\$ 747,499
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-WACC	\$ 526,340
13	Labor Efficiency - Elimination of IF58 Review	B.1	BCS	Discounted-SRTP	\$ 681,075
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	BCS	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	BCS	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	BCS	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	BCS	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	BCS	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-WACC	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	BCS	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	BCS	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Nominal	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-WACC	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	BCS	Discounted-SRTP	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Nominal	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	BCS	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	BCS	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	BCS	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	BCS	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Nominal	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-WACC	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	BCS	Discounted-SRTP	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	BCS	Discounted-SRTP	\$ -

CC&B 25.1 Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Nominal	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Nominal	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-WACC	\$ -
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	CC&B 25.1	Discounted-SRTP	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Nominal	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-WACC	\$ -
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	CC&B 25.1	Discounted-SRTP	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	CC&B 25.1	Nominal	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	CC&B 25.1	Discounted-WACC	\$ -
4	Labor Efficiency - Reduction in PSSTLS	B.1	CC&B 25.1	Discounted-SRTP	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Nominal	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-WACC	\$ -
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Nominal	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-WACC	\$ -
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	CC&B 25.1	Discounted-SRTP	\$ -
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Nominal	\$ 3,437,333
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-WACC	\$ 2,368,807
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	CC&B 25.1	Discounted-SRTP	\$ 3,114,495
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Nominal	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Nominal	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-WACC	\$ -
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	CC&B 25.1	Discounted-SRTP	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Nominal	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-WACC	\$ -
10	Labor Efficiency - Reduced Complex billing requirements	B.1	CC&B 25.1	Discounted-SRTP	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Nominal	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-WACC	\$ -
11	Labor Efficiency - Reduction in BITTS volume	B.1	CC&B 25.1	Discounted-SRTP	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Nominal	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-WACC	\$ -
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	CC&B 25.1	Discounted-SRTP	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Nominal	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-WACC	\$ -
13	Labor Efficiency - Elimination of IF58 Review	B.1	CC&B 25.1	Discounted-SRTP	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Nominal	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-WACC	\$ -
14	Labor Efficiency - Automation of Medical Application Processing	B.2	CC&B 25.1	Discounted-SRTP	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Nominal	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-WACC	\$ -
15	Labor Efficiency - Reduction in Call Volume	B.3	CC&B 25.1	Discounted-SRTP	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Nominal	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-WACC	\$ -
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	CC&B 25.1	Discounted-SRTP	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Nominal	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-WACC	\$ -
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	CC&B 25.1	Discounted-SRTP	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Nominal	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-WACC	\$ -
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	CC&B 25.1	Discounted-SRTP	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Nominal	\$ -
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-WACC	\$ -

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	CC&B 25.1	Discounted-SRTP	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Nominal	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-WACC	\$ -
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	CC&B 25.1	Discounted-SRTP	\$ -
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Nominal	\$ 179,416
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-WACC	\$ 125,061
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	CC&B 25.1	Discounted-SRTP	\$ 163,051
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Nominal	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-WACC	\$ -
25	Labor Efficiency - Reduce IT Training Costs	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Nominal	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-WACC	\$ -
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	CC&B 25.1	Discounted-SRTP	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Nominal	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-WACC	\$ -
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	CC&B 25.1	Discounted-SRTP	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Nominal	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-WACC	\$ -
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	CC&B 25.1	Discounted-SRTP	\$ -
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Nominal	\$ 1,100,885
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-WACC	\$ 761,409
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	CC&B 25.1	Discounted-SRTP	\$ 998,400
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Nominal	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-WACC	\$ -
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	CC&B 25.1	Discounted-SRTP	\$ -

C2M Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Nominal	\$ 82,530,374
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-WACC	\$ 31,548,881
1	Labor Efficiency - Reduction in Interval Delayed Bill Exceptions	B.1	C2M	Discounted-SRTP	\$ 63,556,883
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Nominal	\$ 347,674
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-WACC	\$ 133,415
2	Labor Efficiency - Reduction in FA Upload Errors	B.1	C2M	Discounted-SRTP	\$ 268,017
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Nominal	\$ 12,865,052
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-WACC	\$ 4,852,690
3	Labor Efficiency - Reduction in NEM Set-ups	B.1	C2M	Discounted-SRTP	\$ 9,873,466
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Nominal	\$ 15,501,740
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-WACC	\$ 5,925,849
4	Labor Efficiency - Reduction in PSSTLs	B.1	C2M	Discounted-SRTP	\$ 11,937,935
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Nominal	\$ 15,983,903
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-WACC	\$ 5,999,222
5	Labor Efficiency - Automation of Third Party Delayed Bill Processing	B.1	C2M	Discounted-SRTP	\$ 12,250,699
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Nominal	\$ 3,868,443
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-WACC	\$ 1,478,533
6	O&M Reduction - Reduction in Volume of QAS8 Bill Credits	B.1	C2M	Discounted-SRTP	\$ 2,978,981
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Nominal	\$ 21,654,702
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-WACC	\$ 8,311,147
7	Labor Efficiency - Reduced AHT of DCR Requests	B.1	C2M	Discounted-SRTP	\$ 16,693,981
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Nominal	\$ 115,480
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-WACC	\$ 44,322
8	Labor Efficiency - Reduced Complex Billing Rates Testing	B.1	C2M	Discounted-SRTP	\$ 89,026
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Nominal	\$ 914,220
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-WACC	\$ 350,881
9	Labor Efficiency - Reduced AHT of Complex Billing Rate Value Testing	B.1	C2M	Discounted-SRTP	\$ 704,788
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Nominal	\$ 128,312
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-WACC	\$ 49,246
10	Labor Efficiency - Reduced Complex billing requirements	B.1	C2M	Discounted-SRTP	\$ 98,918
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Nominal	\$ 1,948,085
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-WACC	\$ 747,021
11	Labor Efficiency - Reduction in BITTS volume	B.1	C2M	Discounted-SRTP	\$ 1,501,507
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Nominal	\$ 18,884,623
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-WACC	\$ 7,059,202
12	Labor Efficiency - Reduced volume of manually resolved complex billing exceptions	B.1	C2M	Discounted-SRTP	\$ 14,458,977
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Nominal	\$ 3,528,568
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-WACC	\$ 1,354,276
13	Labor Efficiency - Elimination of IF58 Review	B.1	C2M	Discounted-SRTP	\$ 2,720,233
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Nominal	\$ 14,677,406
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-WACC	\$ 5,580,928
14	Labor Efficiency - Automation of Medical Application Processing	B.2	C2M	Discounted-SRTP	\$ 11,287,288
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Nominal	\$ 5,281,175
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-WACC	\$ 2,026,933
15	Labor Efficiency - Reduction in Call Volume	B.3	C2M	Discounted-SRTP	\$ 4,071,348
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Nominal	\$ 2,590,655
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-WACC	\$ 972,348
16	Labor Efficiency - Reduction in Write-Off Process Errors	B.4	C2M	Discounted-SRTP	\$ 1,985,581
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Nominal	\$ 3,744,557
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-WACC	\$ 1,431,092
17	Labor Efficiency - Reduction in Debit / Credit Adjustments	B.4	C2M	Discounted-SRTP	\$ 2,883,514
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 5,502,388
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 2,090,841
18	Labor Efficiency - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 4,231,830
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Nominal	\$ 49,521,489
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-WACC	\$ 18,817,567
19	Capital Costs - Reduction in Cost to Implement Future Projects	IT.4	C2M	Discounted-SRTP	\$ 38,086,467

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 63,365,872
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 24,320,035
20	Labor Efficiency - Eliminate IT Support Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 48,849,838
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Nominal	\$ 69,654,384
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 26,733,587
21	Capital Costs - Eliminate Capital Costs for Retired Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 53,697,760
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Nominal	\$ 73,697,103
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-WACC	\$ 28,285,196
22	O&M Reduction - Reduce Licensure Spend Supporting Legacy Systems	IT.1	C2M	Discounted-SRTP	\$ 56,814,361
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Nominal	\$ 93,800,205
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-WACC	\$ 36,000,835
23	O&M Reduction - Reduce MSP Spend Supporting Legacy Systems	IT.5	C2M	Discounted-SRTP	\$ 72,312,188
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Nominal	\$ 910,732
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-WACC	\$ 349,542
24	Labor Efficiency - Reduce Unplanned CIS System Downtime	IT.6	C2M	Discounted-SRTP	\$ 702,099
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Nominal	\$ 421,580
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-WACC	\$ 268,638
25	Labor Efficiency - Reduce IT Training Costs	IT.7	C2M	Discounted-SRTP	\$ 374,351
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Nominal	\$ 5,724,882
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-WACC	\$ 2,197,229
26	Labor Efficiency - Reduce Volume of IT Systems Access Review	IT.7	C2M	Discounted-SRTP	\$ 4,413,410
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Nominal	\$ 2,784,120
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-WACC	\$ 1,068,555
27	Labor Efficiency - Avoid Future Legacy Maintenance Cost Increases	IT.2	C2M	Discounted-SRTP	\$ 2,146,326
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 1,088,821
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 575,680
28	Labor Efficiency - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 919,783
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Nominal	\$ 9,799,385
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-WACC	\$ 5,181,122
29	Capital Costs - Reduction in Cost to Implement Rate Backlog	IT.3	C2M	Discounted-SRTP	\$ 8,278,047
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Nominal	\$ 6,777,018
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-WACC	\$ 2,601,042
30	Labor Efficiency - Reduction in Volume of DCRs (SMOC)	IT.8	C2M	Discounted-SRTP	\$ 5,224,520
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Nominal	\$ 94,455
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-WACC	\$ 36,252
31	Labor Efficiency - Reduce Volume of IT Systems Access Requests	IT.7	C2M	Discounted-SRTP	\$ 72,817

Cost Time Series - Nominal Values

System	Expense Type	Discount Level	2020	2021	Total
BCS	CapEx	Nominal	\$ -	7,996,524	#####
BCS	O&M	Nominal	\$ -	-	\$ 3,400,000.00
BCS	Contingency	Nominal	\$ -	-	\$ 7,900,000.00
BCS	Ongoing O&M	Nominal	\$ -	-	\$ 17,666,666.67
BCS	Total	Nominal	\$ -	7,996,524	#####

System	Expense Type	Discount Level	2020	2021	Total
CC&B 25.1	CapEx	Nominal	\$ -	-	\$ 91,172,117.60
CC&B 25.1	O&M	Nominal	\$ -	-	\$ 8,533,710.57
CC&B 25.1	Contingency	Nominal	\$ -	-	\$ 27,820,000.00
CC&B 25.1	Ongoing O&M	Nominal	\$ -	-	\$ 61,407,679.07
CC&B 25.1	Total	Nominal	\$ -	-	#####

System	Expense Type	Discount Level	2020	2021	Total
C2M	CapEx	Nominal	\$ -	839,452	#####
C2M	O&M	Nominal	\$ -	-	\$ 80,112,144.20
C2M	Contingency	Nominal	\$ -	-	\$ 49,000,000.00
C2M	Ongoing O&M	Nominal	\$ -	-	#####
C2M	Total	Nominal	\$ -	839,452	#####

Cost Time Series - SRTP Discounted Values

System	Expense Type	Discount Level	2020	2021	Total
BCS	CapEx	SRTP Discounted	\$ -	7,996,524	#####
BCS	O&M	SRTP Discounted	\$ -	-	\$ 3,287,197.23
BCS	Contingency	SRTP Discounted	\$ -	-	\$ 7,593,233.37
BCS	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 16,265,826.91
BCS	Total	SRTP Discounted	\$ -	7,996,524	#####

System	Expense Type	Discount Level	2020	2021	Total
CC&B 25.1	CapEx	SRTP Discounted	\$ -	-	\$ 87,126,832.27
CC&B 25.1	O&M	SRTP Discounted	\$ -	-	\$ 8,106,576.99
CC&B 25.1	Contingency	SRTP Discounted	\$ -	-	\$ 26,501,393.60
CC&B 25.1	Ongoing O&M	SRTP Discounted	\$ -	-	\$ 55,980,639.20
CC&B 25.1	Total	SRTP Discounted	\$ -	-	#####

System	Expense Type	Discount Level	2020	2021	Total
C2M	CapEx	SRTP Discounted	\$ -	839,452	#####
C2M	O&M	SRTP Discounted	\$ -	-	\$ 72,216,136.13
C2M	Contingency	SRTP Discounted	\$ -	-	\$ 44,104,359.30
C2M	Ongoing O&M	SRTP Discounted	\$ -	-	#####
C2M	Total	SRTP Discounted	\$ -	839,452	#####

Total Benefits Time Series

Benefit ID	Benefit Name	Benefit Category	System	Discount Level	Total
Cost Time Series - SRTP Discounted Values					
System	Expense Type	Discount Level		2020	2021Total
BCS	CapEx	WACC Discounted	\$	- \$	7,996,524.00 #####
BCS	O&M	WACC Discounted	\$	- \$	- \$ 2,992,898.96
BCS	Contingency	WACC Discounted	\$	- \$	- \$ 6,798,131.63
BCS	Ongoing O&M	WACC Discounted	\$	- \$	- \$ 12,960,223.47
BCS	Total	WACC Discounted	\$	- \$	7,996,524.00 #####
System	Expense Type	Discount Level		2020	2021Total
CC&B 25.1	CapEx	WACC Discounted	\$	- \$	- \$ 76,819,997.02
CC&B 25.1	O&M	WACC Discounted	\$	- \$	- \$ 7,027,088.47
CC&B 25.1	Contingency	WACC Discounted	\$	- \$	- \$ 23,152,390.65
CC&B 25.1	Ongoing O&M	WACC Discounted	\$	- \$	- \$ 43,326,831.43
CC&B 25.1	Total	WACC Discounted	\$	- \$	- #####
System	Expense Type	Discount Level		2020	2021Total
C2M	CapEx	WACC Discounted	\$	- \$	839,451.51 #####
C2M	O&M	WACC Discounted	\$	- \$	- \$ 54,410,612.57
C2M	Contingency	WACC Discounted	\$	- \$	- \$ 32,925,804.11
C2M	Ongoing O&M	WACC Discounted	\$	- \$	- \$ 86,352,603.21
C2M	Total	WACC Discounted	\$	- \$	839,451.51 #####

Key Assumptions

#	Category	Assumption
1	System Go-Live Dates	All benefits and costs assume BCS go-live of 7/25, CC&B 25.1 go-live of 10/26, and C2M go-live of 12/29
2	Benefits duration	Benefits presumed to last 13 years after go-live date of the relevant system
3	Benefits duration	All BCS & CC&B 25.1 benefits are presumed to be subsumed into C2M as of the go-live date of 12/29
4	Cash flow projections	Relevant cash flows are pro-rated in initial and final year of asset lives to reflect appropriate month of go-li
5	Discounting	All benefits and costs that take place after 2023 are discounted back to base year 2023
6	Discounting	Social Rate of Time Preference (SRTP) defined as 2%, PG&E WACC defined as 7.8%.
7	Inflation	Inflation curves are based on PG&E finance team estimates
8	Labor Rates	All labor rates outside of Call Center are set to fully loaded labor rate (inclusive of overheads); call center la
9	Contingency	Cost contingency rates are derived from aggregate numbers (in the case of BCS and C2M) or a flat rate app
10	Contingency	Cost contingencies do not reflect ongoing costs of operation
11	Costs	Costs through June 2024 are represented by actual costs born by PG&E, with projections provided thereof
12	AFUDC	AFUDC costs are included in cost projections & overall cost benefit ratios
13	Social Rate of Time Preference (SRTP) Discount Rate	2.00%
14	Weighted Average Cost of Capital (WACC) Discount Rate	7.80%

Discount and Inflation Factor Time Series

Year	2024	2025	2026
T Value	1	2	3
Inflation Factor	100.5%	103.0%	105.6%
Discount Factor (Social)	102.0%	104.0%	106.1%
Discount Factor (WACC)	107.8%	116.2%	125.3%

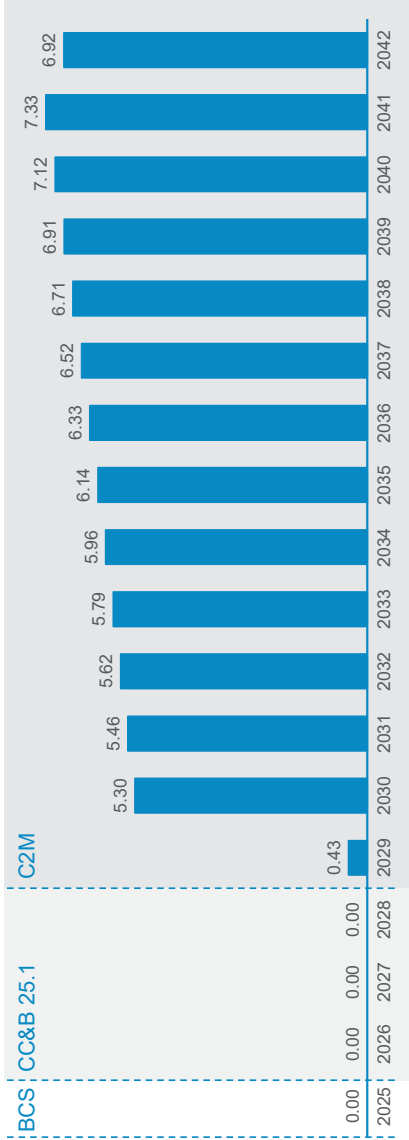
**Billing Modernization Initiative
Workpapers Supporting Chapter 6, Description of Cost-Benefit
Analysis
Cost-Benefit Analysis Workpaper
WP 6-2**



1 | Reduction in Interval Delayed Bill Exceptions

Category	Total Value (Undiscounted)
B.1	\$82,530,374

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As the volume of interval billing customers has increased, the volume of data has risen substantially due to increase from ~2 reads per month under subtractive billing to 720 to 2,880 (hourly vs 15-minute interval) reads per interval billed customer. This has given rise to a significant labor expense to process and resolve missing data to prevent billing delays.	Benefit enabled by integration of MDM into core C2M platform.

WP 6-201

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

Calculation Methodology	
Volume of Annual Interval Delayed Bill Exceptions	128,289
x % Reduction in Delayed Bill Exceptions	44%
x AHT – Interval Delayed Bill Exceptions	1.02 hr.
x Hourly Billing Operations Labor Rate	\$76.26
= Annual Labor Efficiency Benefit	\$4.41 M

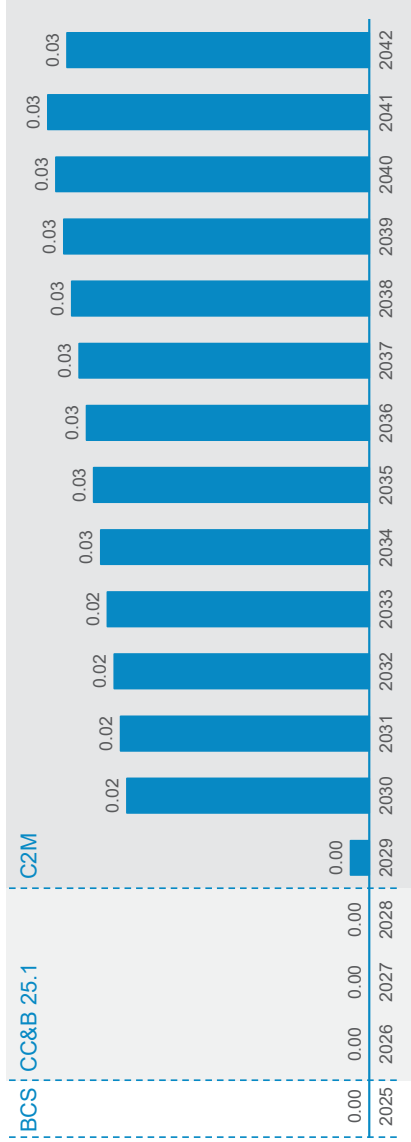
Assumptions and Notes	
<ul style="list-style-type: none">Baseline benefit value has been developed on the basis of 2023 exceptions volume and handle time, which are presumed to be accurate reflections of future trends.A growth rate of 0.4% has been applied, as baseline exceptions volume is presumed to grow in-line with electric customer volume.Expected reduction of 44% based on PG&E and Utiligent analysisAverage handle time presumed to remain constant.Hourly labor rate presumed to grow in-line with inflation in forecast period.Benefit presumed to be enabled by C2M or equivalent future-state platform.	



2 | Reduction in FA Upload Errors

Category	Total Value (Undiscounted)
B.1	\$347,674

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	95%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
FA Upload Errors may be the result of many factors; however, ~8.2% result from field technicians selecting the wrong completion codes or incorrect service types while performing billing related field work. By consolidating the volume of service types, the volume of completion codes is inherently reduced, simplifying a complex system for field technicians to navigate and reducing the tendency to select incorrect codes.	Benefit enabled during C2M upgrade with consolidation of codes.

WP 6-202

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

Calculation Methodology	
Volume of FA Upload Errors Per Year	13,222
X % Reduction in FA Upload Errors	8.2%
X AHT – FA Upload Errors	0.24 hr.
X Hourly Billing Operations Labor Rate	\$76.26
= Annual Labor Efficiency Benefit	\$0.02 M

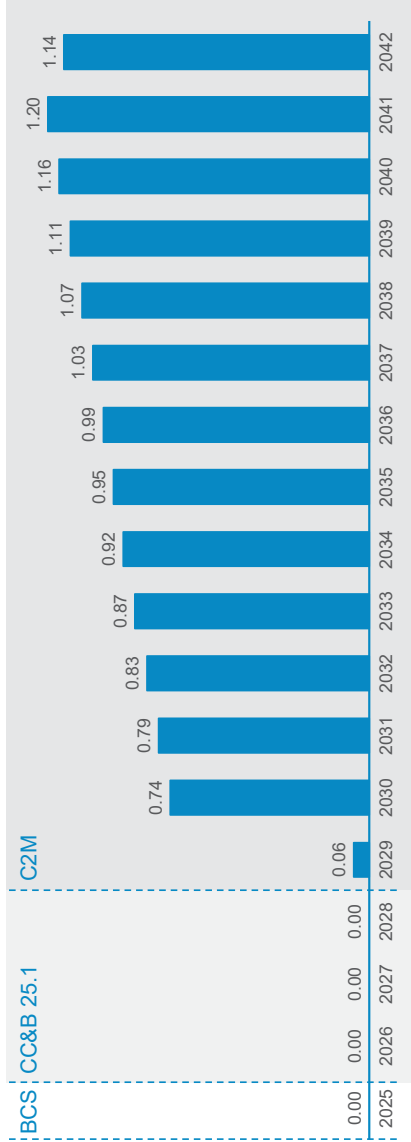
Assumptions and Notes	
•	Baseline benefit value has been developed using 2023 error volume and handle time, which are presumed to be an accurate reflection of future trends.
•	A growth rate of 0% has been applied, as baseline volume is not expected to be correlated with customer growth, based on volatility of historical values, and is therefore presumed to remain constant
•	Marginal dampening of realization in Year 1 due to field technician learning effects.
•	Expected reduction of 8.2% based on proportion of upload errors that are “wrong completion code” or “metering / SP configuration” errors
•	Average handle time presumed to remain constant.
•	Hourly labor rate presumed to grow in-line with inflation in forecast period.
•	Benefit presumed to be enabled alongside C2M or equivalent future-state platform.



3 | Reduction in NEM Setups

Category	Total Value (Undiscounted)
B.1	\$12,865,052

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
Currently, Net Energy Metering (NEM) has its own distinct Service Agreement (SA) type, which results in the need to set up a separate SA for these customers. By consolidating SA types and rates, and by converting NEM programs into a rider attached to the existing SA, the need to perform separate setups will be removed and account maintenance work will be reduced.	Consolidation of SA types; reconfigure NEM customer program into a rider on existing SA types.

WP 6-203

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

Calculation Methodology	
Volume of 8060 Work Items Per Year	6,424
X % Reduction in 8060 Work Items Per Year	100%
X AHT – 8060 Work Items	0.67 hr.
X Hourly Billing Operations Labor Rate	\$76.26
= Annual Labor Efficiency Benefit	\$0.327 M

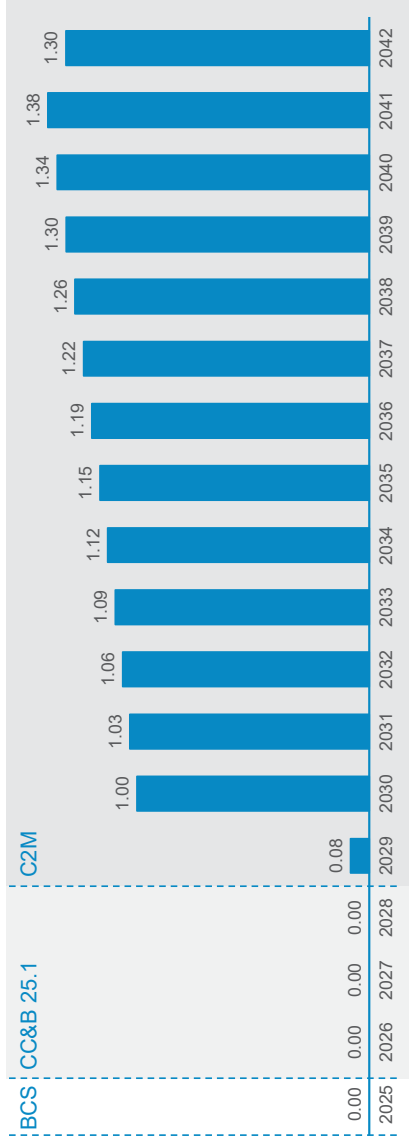
Assumptions and Notes	
•	Baseline benefit value has been developed on the basis of 2023 work-item volume and handle time, which are presumed to be accurate reflection of future trends.
•	An average growth rate of 6.4% (averaged) has been applied, as baseline volume is expected to be correlated with solar customer growth; this growth rate is significantly higher from 2025-35 before tapering to ~3%.
•	100% reduction in distinct work items is anticipated due to consolidation of SA types and reconfiguration.
•	Average handle time presumed to remain constant.
•	Hourly labor rate presumed to grow in-line with inflation in forecast period.
•	Benefit presumed to be enabled by C2M or equivalent future-state platform.



4 | Reduction in PSSTLs

Category	Total Value (Undiscounted)
B.1	\$15,501,740

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
Start stop process today requires a good monthly meter read before and after the start. With new functionality, billing system will be able to ingest pro-rated and estimated daily reads if a good read is not available, circumventing previous limitations.	Replace requirement for monthly read with interval meter reads

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-204

Calculation Methodology

Volume of PSSTLs Per Year	22,438
% Reduction in PSSTLs Per Year	79%
AHT – PSSTLs	0.61 hr.
Hourly Billing Operations Labor Rate	\$76.26
Annual Labor Efficiency Benefit	\$0.828 M

Assumptions and Notes

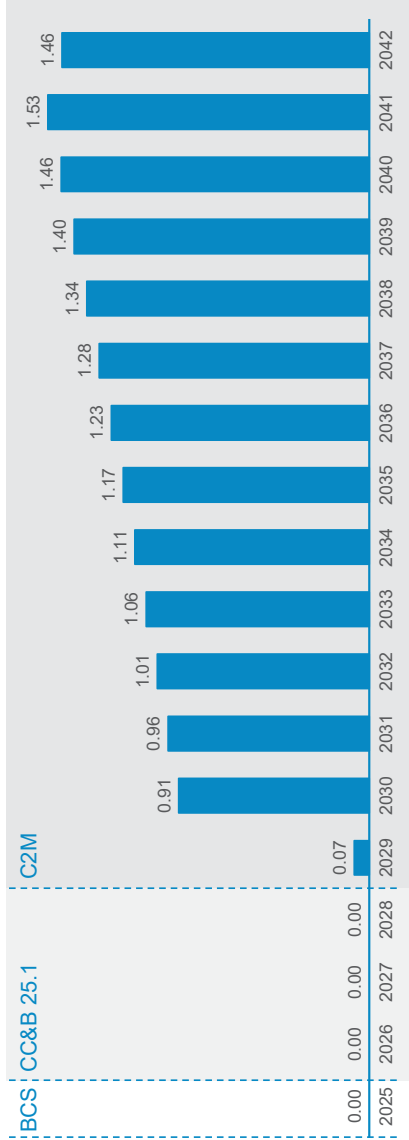
- Baseline benefit value has been developed on the basis of 2023 exception volume and handle time, which are presumed to be accurate reflection of future trends.
- A growth rate of 0.4% has been applied, as baseline volume is expected to be correlated with electric customer growth and presumed to remain smooth throughout the forecast period.
- 79% reduction anticipated after removal of “Starts with No Meters” and “Errors Associated at Billing”, which are presumed to be not impacted.
- Average handle time presumed to remain constant.
- Hourly labor rate presumed to grow in-line with inflation in forecast period.
- Benefit presumed to be enabled by C2M or equivalent future-state platform.



5 | Automation of Third-Party Delayed Bill Processing

Category	Total Value (Undiscounted)
B.1	\$15,983,903

Gross Benefits by Year (\$M)



Calculation Methodology	
Volume of Third-Party Delayed Bills Per Year	92,246
X AHT – Third Party Delayed Bills	0.08 hr.
X % Reduction in AHT of Third-Party Delayed Bills	100%
X Hourly Billing Operations Labor Rate	\$76.26
= Annual Labor Efficiency Benefit	\$0.586 M

Assumptions and Notes	
•	Baseline benefit value has been developed on the basis of 2023 exception volume and handle time, which are presumed to be accurate reflection of future trends.
•	A growth rate of 3.5% (averaged) has been applied, as baseline volume is expected to be correlated with third-party customer growth and presumed to remain smooth throughout the forecast period.
•	100% reduction of relevant handle time is anticipated due to full automation of relevant activities.
•	Average handle time presumed to remain constant.
•	Hourly labor rate presumed to grow in-line with inflation in forecast period.
•	Benefit presumed to be enabled by C2M or equivalent future-state platform.

Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
Customers with third-party billing arrangements (e.g., Community Choice Aggregators) currently must have a user manually complete the bill after receiving third party charges if the bill was manually created. By integrating Market Transaction Module, this process will be automated, reducing the handle time of these bills.	Integration of Market Transaction Module (MTM) into CIS platform.

WP 6-205

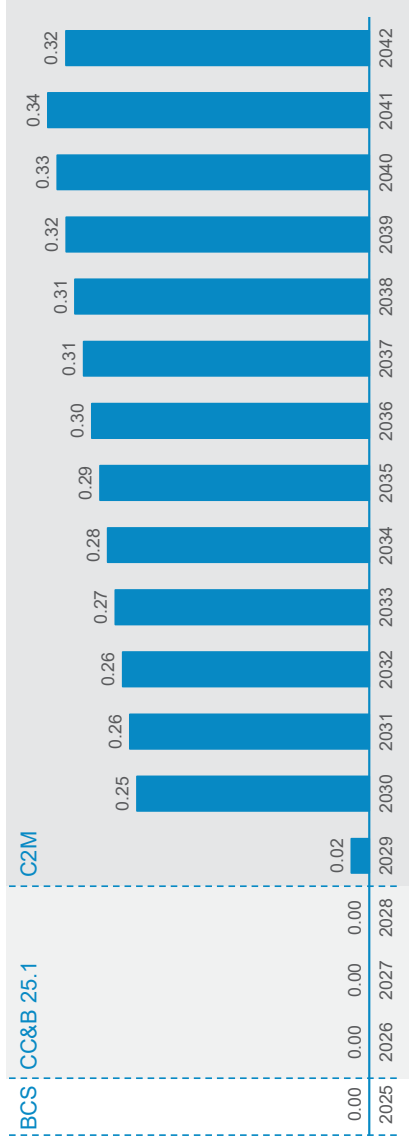
Notes: All estimates and calculations are based on input values as of Sept 30, 2024



6 | Reduction in QAS8 Bill Credit Volume

Category	Total Value (Undiscounted)
B.1	\$3,868,443

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	95%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
If initial customer bill is not received within a 60-day window of when a customer requests service, California regulations require a \$30 bill credit to be applied; utilizing daily reads or allowing for pro-rated and estimated reads for starts will decrease exceptions volume requiring manual intervention.	Replace requirement for monthly read with interval meter reads

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-206

Calculation Methodology

	Volume of QAS8 Payments Per Year	8,711
x	% Reduction in QAS8 Payments Per Year	79%
x	QAS8 Payment Value	\$30
=	Annual Cost Avoidance Benefit	\$0.207 M

Assumptions and Notes

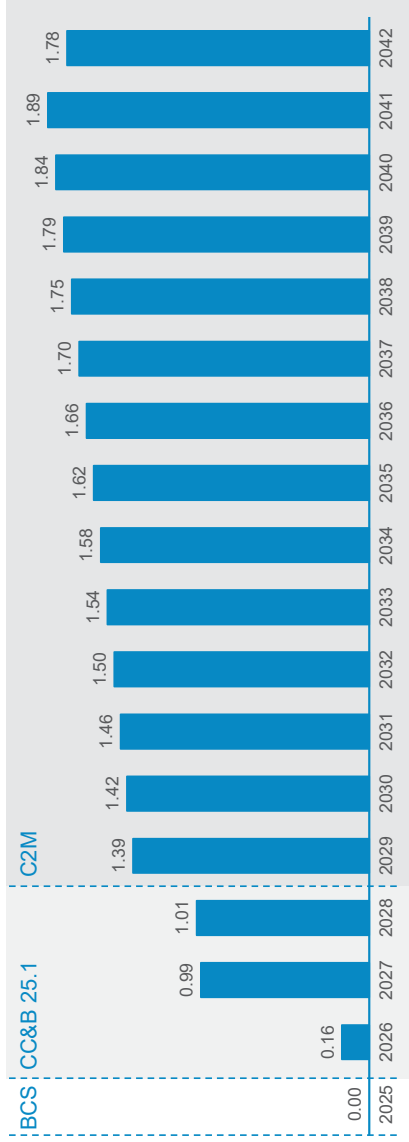
- Baseline benefit value has been developed on the basis of 2023 exception volume and handle time, which are presumed to be accurate reflection of future trends.
- A growth rate of 3.5% (averaged) has been applied, as baseline volume is expected to be correlated with third-party customer growth and presumed to remain smooth throughout the forecast period.
- Marginal dampening of first-year benefit value has been applied due to flow-through of 30-day aged accounts into initial period after launch.
- 79% reduction anticipated after removal of "Starts with No Meters" and "Errors Associated at Billing", which are presumed to be not impacted.
- Average handle time presumed to remain constant.
- Hourly labor rate presumed to grow in-line with inflation in forecast period.
- Benefit presumed to be enabled by C2M or equivalent future-state platform.



7 | Reduced AHT of DCR Requests

Category	Total Value (Undiscounted)
B.1	\$25,092,035

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	50%	75%	75%	100%	100%	100%

Description and Enabling Technology

Benefit Description	Enabling Technology
Current data storage is limited to 13 months, which precludes the ability to perform retroactive billing corrections for retroactive start stops and delayed bills over 13 months. Billing operations staff must submit Data Correction Requests (DCRs) to Smart Meter Operations Center (SMOC), which involves significant manual time to develop, submit, and track in order to provide customer with a bill or corrected bill.	Benefit will be realized in part by native data storage expansion to 37 months, and fully realized with integration of MDM module

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-207

Calculation Methodology	
Total Volume of Relevant DCR Requests	6,000
X AHT – DCR Request	2.7 hr.
X % Reduction – AHT of DCR Requests	100%
X Hourly Billing Operations Labor Rate	\$76.26
= Annual Labor Efficiency Benefit	\$1.217 M

Assumptions and Notes

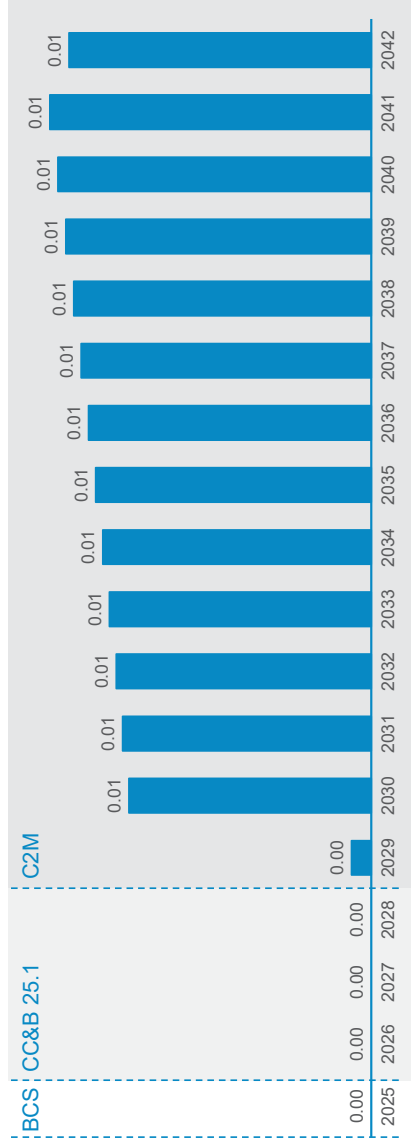
- Baseline benefit value has been developed on the basis of 2023 DCR volume (start date <= 1095 days) and handle time, which are presumed to be accurate reflection of future trends.
- A growth rate of 0% has been applied, as baseline volume is not expected to be correlated with customer growth in the forecast period and is presumed to remain constant.
- Average handle time presumed to remain constant.
- DCR requests with a start date <=1095 days of submittal date anticipated to be 100% removed in future state.
- Hourly labor rate presumed to grow in-line with inflation in forecast period.
- Benefit is presumed to be enabled at first by the CC&B 25.1 technical upgrade and then full value realized with the move to C2M or equivalent future state platform.



8 | Reduced Complex Billing Rates Testing

Category	Total Value (Undiscounted)
B.1	\$115,480

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
The current division of bifurcation of billing operations from complex billing necessitates programming new rates into both ABS and CC&B separately. New rates may, at times, go into both systems, requiring independent testing. Consolidation of systems will eliminate the redundancy of testing.	Consolidation of ABS and CC&B into C2M

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-208

Calculation Methodology	
Volume of New Rates Per Year Requiring Dual Pathway Testing	2
x % Reduction in Dual-Path Rates Requiring ABS testing	100%
x AHT – New Rate ABS Testing	36 hr.
x Hourly Complex Billing Labor Rate	\$90.17
=	Annual Labor Efficiency Benefit
	\$0.006 M

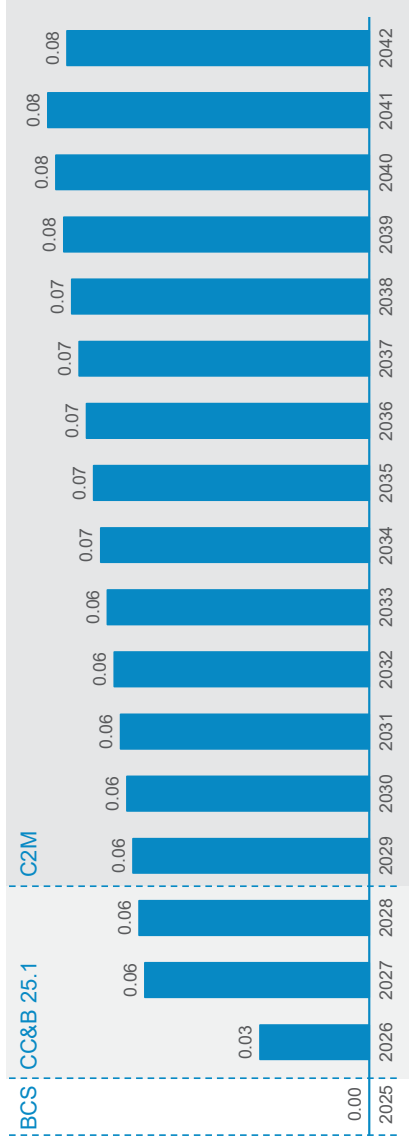
Assumptions and Notes	
•	Baseline benefit value has been developed on the basis of 2021-23 new rate volume, which is presumed to be accurate reflection of future trends.
•	Volume of new rates considers rates which were implemented into both ABS and CC&B platforms concurrently.
•	A growth rate of 0% has been applied, as volume of new rates is presumed to remain stable.
•	100% reduction in ABS pathway is anticipated for new rates that would have been programmed into both ABS and CC&B.
•	Average handle time presumed to remain constant.
•	Hourly labor rate presumed to grow in-line with inflation in forecast period.
•	Benefit presumed to be enabled by C2M or equivalent future-state platform.



9 | Reduced AHT of Complex Billing Rate Value Testing

Category	Total Value (Undiscounted)
B.1	\$1,107,890

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	0%	50%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
Rate value changes in ABS must be tested currently by printing off long-form bills and reconciling the changes by hand. In CC&B, SQL queries allow for significantly reduced testing time. BCS will enable the same process for complex billing, reducing the time spent on testing rate value changes.	Enablement of automated billing solution and infrastructure, workforce management tools, and reporting.

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-209

Calculation Methodology	
AHT – Per Cycle ABS Rate Change Value Test	138 hr.
- AHT – Per Cycle CC&B Rate Change Value Test	24 hr.
= Time Savings on Rate Change Value Testing Per Cycle	114 hr.
x Rate Change Value Testing Cycles Per Year	5
x Complex billing labor billing rate	90.17
= Annual Labor Efficiency Benefit	\$0.051 M

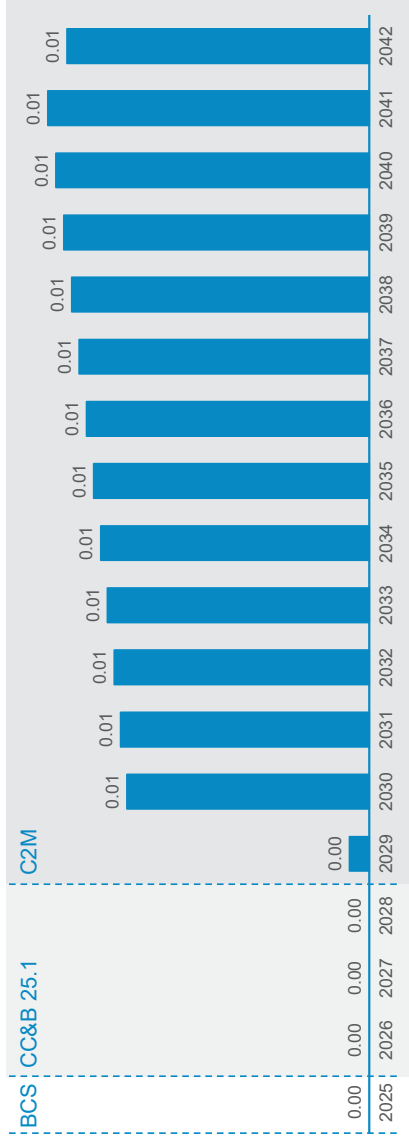
Assumptions and Notes
<ul style="list-style-type: none">Baseline benefit value has been developed on the basis of 2021-23 rate value change volume, which is presumed to be accurate reflection of future trends.A growth rate of 0% has been applied, as volume of rate value change cycles is presumed to remain stable.ABS testing is presumed to mirror CC&B testing after implementation.Average handle time presumed to remain constant.Hourly labor rate presumed to grow in-line with inflation in forecast period.Benefit presumed to be enabled by BCS.



10 | Reduced Complex Billing Requirements Drafting

Category	Total Value (Undiscounted)
B.1	\$128,312

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology

Benefit Description	Enabling Technology
For new rates, technical requirements must be drafted and sent to IT. Currently, for rates that are programmed into both ABS and CC&B, two separate sets of requirements must be drafted. Consolidation of systems will remove this redundancy.	Consolidation of ABS and CC&B into C2M.

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-210

Calculation Methodology

Volume of New Rates Per Year Requiring Dual Requirements Drafting	2
x % Reduction in New Dual Pathway Rates Per Year	100%
x AHT – Requirements Drafting	40
x Hourly Complex Billing Labor Rate	\$90.17
= Annual Labor Efficiency Benefit	\$0.007 M

Assumptions and Notes

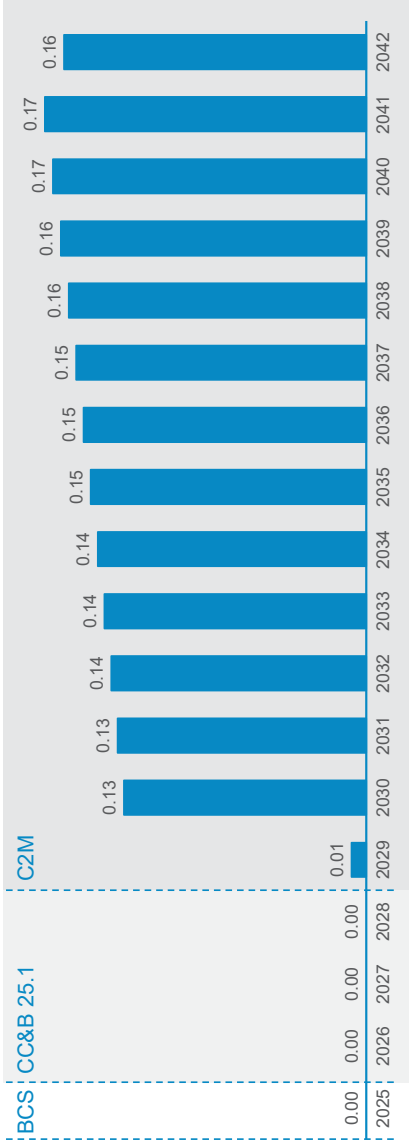
- Baseline benefit value has been developed on the basis of 2021-23 new rate volume, which is presumed to be accurate reflection of future trends.
- Volume of new rates considers rates which were implemented into both ABS and CC&B platforms concurrently.
- A growth rate of 0% has been applied, as volume of new rates is presumed to remain stable.
- 100% reduction in ABS pathway is anticipated for new rates that would have been programmed into both ABS and CC&B.
- Average handle time presumed to remain constant.
- Hourly labor rate presumed to grow in-line with inflation in forecast period.
- Benefit presumed to be enabled by C2M or equivalent future-state platform.



11 | Reduction in BITTS Volume

Category	Total Value (Undiscounted)
B.1	\$1,948,085

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	75%	100%	100%	100%	100%	100%

Description and Enabling Technology

Benefit Description	Enabling Technology
Adjustments to customer rate enrollments for ABS customers currently cannot be handled by contact center CSRs and must be handled by billing operations staff; C2M will enable tools that will empower CSRs to make these adjustments.	Rate enrollment tools will be enabled at contact center by C2M.

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-211

Calculation Methodology

Volume of Relevant Residential BITTS per Year	8,775
X % Reduction in Relevant BITTS	100%
X AHT – BITTS	0.14 hr.
X Hourly Complex Billing Labor Rate	\$90.17
= Annual Labor Efficiency Benefit	\$0.110 M

Assumptions and Notes

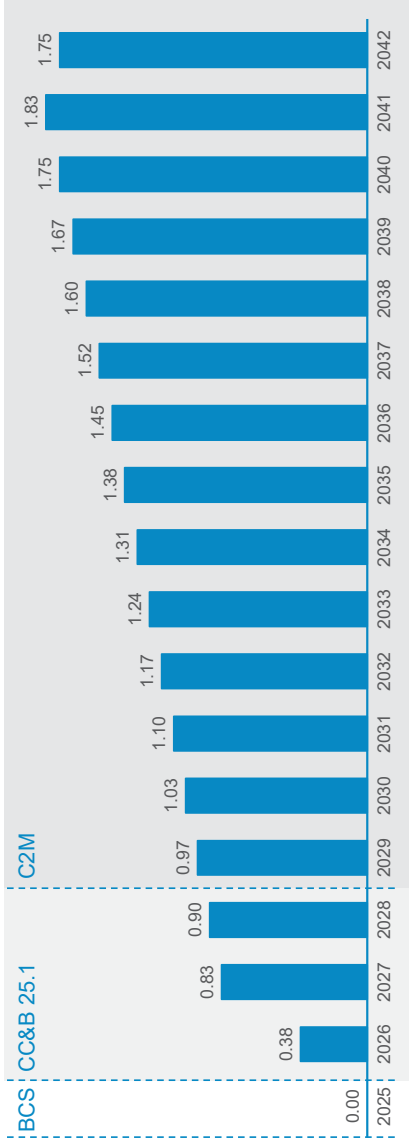
- Relevant categories of BITTS defined as "Customer Change", "Rate Change", "BROKEN LOCK", and "DOB"; baseline benefit value has been developed on the basis of 2023 BITTS volume and handle time, which are presumed to be accurate reflections of future trends.
- For non-DOB BITTS, analysis filters to residential customer BITTS, as these are the population that will be removed by the enablement of C2M's enrollment tools for CSRs
- For DOB BITTS, analysis filters to remove agricultural customer BITTS
- A growth rate of 0% has been applied, as volume of BITTS is noted to not correlate with customer growth
- Average handle time is presumed to remain constant
- Hourly labor rate presumed to grow in-line with inflation in forecast period.
- Benefit presumed to be enabled by C2M or equivalent future-state platform.



12 | Reduced Volume of Manually Resolved Complex Billing Exceptions

Category	Total Value (Undiscounted)
B.1	\$21,875,019

Gross Benefits by Year (\$M)



Calculation Methodology	
FTE's Assigned to Complex Billing Exceptions Processing	8
X % of Time Dedicated to Exceptions Processing	100%
X % Reduction in volume of Complex Customer Exceptions requiring QA	40%
X Working Hours Per Year	1,920
X Hourly Complex Billing Labor Rate	\$90.17
= Annual Labor Efficiency Benefit	\$0.554 M

Assumptions and Notes

- Baseline benefit value has been developed on the basis of 2023 complex exceptions and handle time, which are presumed to be accurate reflections of future trends.
- A growth rate of 5.6% (averaged) has been applied, as baseline exceptions volume is presumed to grow in-line with complex billing customer volume.
- 40% reduction is anticipated based on stated goals of leadership.
- Hourly labor rate presumed to grow in-line with inflation in forecast period.
- Benefit presumed to be enabled by BCS.

Periods	N	N+1	N+2	N+3	N+4
Realization	0%	50%	100%	100%	100%

Description and Enabling Technology

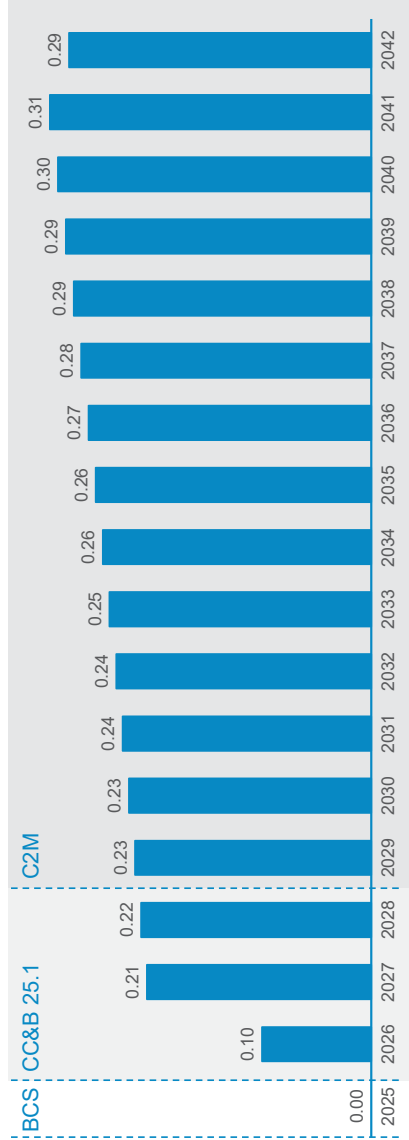
Benefit Description	Enabling Technology
Complex billing currently must resolve significant volumes of exceptions manually. While some may be automatically resolved by BOTS, the majority must be resolved by hand. The handle time exhibits high volatility, leading to significant manual effort to resolve exceptions.	Enablement of automated billing solution and infrastructure, workforce management tools, and reporting.



13 | Elimination of IF58 Review

Category	Total Value (Undiscounted)
B.1	\$4,276,067

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	0%	50%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
Complex billing operations associates currently must review 22 IF58 serials per day to identify work items. Upgrading the CIS system will enable an automated report that only contains specific work items, removing the need to review each serial daily.	Enablement of automated billing solution and infrastructure, workforce management tools, and reporting.

WP 6-213

Notes: All estimates and calculations are based on input values as of Sept 30, 2024; 1240 working days per year based on industry standard assumption

Calculation Methodology	
Volume of IF58 Serials Reviewed Per Day	22
x % Reduction in Serials Reviewed Per Day	100%
x AHT – IF58 Review Per Serial	0.42 hr.
X Working Days Per Year	240 ¹
x Hourly Complex Billing Labor Rate	\$90.17
=	Annual Labor Efficiency Benefit
	\$0.198 M

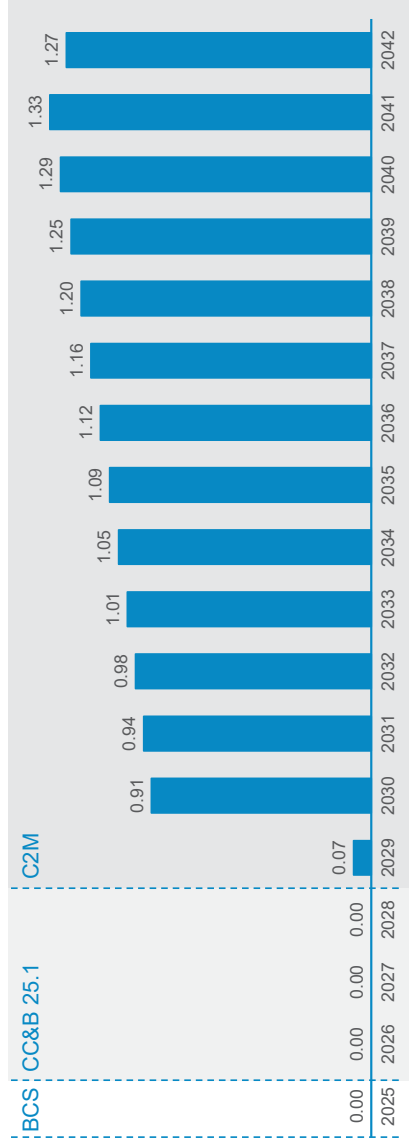
Assumptions and Notes	
	<ul style="list-style-type: none">Baseline benefit value has been developed on the basis of 2023 serial volume, which is presumed to be accurate reflection of future trends.A growth rate of 0% has been applied, as serial volume is not expected to be correlated with customer growth in the forecast period and is presumed to remain constant.100% reduction of IF58 serial review is anticipatedAverage handle time presumed to remain constant.240 working days assumed per yearHourly labor rate presumed to grow in-line with inflation in forecast period.Benefit presumed to be enabled by BCS.



14 | Automation of Medical Baseline App. Processing

Category	Total Value (Undiscounted)
B.2	\$14,677,406

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
Medical baseline applications, recertifications, and self-certifications that are received via paper or through mail (non-digital applications) are currently manually processed. The processing of these paper applications will be automated by C2M or equivalent future-state platform	Capability development is scoped concurrent to C2M upgrade

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-214

Calculation Methodology	
Volume of Medical Baseline New Applications / Re-Certs / Self-Certs Per Year	87,644
x AHT of Medical Baseline (by type)	0.08 – 0.14 hr.
x % Reduction	100%
x Hourly Customer Support Operations Labor Rate	\$72.36
= Annual Labor Efficiency Benefit	\$0.728 M

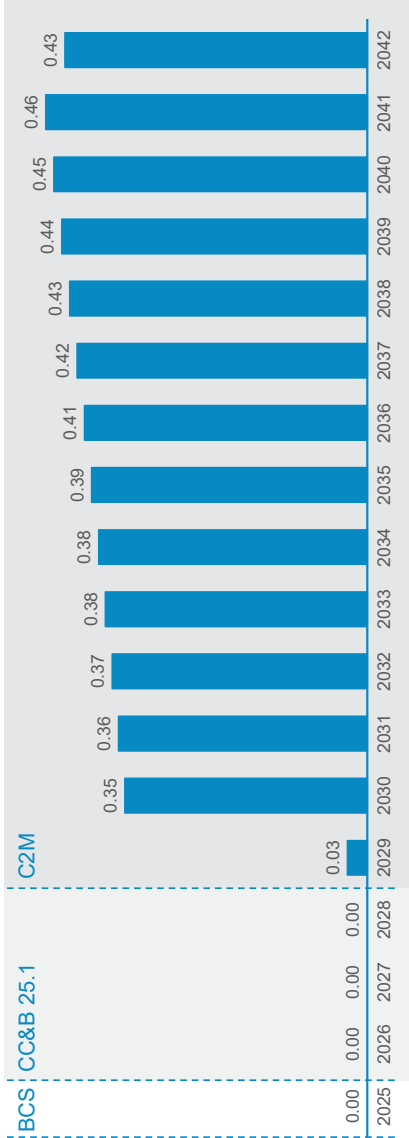
Assumptions and Notes	
<ul style="list-style-type: none">Baseline benefit value has been developed on the basis of 2023 application volume, which is presumed to be accurate reflection of future trends.A growth rate of 1% has been applied, based on stated CSO enrollment increase targets.100% reduction of manual processing labor is anticipatedAverage handle time presumed to remain constant in absence of upgrade.Hourly labor rate presumed to grow in-line with inflation in forecast period.Benefit presumed to be enabled alongside of C2M or equivalent future-state platform upgrade.	



15 | Reduction in CCO Call Volume

Category	Total Value (Undiscounted)
B.3	\$5,281,175

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
A subset of calls received by the contact center relate to billing operations anomalies such as delayed bills. Because the upgrade to a future state CIS will eliminate these delays and other errors, a downstream impact will be a reduction in the volume of inbound calls.	Integration of MDM into core C2M platform, consolidation of SA types and reconfiguration of NEM program into rider, removal of requirement for start and end reads, & integration of MTM module into C2M.

WP 6-215

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

Calculation Methodology	
	Volume of Calls Handled by CCO Per Year 5,742,801
x	% Reduction in Inbound Calls attributable to C2M 1%
x	AHT – CCO Calls 0.14 hr.
x	Hourly CSR Labor Rate \$37.43
=	Annual Labor Efficiency Benefit \$0.297 M

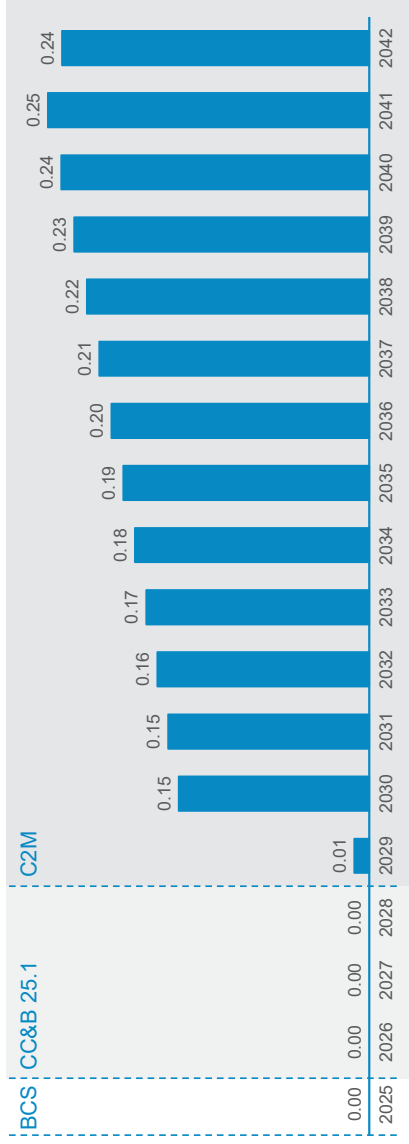
Assumptions and Notes	
	<ul style="list-style-type: none">Baseline benefit value has been developed on the basis of 2023 call volume, which is presumed to be accurate reflection of future trends.PG&E call volumes projections have been applied through 2025 and then a growth rate of 0% has been applied, based on PG&E SME input1% reduction of total call volume is anticipated, based on industry benchmark research of analogous CIS upgrades combined with perspectives of PG&E SME input.Average handle time presumed to remain constant.Hourly labor rate presumed to grow in-line with inflation in forecast period; straight time labor rate applied based on identifiability of impacted parties.Benefit presumed to be enabled by C2M or equivalent future-state platform.



16 | Reduced Write-Off Process Errors

Category	Total Value (Undiscounted)
B.4	\$2,590,655

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4
Realization	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
Technical errors may arise in accounts headed toward write-offs arising from situations such as third-party service providers reflecting balances incorrectly. These must be manually cleared by agents before account can be written off.	Enabled by adjustments to settings made possible in C2M.

WP 6-216

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

Calculation Methodology

	Annual Volume of Write-Off Process Errors	26,600
x	AHT – Write-Off Process Errors	0.07
x	Percent Reduction in Process Error Volume	70%
x	Credit & Collections Labor Billing Rate	\$71.19
=	Annual Labor Efficiency Benefit	\$0.095M

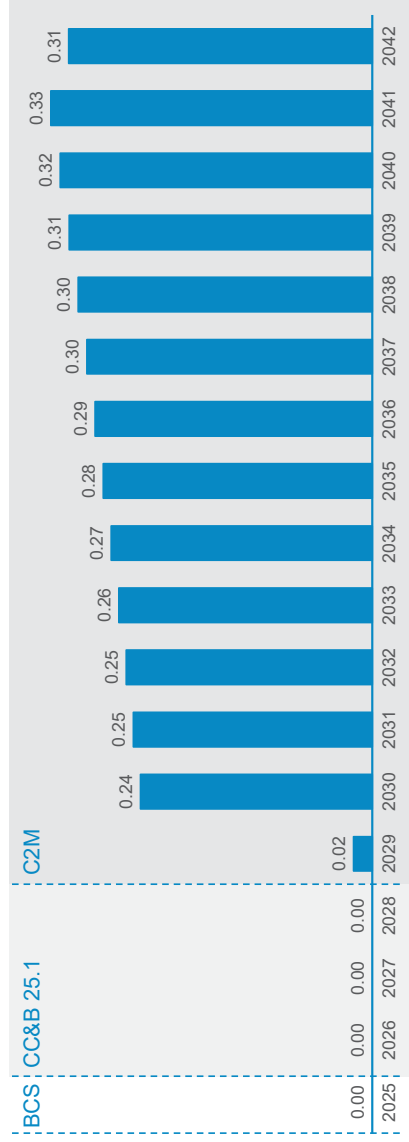
Assumptions and Notes

- Baseline benefit value has been developed on the basis of 2023 process error volume and handle time, which are presumed to be accurate reflection of future trends.
- A growth rate of 3.5% (averaged) has been applied, as baseline volume is expected to be correlated with third-party customer growth and presumed to remain smooth throughout the forecast period.
- Average handle time presumed to remain constant.
- Hourly labor rate presumed to grow in-line with inflation in forecast period.
- Benefit presumed to be enabled by C2M or equivalent future-state platform.

17 | Reduction in Debit & Credit Adjustments

Category	Total Value (Undiscounted)
B.4	\$3,744,557

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology

Benefit Description	Enabling Technology
Debits & Credit adjustments cause receivables to be over inflated as receivables are tracking any service agreement with balances over 30 days and do not consider any service agreements with credits. Collections and severance processes are triggered at the service agreement level causing adverse impacts to customers.	Enabled by adjustments to payment/adjustment settings made possible in C2M.

Calculation Methodology	
Volume of Debit / Credit Adjustments Per Year	39,988
Percent Reduction to Adjustment Volume	70%
AHT – Debit / Credit Adjustments	0.1 hr.
Hourly Credit & Collections Labor Rate	\$71.19
= Annual Labor Efficiency Benefit	\$0.199 M

Assumptions and Notes

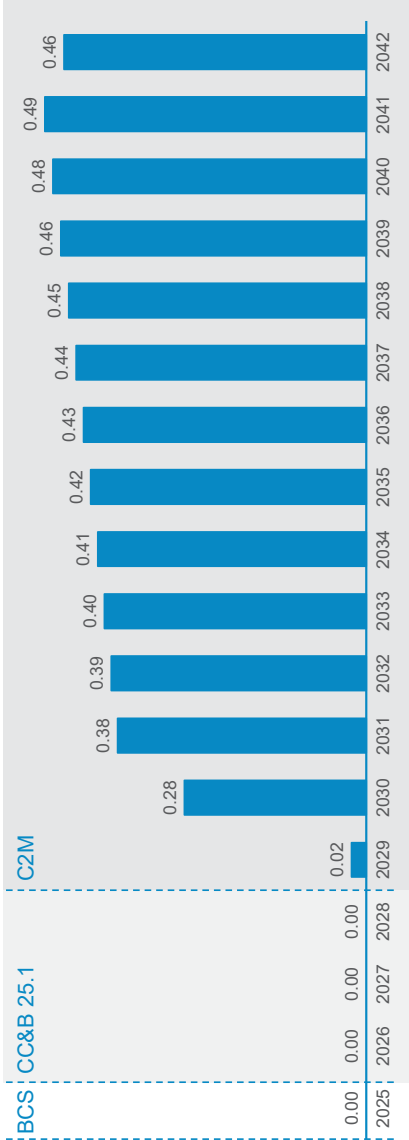
- Baseline benefit value has been developed on the basis of 2023 adjustments volume and handle time, which are presumed to be accurate reflections of future trends.
- A growth rate of 0.4% has been applied, as baseline volume is expected to be correlated with total customer growth and presumed to remain smooth throughout the forecast period.
- Average handle time presumed to remain constant.
- Hourly labor rate presumed to grow in-line with inflation in forecast period.
- Benefit presumed to be enabled by C2M or equivalent future-state platform.



18 | Reduction in Cost to Implement Future Projects (Labor Efficiency)

Category	Total Value (Undiscounted)
IT.4	\$5,502,388

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	75%	75%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As PG&E moves to a singular CIS with a singular rating engine, there will be significant rate development savings to be realized as PG&E only needs to develop, code, and test rates in a single system. This will be further compounded by the move to modular rates and elimination of customizations to develop rates.	Benefit enabled by the move to a single CIS, C2M.

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-218

Calculation Methodology			
Average Annual Cost to Implement Future Projects			10,325,928
x	% Reduction in Cost to Implement Future Projects		30.5%
x	% of Future Rate Development that is OpEx		10%
= Reduction in Cost to Implement Future Projects			\$0.315M

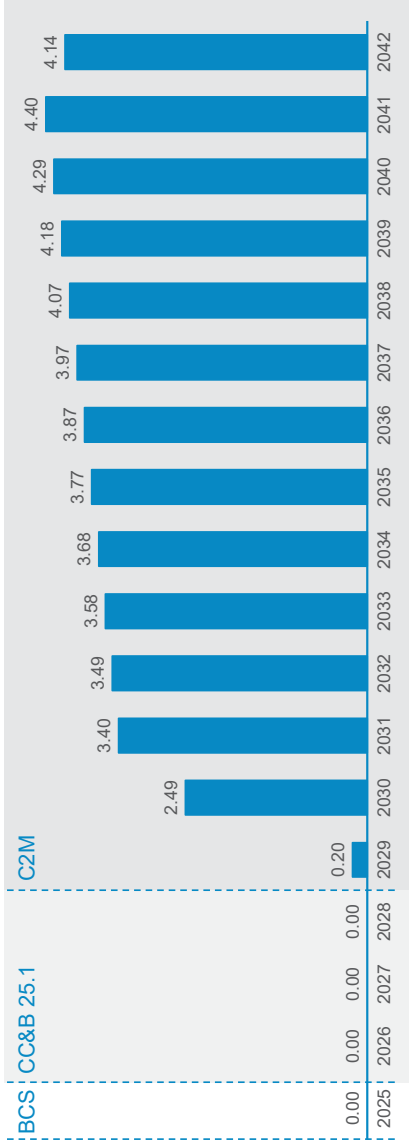
Assumptions and Notes	
<ul style="list-style-type: none">Baseline benefit has been developed based on 10-year average rate development costs, 2016-2026. This includes rates in development with future deployment dates.No growth rate has been applied beyond general inflationThe 30.5% reduction in rate development costs was developed from an internal PG&E study showing the difference in effort and process time to implement a rate between a linear and modular rate development logic10% of rate development costs are attributable to OpEx and this is expected to stay constantBenefit presumed to be enabled by C2M or equivalent future-state platform.	



19 | Reduction in Cost to Implement Future Projects (Capital)

Category	Total Value (Undiscounted)
IT.4	\$49,521,489

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	75%	75%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As PG&E moves to a singular CIS with a singular rating engine, there will be significant rate development savings to be realized as PG&E only needs to develop, code, and test rates in a single system. This will be further compounded by the move to modular rates and elimination of customizations to develop rates.	Benefit enabled by the move to a single CIS, C2M.

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-219

Calculation Methodology	
Average Annual Cost to Implement Future Projects	10,325,928
x % Reduction in Cost to Implement Future Projects	30.5%
x % of Future Rate Development that is CapEx	90%
=	Reduction in Cost to Implement Future Projects
	\$2.834M

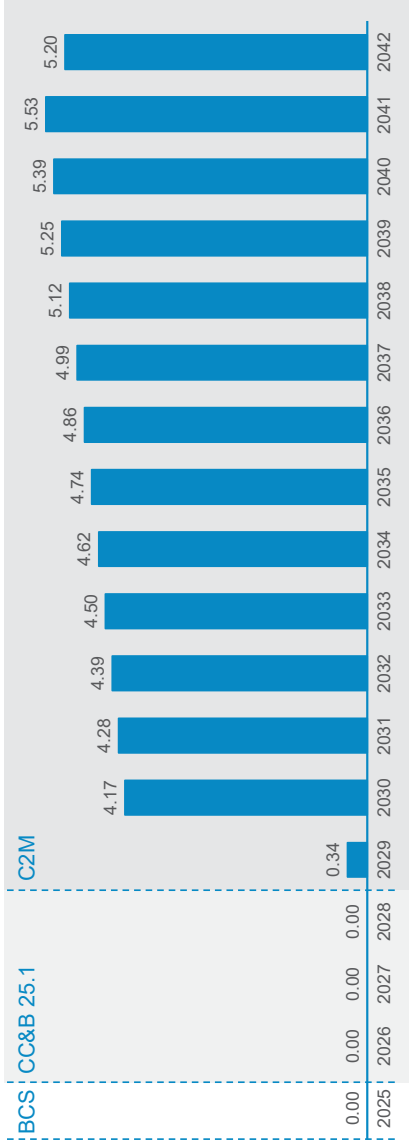
Assumptions and Notes	
•	Baseline benefit has been developed based on 10-year average rate development costs, 2016-2026. This includes rates in development with future deployment dates.
•	No growth rate has been applied beyond general inflation
•	The 30.5% reduction in rate development costs was developed from an internal PG&E study showing the difference in effort and process time to implement a rate between a linear and modular rate development logic
•	90% of rate development costs are attributable to CapEx and this is expected to stay constant
•	Benefit presumed to be enabled by C2M or equivalent future-state platform.



20 | Eliminate IT Support Costs for Retired Legacy Systems

Category	Total Value (Undiscounted)
IT.1	\$63,365,872

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As PG&E moves to C2M or an equivalent future system, they will be able to retire their current costly legacy system which requires many customizations and vendor intervention to support these customizations. C2M features an integrated MDM allowing PG&E to end the usage of its separate MDM.	Benefit enabled by the move to C2M

WP 6-220

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

Calculation Methodology	
CC&B 2.4 IT Internal Labor Support Costs	2,560,397
+ MDMS IT Internal Labor Support Costs	1,001,995
= Eliminated Annual IT Support Costs for Retired Legacy Systems	\$3.562M

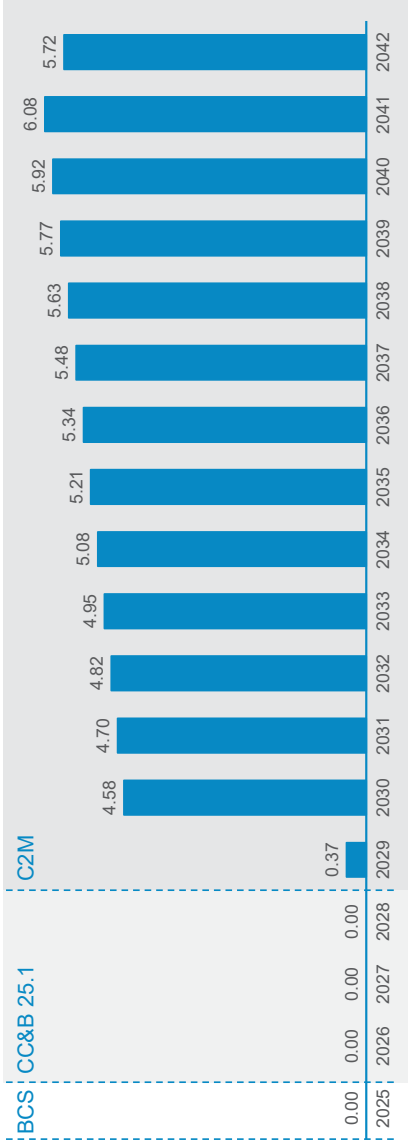
Assumptions and Notes
<ul style="list-style-type: none">Baseline benefit value based on current (2024) spend on the current CIS, CC&B 2.4. This spend is expected to increase over time as the system continues to age in a "do nothing" scenario but this is captured in a separate benefit (#28).Avoided cost of internal support of associated hardware (servers, storage, switches)It is expected that PG&E will be able to retire the current CIS, CC&B 2.4, upon the move to C2M and will stop paying for all relevant 2.4 and Landis + Gyr MDM costs.Benefit presumed to be enabled by C2M or equivalent future-state platform.



21 | Eliminate Capital Costs for Retired Legacy Systems

Category	Total Value (Undiscounted)
IT.1	\$69,654,384

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As PG&E moves to C2M or an equivalent future system, they will be able to retire their current costly legacy system which requires many customizations and vendor intervention to support these customizations. C2M features an integrated MDM allowing PG&E to end the usage of its separate MDM.	Benefit enabled by the move to C2M

WP 6-221

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

Calculation Methodology	
CC&B 2.4 Capital Expenditure Costs	3,150,929
+ MDMS Capital Expenditure Costs	765,000
= Eliminated Annual Capital Expenditure Costs for Retired Legacy Systems	\$3.916M

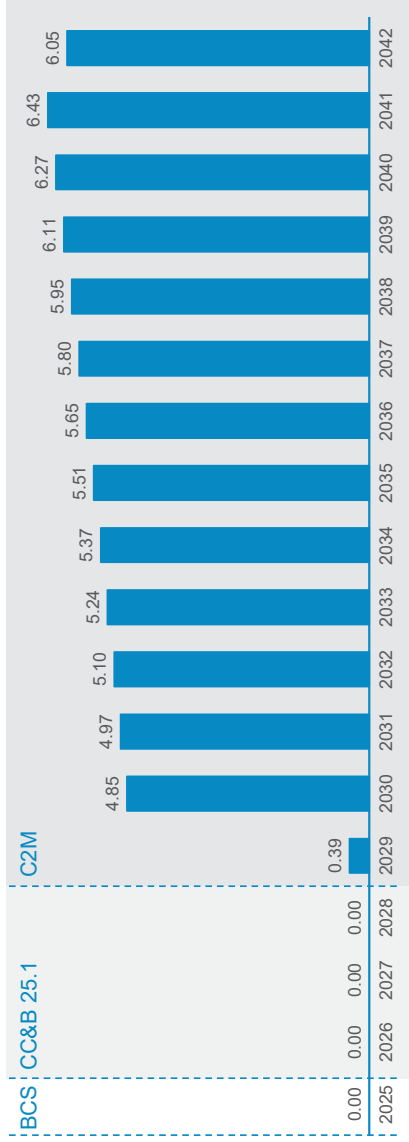
Assumptions and Notes
<ul style="list-style-type: none">Baseline benefit value based on current (2024) spend on the current CIS, CC&B 2.4. This spend is expected to increase over time as the system continues to age in a "do nothing" scenario but this is captured in a separate benefit (#28).Avoided cost of servers, switches, and storage supporting CC&B & MDMS; this includes the hardware refresh cycle in accordance with PG&E protocolIt is expected that PG&E will be able to retire the current CIS, CC&B 2.4, upon the move to C2M and will stop paying for all relevant 2.4 and Landis + Gyr MDM costs.Benefit presumed to be enabled by C2M or equivalent future-state platform.



22 | Reduce Licensure Spend Supporting Legacy Systems

Category	Total Value (Undiscounted)
IT.1	\$73,697,103

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As PG&E moves to C2M or an equivalent future system, they will be able to retire their current costly legacy system which requires many customizations and vendor intervention to support these customizations. C2M features an integrated MDM allowing PG&E to end the usage of its separate MDM.	Benefit enabled by the move to C2M

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-222

Calculation Methodology	
CC&B 2.4 Licensure Costs	3,224,742
MDMS Licensure Costs	351,665
+ Annual Application Spend on Ancillary Support Applications	566,801
= Eliminated Annual Licensure Spend Supporting Retired Legacy Systems	\$4.143M

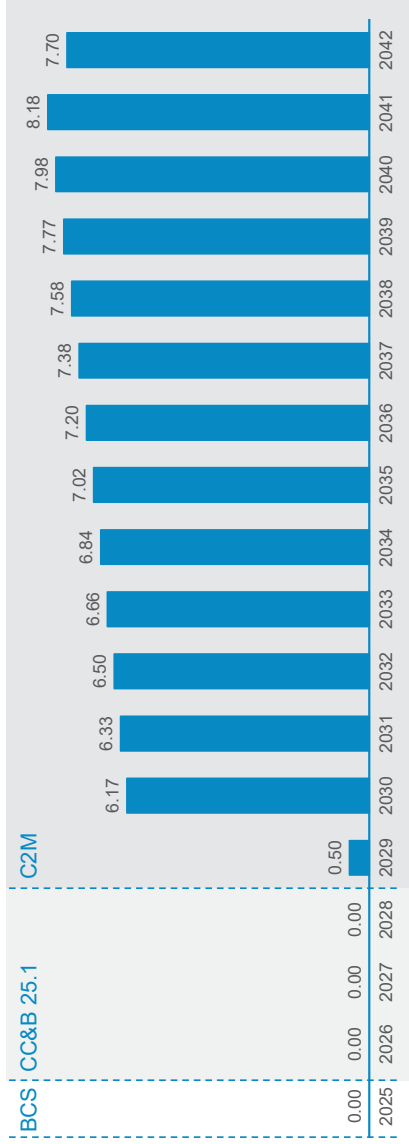
Assumptions and Notes
<ul style="list-style-type: none">Baseline benefit value based on current (2024) spend on the current CIS, CC&B 2.4. This spend is expected to increase over time as the system continues to age in a "do nothing" scenario but this is captured in a separate benefit (#28).It is expected that PG&E will be able to retire the current CIS, CC&B 2.4, upon the move to C2M and will stop paying for all relevant 2.4 and Landis + Gyr MDM costs including all licensure used to support these programs.Annual spend on ancillary support costs is taken from current spend (2024) and is not expected to grow in excess of inflation.Benefit presumed to be enabled by C2M or equivalent future-state platform.



23 | Reduce MSP Spend Supporting Legacy Systems

Category	Total Value (Undiscounted)
IT.5	\$93,800,205

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As PG&E moves to C2M or an equivalent future system, they will be able to retire their current costly legacy system which requires many customizations and vendor intervention to support these customizations. C2M features an integrated MDM allowing PG&E to end the usage of its separate MDM.	Benefit enabled by the move to C2M

WP 6-223

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

Calculation Methodology	
CC&B 2.4 MSP Support Costs	4,312,143
+ MDMS MSP Support Costs	961,250
= Eliminated Annual MSP Spend Supporting Retired Legacy Systems	\$5.273M

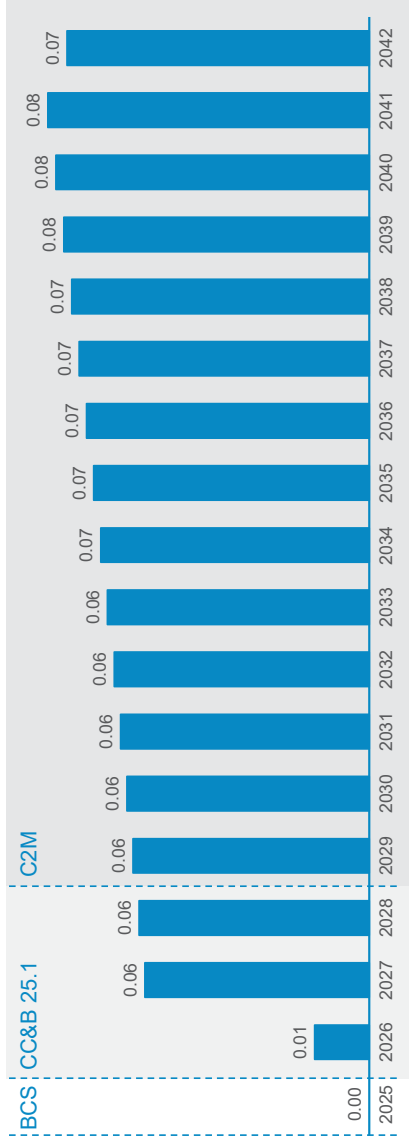
Assumptions and Notes	
<ul style="list-style-type: none">Baseline benefit value based on current (2024) spend on the current CIS, CC&B 2.4. This spend is expected to increase over time as the system continues to age in a "do nothing" scenario but this is captured in a separate benefit (#28).MSP spend includes third party monitoring, and vendor application support including Oracle customization and product support.It is expected that PG&E will be able to retire the current CIS, CC&B 2.4, upon the move to C2M and will stop paying for all relevant 2.4 and Landis + Gyr MDM costs.Benefit presumed to be enabled by C2M or equivalent future-state platform.	



24 | Reduce Unplanned CIS System Downtime

Category	Total Value (Undiscounted)
IT.6	\$1,090,148

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology

Benefit Description	Enabling Technology
As PG&E moves to a vendor supported CIS system, the CIS will continue to receive updates from the vendor whereas it has currently fallen out of support. This has caused there to be system downtime beyond the Tier 1 reliability standards expected of the new system.	Benefit enabled by the move to a supported CIS, therefore will begin with the onset of CC&B 25.1

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-224

Calculation Methodology

	Hours of CC&B 2.4 System Downtime	28
x	Percentage Reduction in Labor Hours Spent to Restore System	97%
x	Number of People Required to Work on Outage	15
x	Labor Rate for IT Staff	127
=	Reduction in Service Restoration Costs	\$0.051M

Assumptions and Notes

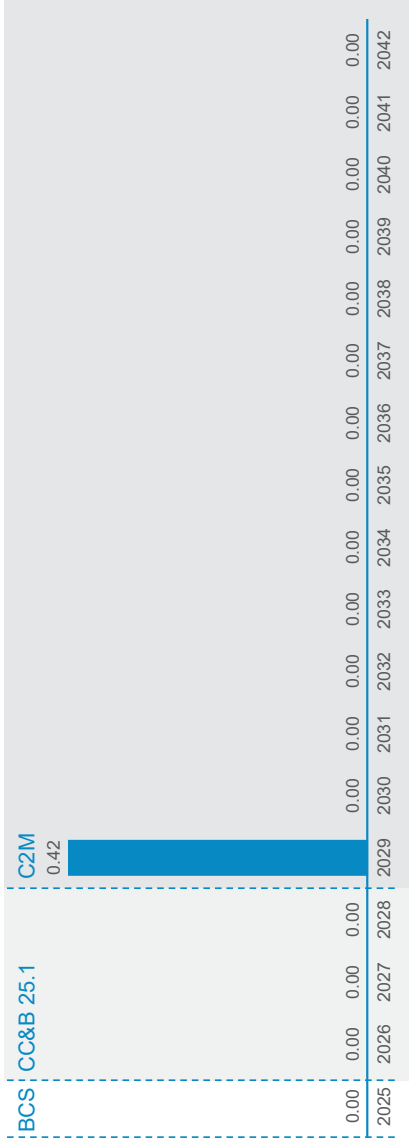
- Baseline benefit developed based on system downtime that was taken from a KPI document with system uptime percentage; the inverse was taken and translated to hours
- Given relative stability in system uptime from year to year no growth rate has been applied as it is not expected to deviate from the average
- Percentage reduction is calculated based on current system uptime compared to future system uptime under Tier 1 requirements of 99.99% uptime as quoted by the vendor
- Benefit presumed to be enabled by CC&B 25.1 technical upgrade



25 | Reduce IT Training Costs

Category	Total Value (Undiscounted)
IT.7	\$421,580

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	0%	0%	0%	0%	0%

Description and Enabling Technology	
Benefit Description	Enabling Technology
Since PG&E is moving from one Oracle product to another, namely CC&B 25.1 to C2M, the need for an introductory day as part of the training period to familiarize PG&E staff with the general workings of an Oracle CIS will not be necessary. As such conservatively day 1 activities of training are not viewed as necessary	Benefit enabled by C2M being an Oracle product

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-225

Calculation Methodology	
Expected Number of Training Hours for New CIS System	120
x Number of Individuals Expected to Train on New CIS	364
x Percentage Reduction in Training Hours Required	6.7%
x Average Hourly Rate of Employees	127
=	Reduced IT Training Costs
	\$0.370M

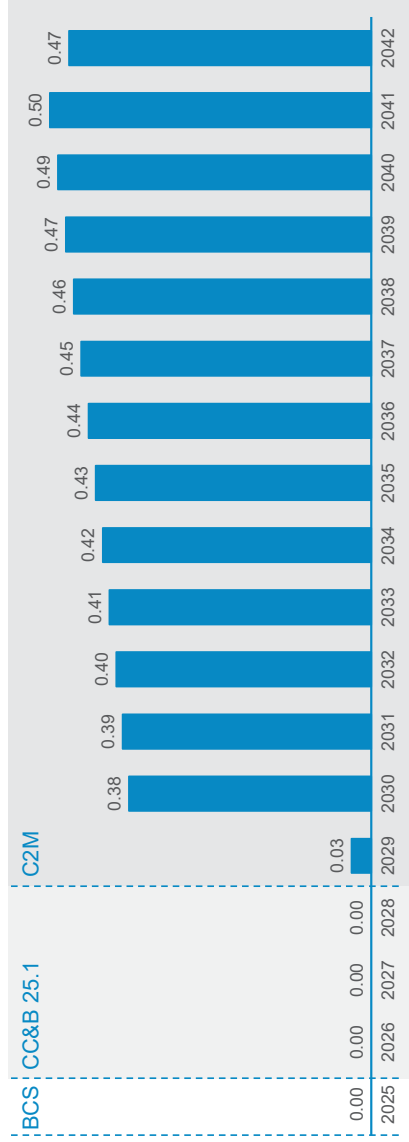
Assumptions and Notes	
•	Baseline benefit developed based on vendor estimate of time required to train on system and current headcount (2024) of PG&E's billing operations and IT teams, 264 and 100 respectively
•	A 6.7% reduction in training represents the elimination of "day 1" introductory activities
•	CSR training should be unaffected as they interact with a single pane of glass from Salesforce
•	Benefit is presumed to only occur in year 1 of future state CIS go live: given the relative stability of the billing operations and IT organizations training to onboard a new team member is expected to be de minimis



26 | Reduce Volume of IT Systems Access Reviews

Category	Total Value (Undiscounted)
IT.7	\$5,724,882

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology

Benefit Description	Enabling Technology
Currently PG&E conducts quarterly system access review sessions for system security and maintenance. During this process a reviewer will ensure that each person with access still requires access to all systems. Given the move from 11 systems down to a single system with the move to C2M, this process will become significantly shorter.	Benefit enabled by the move C2M, an integrated CIS

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-226

Calculation Methodology

	Number of Legacy Systems	11
x	Number of people requiring access	1,383
x	Annual Review Frequency (Quarterly)	4
x	Percentage Reduction in System Access Reviews	91%
x	Legacy System – System Access Review AHT	0.05
x	IT Labor Rate	127
=	Reduced Cost to Review IT System Access	\$0.322M

Assumptions and Notes

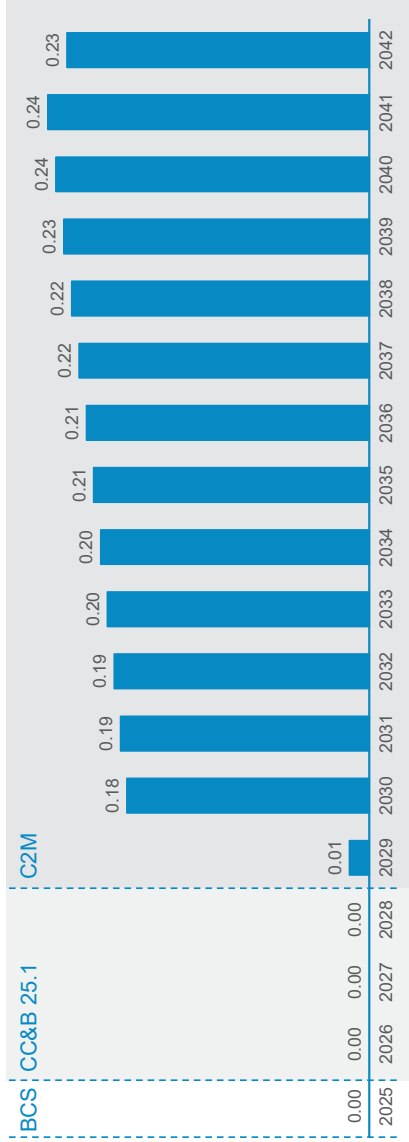
- Baseline benefit developed based on the number of systems, current headcount (2024) of PG&E's billing operations, CCO, and IT teams, (264, 1,019, and 100 respectively)
- By moving C2M, reviewers will only need to assess whether users need to access 1 system vs 11, a 91% drop in number of systems to review
- It currently takes a reviewer just under 3 minutes per person to review access to all 11 current systems
- Benefit presumed to be enabled by C2M or equivalent future-state platform.



27 | Avoid Future Legacy Maintenance Cost Increases

Category	Total Value (Undiscounted)
IT.2	\$2,784,120

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	100%	100%	100%	100%	100%	100%

Description and Enabling Technology

Benefit Description	Enabling Technology
As PG&E's current CIS system continues to age, it will continue to become more expensive to operate. Based on outside analysis of other CIS system maintenance costs this can increase conservatively at 1% a year due to the increased complexity in maintaining an out of support CIS.	Benefit enabled by the move to C2M

Calculation Methodology	
Average Annual Cost to Maintain Legacy CIS	15,652,159
x Percent Increase in Maintenance Costs Due to Increased Complexity	1%
=	Avoided Future Legacy Maintenance Cost Increases \$0.157M

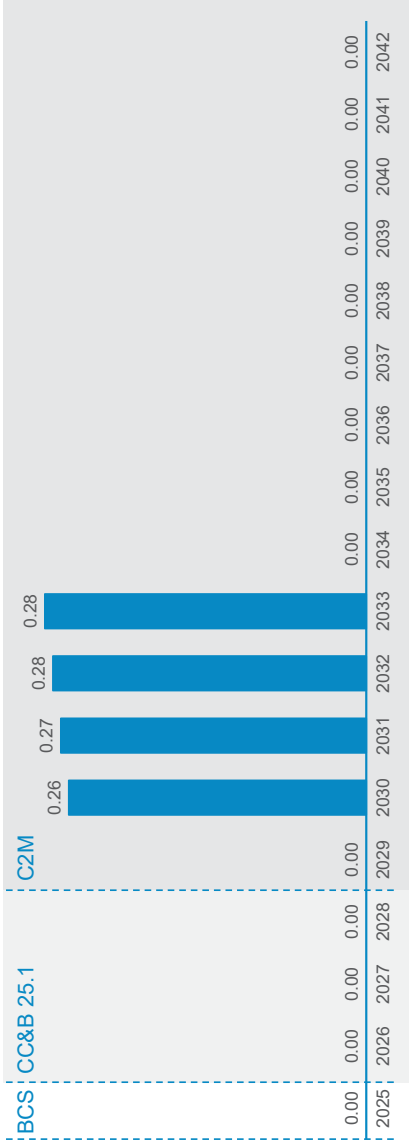
Assumptions and Notes

- Baseline benefit value has been determined from the current (2024) annual cost to maintain PG&E's CIS.
- This figure is expected to grow with inflation as well as the 1% growth rate over time which is based on Accenture analysis of peer utility IT maintenance costs over time
- Benefit presumed to be enabled by C2M or equivalent future-state platform.



28 | Reduction in Cost to Implement Rate Backlog (Labor Efficiency)

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	0%	100%	100%	100%	0%	0%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As PG&E implements their rate backlog under their new method of rate development with the new CIS, they will be able to take advantage of the same rate development savings for future rate development.	Benefit enabled by the move to C2M

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-228

Category	Total Value (Undiscounted)
IT.3	\$1,088,821

Calculation Methodology	
	Number of Rates in Backlog
x	Average Cost to Develop a Rate
/	Number of Years to Develop Rate Backlog
x	Percentage Reduction in Rate Development Costs
x	Percentage of Future Rate Development that is OpEx
=	Reduced Cost to Implement Rate Backlog
	\$0.224M

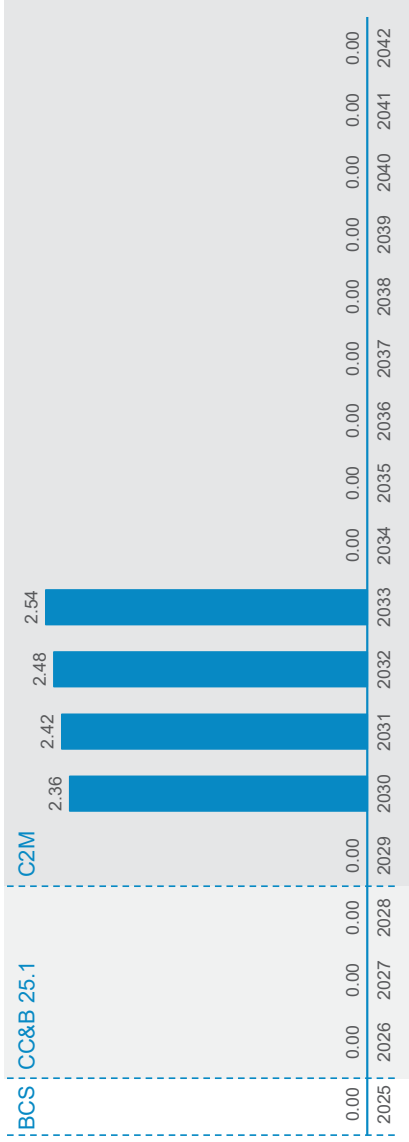
Assumptions and Notes	
	Baseline benefit value has been developed based on the average cost to develop a rate (using 2015-2026 rate development costs) and this amount is not expected to scale beyond inflation.
	This benefit lasts for 4 years (16 rates developed at a rate of 4 rates per year) which is based on PG&E's current backlog timeline.
	There are currently 16 rates PG&E expects will be developed post C2M's go live; this number may grow as new rates become apparent
	Benefit presumed to be enabled by C2M or equivalent future-state platform.



29 | Reduction in Cost to Implement Rate Backlog (Capital)

Category	Total Value (Undiscounted)
IT.3	\$9,799,385

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Realization	0%	100%	100%	100%	0%	0%

Description and Enabling Technology	
Benefit Description	Enabling Technology
As PG&E implements their rate backlog under their new method of rate development with the new CIS, they will be able to take advantage of the same rate development savings for future rate development.	Benefit enabled by the move to C2M

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-229

Calculation Methodology

Number of Rates in Backlog		16
x	Average Cost to Develop a Rate	1,834,144
/	Number of Years to Develop Rate Backlog	4
x	Percentage Reduction in Rate Development Costs	30.5%
x	Percentage of Future Rate Development that is CapEx	90%
=	Reduced Cost to Implement Rate Backlog	\$2.014M

Assumptions and Notes

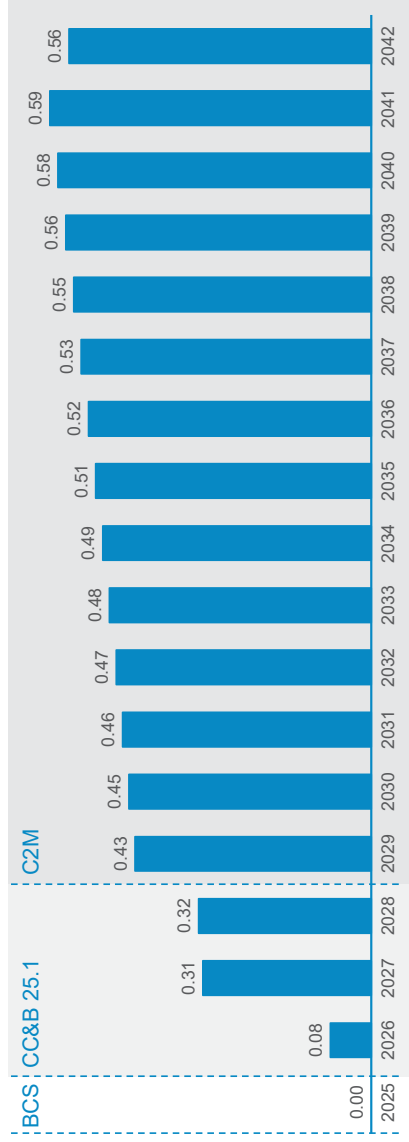
- Baseline benefit value has been developed based on the average cost to develop a rate (using 2015-2026 rate development costs) and this amount is not expected to scale beyond inflation.
- This benefit lasts for 4 years (16 rates developed at a rate of 4 rates per year) which is based on PG&E's current backlog timeline.
- There are currently 16 rates PG&E expects will be developed post C2M's go live; this number may grow as new rates become apparent
- Benefit presumed to be enabled by C2M or equivalent future-state platform.



30 | Reduction in Volume of DCRs – SMOC

Category	Total Value (Undiscounted)
IT.8	\$7,877,903

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Ramp	75%	75%	75%	100%	100%	100%

Description and Enabling Technology

Benefit Description	Enabling Technology
PG&E's current CIS does not allow for more than 13 months of data storage natively nor does it have an integrated MDM. This causes thousands of data inconsistencies a year which must be corrected through Data Correction Routines (DCRs). These will be eliminated in the future as native storage is expanded and the MDM is integrated with the CIS.	Benefit is enabled both by the expansion of native storage of the CIS which is enabled in 25.1 as well as the integration of the MDM with the CIS in C2M

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-230

Calculation Methodology

Volume of Relevant DCRs Per Year	6,000
% Reduction in DCR Volume per Year	100%
AHT – DCR Processing	0.5 hr.
Hourly SMOC Labor Rate	\$127
= Annual Labor Efficiency Benefit	\$0.381M

Assumptions and Notes

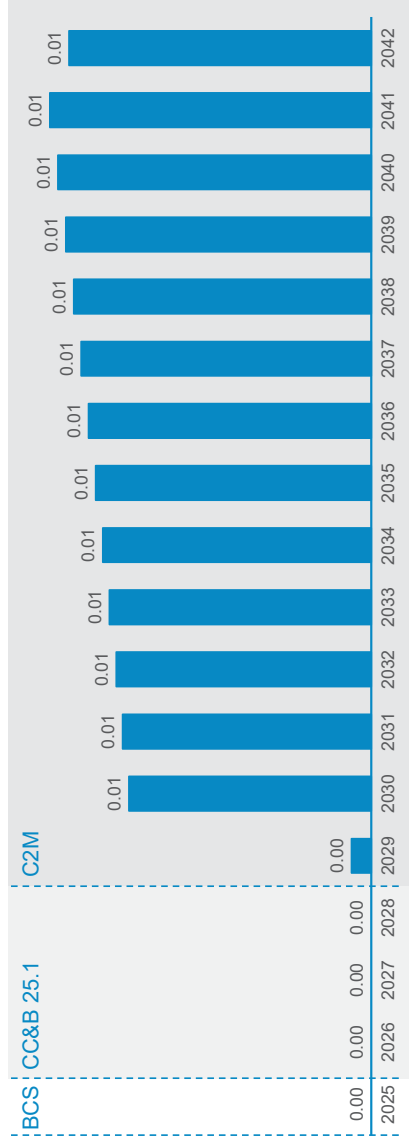
- Baseline benefit value has been developed on the basis of 2023 DCR volume and handle time, which are presumed to be accurate reflection of future trends.
- This benefit has parallel activities between the Smart Meter Operations (SMOC) team and the Meter To Cash (MTC) team.
- The ramp curve is initially set to 75% as that is the portion of the benefit enabled by the expansion of native storage. This is increased to 100% once the MDM is integrated to fill the final 25%.
- Benefit is presumed to be enabled at first by the CC&B 25.1 technical upgrade and then full value realized with the move to C2M or equivalent future state platform.



31 | Reduce Volume of IT Systems Access Requests

Category	Total Value (Undiscounted)
IT.7	\$94,455

Gross Benefits by Year (\$M)



Periods	N	N+1	N+2	N+3	N+4	>N+4
Ramp	100%	100%	100%	100%	100%	100%

Description and Enabling Technology	
Benefit Description	Enabling Technology
PG&E's current systems require new hires to be given access to 11 unique systems whereas in the future state they will only be required to be granted access to a single system, C2M. Given relatively stable headcounts in billing operations and IT, saving time providing access to new CSRs is expected to be the bulk of this benefit.	Benefit enabled by the move C2M, an integrated CIS

Notes: All estimates and calculations are based on input values as of Sept 30, 2024

WP 6-231

Calculation Methodology	
	Number of Legacy Systems 11
X	Average Annual New Hires 42
X	Percentage Reduction in System Access Reviews 91%
X	Legacy System – System Access Review AHT 0.10
X	IT Labor Rate 127
=	Reduced Cost to Review IT System Access \$0.005M

Assumptions and Notes	
	<ul style="list-style-type: none">Baseline benefit developed based on the number of systems and 5-year average ('19-'24) annual customer service representative (CSR) new hiresBy moving C2M, access will only need to be granted to 1 system vs 11, a 91% drop in number of systems to reviewCSR new hires are expected be the bulk of new hires needing C2M access as the billing operations and IT organizations have stable headcountsGiven that access is generally granted in batches of new hires, the process is aided by economies of scale bringing AHT down to roughly 6 minutesBenefit presumed to be enabled by C2M or equivalent future-state platform.



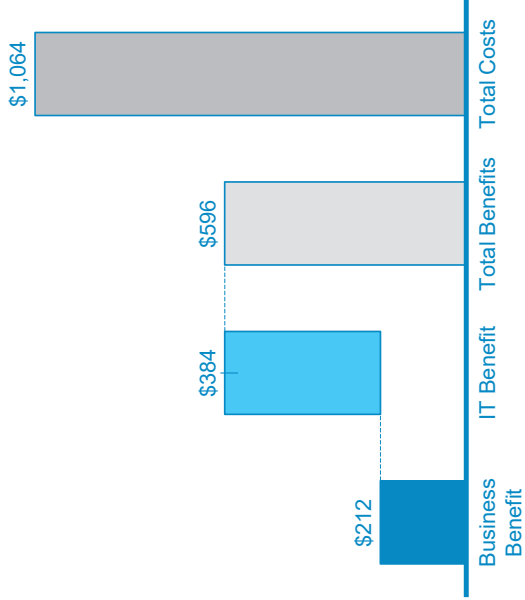
CBA Model Results

Billing Modernization Benefit-Cost Ratio

0.31 WACC Discounted	0.48 SRTP Discounted	0.56 Not Discounted
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Billing Modernization Benefits & Costs

Undiscounted Total (\$M)

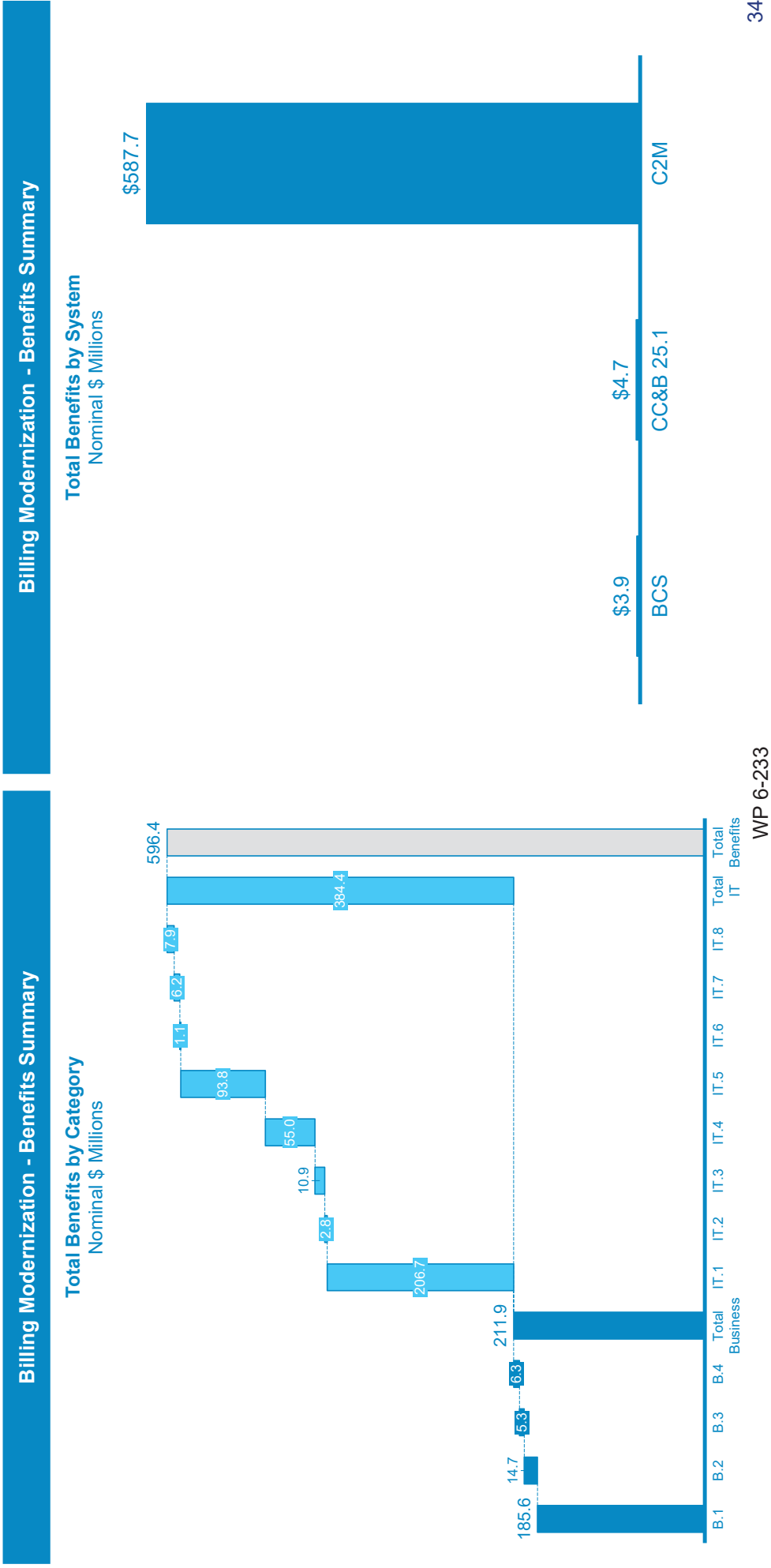


ID	Category Name	Undiscounted Lifetime Value
Business Operations Benefits		
B.1	Billing Operations Process Efficiencies	\$186M
B.2	Customer Support Operations Process Efficiencies	\$15M
B.3	Contact Center Operations Process Efficiencies	\$5M
B.4	Credit & Collections Process Efficiencies	\$6M
Total Business Operations Benefits Value		\$212M
IT Benefits		
IT.1	Eliminate Legacy Architecture Costs	\$207M
IT.2	Avoid Future Increased Cost to Maintain Legacy Architecture	\$3M
IT.3	Reduce Cost to Implement Current Project Backlog	\$11M
IT.4	Reduce Cost to Implement Future New Projects	\$55M
IT.5	Reduce MSP Spend	\$94M
IT.6	Reduce Unplanned CIS System Downtime	\$1M
IT.7	IT Support Process Efficiencies	\$6M
IT.8	Smart Meter Operations Center Process Efficiencies	\$8M
Total IT Benefits		\$384M

Notes: All estimates and calculations are based on input values as of Sept 30, 2024; WACC defined by Business Finance group to be 7.8%; Social Rate of Time Preference (SRTP) represents alternative social discount rate outlined by CPUC to apply lower discount rate for projects deemed to have social value and has been defined at 2% by the CPUC.

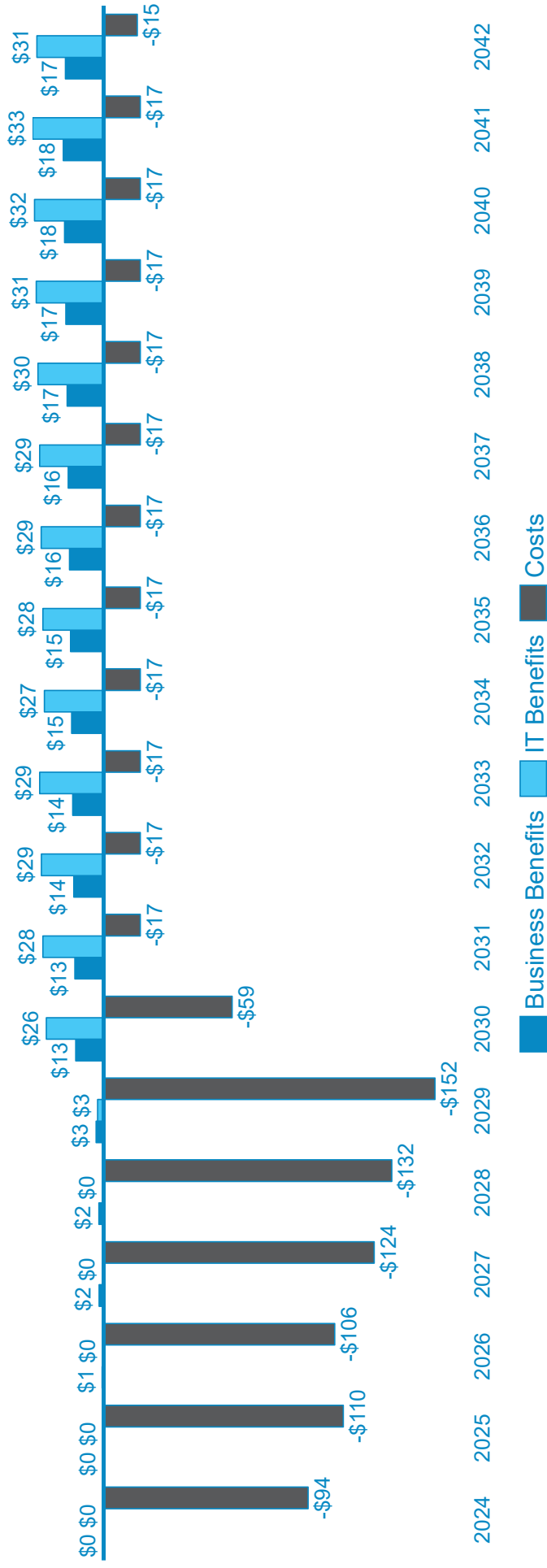


Overall Benefits Summary – Testimony Charts (1 of 3)



Notes: All estimates and calculations are based on input values as of Sept 30, 2024

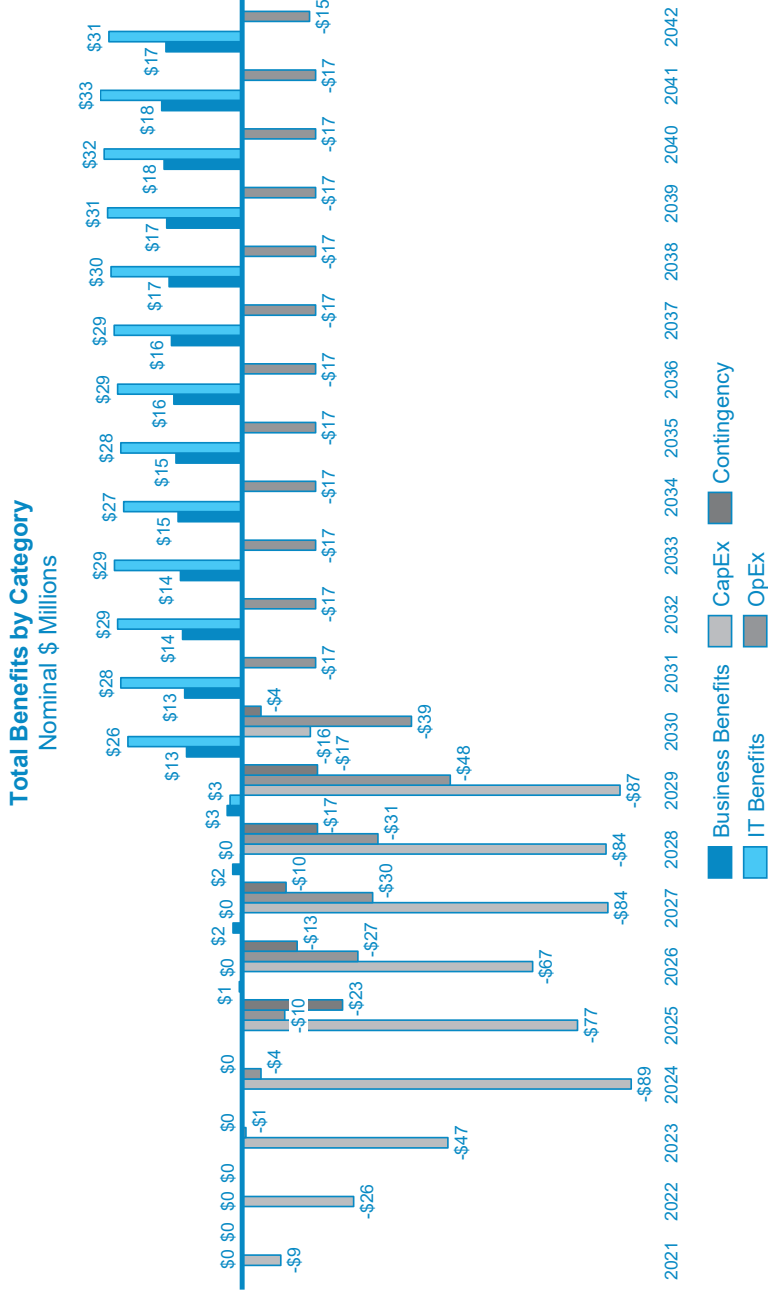
Overall Benefits Summary – Testimony Charts (2 of 3)



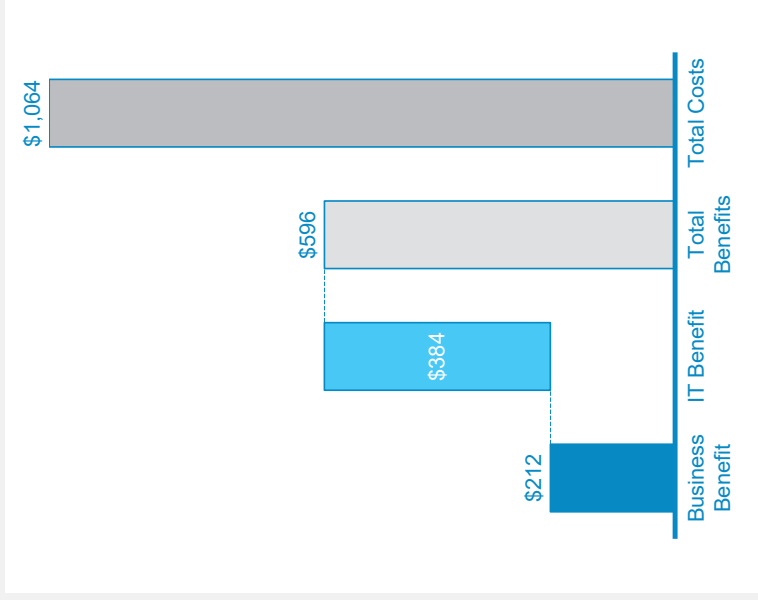


Overall Benefits Summary – Testimony Charts (3 of 3)

Billing Modernization Benefits & Costs – By Year (\$M)

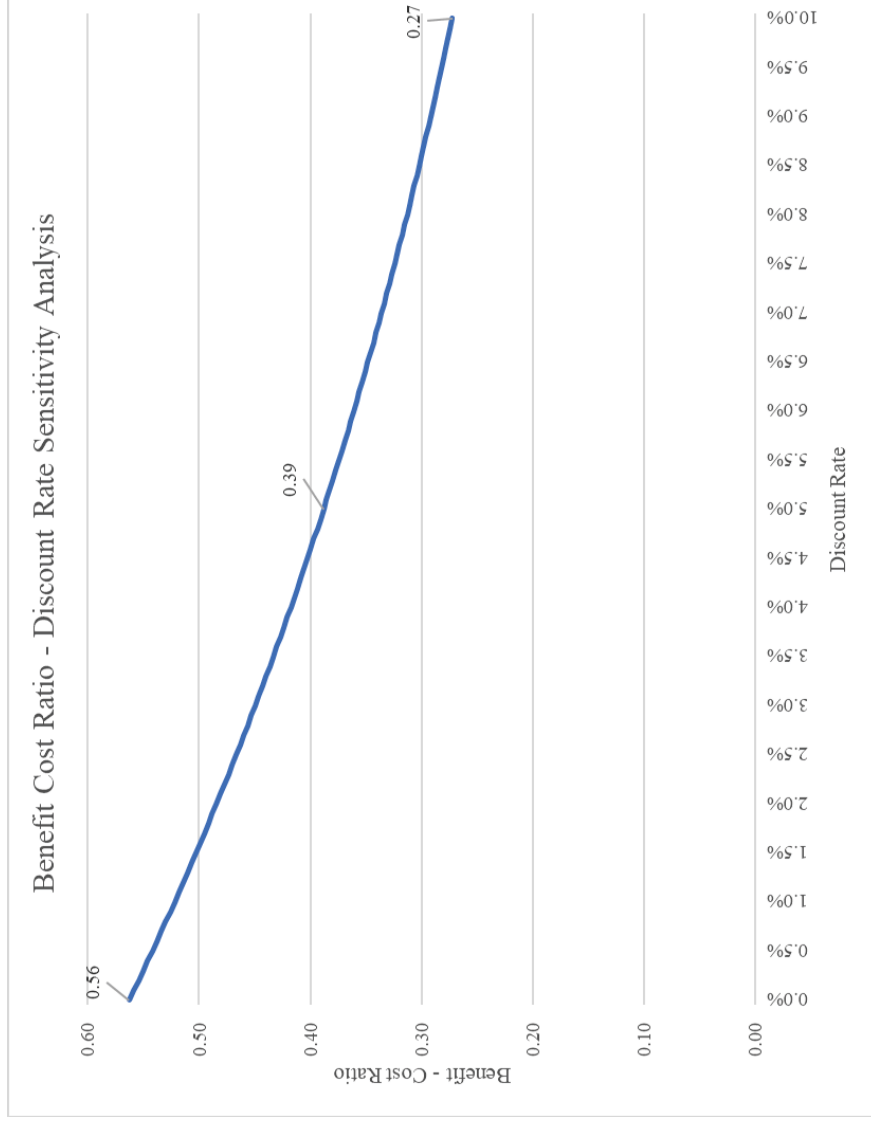


Billing Modernization Benefits & Costs – Total (\$M)



Notes: All estimates and calculations are based on input values as of Sept 30, 2024.

Discount Curve Sensitivity Analysis



WP 6-236

WORKPAPERS SUPPORTING CHAPTER 7

PACIFIC GAS AND ELECTRIC COMPANY
BILLING MODERNIZATION INITIATIVE
WORKPAPERS SUPPORTING CHAPTER 7 – RESULTS OF OPERATIONS

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Line Revenue Requirement Summary by Capital and Expense

	2023	2024	2025	2026	2027	2028	2029	2030	2023-2030
1	Total RRQ (Supports Table 7-1 in Opening Testimony)								
2	Capital Revenue Requirement	\$0	\$1,724,426	\$9,976,643	\$36,792,969	\$59,157,475	\$53,713,725	\$29,757,165	\$120,085,303
3	Expense Revenue Requirement	\$804,392	\$3,929,281	\$6,995,416	\$12,041,923	\$7,105,522	\$8,191,219	\$23,306,117	\$19,567,626
3	Total RRQ (without RF&U) ⁽¹⁾	\$804,392	\$5,653,707	\$16,972,058	\$48,834,893	\$66,262,997	\$61,904,944	\$53,063,282	\$393,149,203

Revenue Requirement Summary by Functional Area

	2023	2024	2025	2026	2027	2028	2029	2030	2023-2030
4	RRQ by Functional Area (Supports Table 7-4 in Opening Testimony)								
5	Electric Distribution (ED)	\$344,930	\$2,424,356	\$7,886,196	\$24,761,634	\$33,598,519	\$31,388,777	\$26,905,630	\$70,810,737
6	Electric Generation (EG)	\$190,365	\$1,337,992	\$2,933,454	\$4,755,492	\$6,452,623	\$6,028,240	\$5,167,248	\$13,599,260
7	Gas Distribution (GD)	\$182,239	\$1,280,877	\$4,166,569	\$13,082,488	\$17,751,342	\$16,583,853	\$14,215,241	\$37,411,934
8	Gas Transmission & Storage (GT&S)	\$86,858	\$610,482	\$1,985,839	\$6,235,278	\$8,460,513	\$7,904,073	\$6,775,162	\$17,830,998
9	Total RRQ (without RF&U) ⁽¹⁾	\$804,392	\$5,653,707	\$16,972,058	\$48,834,893	\$66,262,997	\$61,904,944	\$53,063,282	\$393,149,203

	Alloc Fctr 2023	Alloc Fctr 2024	Alloc Fctr 2025	Alloc Fctr 2026	Alloc Fctr 2027	Alloc Fctr 2028	Alloc Fctr 2029	Alloc Fctr 2030
10	Functional Area Allocation Percentages							
11	Electric Distribution (ED)	38.772%	38.772%	41.679%	45.058%	45.058%	45.058%	45.058%
12	Electric Generation (EG)	21.398%	21.398%	15.504%	8.653%	8.653%	8.653%	8.653%
13	Gas Distribution (GD)	20.484%	20.484%	22.021%	23.806%	23.806%	23.806%	23.806%
14	Gas Transmission and Storage (GT&S)	9.763%	9.763%	10.495%	11.346%	11.346%	11.346%	11.346%
15	Electric Transmission (ET) ⁽²⁾	9.583%	9.583%	10.302%	11.137%	11.137%	11.137%	11.137%
16	Total ⁽¹⁾	90.417%	90.417%	89.698%	88.863%	88.863%	88.863%	88.863%

	2023	2024	2025	2026	2027	2028	2029	2030	2023-2030
17	RRQ by Program								
18	Billing Cloud Service (BCS)	\$0	\$904,171	\$5,301,195	\$31,396,240	\$26,651,053	\$25,450,807	\$24,127,031	\$22,310,480
19	Customer Care and Billing (CC&B) 25.1	\$0	\$26,930	\$4,505,887	\$5,321,987	\$27,988,139	\$24,398,518	\$23,334,864	\$20,719,569
20	Customer-to-Meter (C2M)	\$804,392	\$4,722,606	\$7,164,976	\$12,116,665	\$11,623,805	\$12,055,619	\$5,601,387	\$96,622,980
21	Total RRQ (without RF&U) ⁽¹⁾	\$804,392	\$5,653,707	\$16,972,058	\$48,834,893	\$66,262,997	\$61,904,944	\$53,063,282	\$393,149,203

Notes

- [1] Excludes Electric Transmission (ET) - This filing excludes costs allocated to Electric Transmission, which are recovered under separate FERC-jurisdictional Transmission Owner (TO) cases.
[2] Electric Transmission (ET) allocation percentages are provided for illustrative purposes.

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-2, Customer-to-Meter (C2M) Software Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

Ln.No.		2023	2024	2025	2026	2027	2028	2029	2030
1	Operating Revenue:	889,646	4,468,247	6,739,613	12,438,289	11,945,413	13,114,618	6,323,546	108,733,189
2	Operating Expenses:								
3	Expense	889,646	3,345,728	1,946,123	8,470,037	7,996,011	9,217,771	26,226,920	22,019,909
4	Production	-	-	-	-	-	-	-	-
5	Storage	-	-	-	-	-	-	-	-
6	Transmission	-	-	-	-	-	-	-	-
7	Distribution	-	-	-	-	-	-	-	-
8	Customer Accounts	-	-	-	-	-	-	-	-
9	Customer Services	-	-	-	-	-	-	-	-
10	Administrative and General	-	-	-	-	-	-	-	-
11	Uncollectibles	-	-	-	-	-	-	-	-
12	Franchise Requirements	-	-	-	-	-	-	-	-
12	Subtotal Expenses	889,646	3,345,728	1,946,123	8,470,037	7,996,011	9,217,771	26,226,920	22,019,909
13	Taxes:								
14	Property	-	-	-	-	-	-	-	-
15	Payroll	-	-	-	-	-	-	-	-
16	Other Taxes	-	-	-	-	-	-	-	-
17	State Corporation Franchise	-	(1,199,872)	18,331	(45,560)	140,445	322,686	(22,276,145)	1,161,905
18	Federal Income	-	(128,055)	638,809	231,210	254,138	215,649	(5,762,382)	11,267,138
19	Subtotal Taxes	-	(1,327,927)	657,140	185,650	394,583	538,335	(28,038,527)	12,429,042
20	Depreciation	-	1,448,387	2,482,949	2,482,949	2,482,949	2,482,949	6,274,076	47,976,470
20	Total Operating Expenses	889,646	3,466,189	5,086,213	11,138,636	10,873,543	12,239,056	4,462,469	82,425,422
21	Net for Return	-	1,002,058	1,653,400	1,299,653	1,071,870	875,562	1,861,076	26,307,768
22	Weighted Average Rate Base	-	12,846,900	21,197,440	17,852,376	14,723,489	12,026,956	25,564,232	361,370,434
23	Rate of Return: On Rate Base		7.80%	7.80%	7.28%	7.28%	7.28%	7.28%	7.28%
24	On Equity		10.69%	10.69%	10.00%	10.00%	10.00%	10.00%	10.00%
Jurisdictional Allocations									
Fixed Costs									
25	CPUC	100.0000%	-	1,122,519	4,793,490	3,968,252	3,949,402	3,896,847	(19,903,374)
26	FERC	00.0000%	-	-	-	-	-	-	-
27	Total		-	1,122,519	4,793,490	3,968,252	3,949,402	3,896,847	(19,903,374)
Variable Costs									
28	CPUC	100.0000%	889,646	3,345,728	1,946,123	8,470,037	7,996,011	9,217,771	26,226,920
29	FERC	00.0000%	-	-	-	-	-	-	-
30	Total		889,646	3,345,728	1,946,123	8,470,037	7,996,011	9,217,771	26,226,920
31	Total CPUC Jurisdictional Revenue Requirement	889,646	4,468,247	6,739,613	12,438,289	11,945,413	13,114,618	6,323,546	108,733,189
32	Capital Revenue Requirement	-	1,122,519	4,793,490	3,968,252	3,949,402	3,896,847	(19,903,374)	86,713,280
33	Expense Revenue Requirement	889,646	3,345,728	1,946,123	8,470,037	7,996,011	9,217,771	26,226,920	22,019,909

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-2, Customer-to-Meter (C2M) Software Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

Ln.No.		2023	2024	2025	2026	2027	2028	2029	2030
	Taxable Income:								
1	Operating Revenue	889,646	4,468,247	6,739,613	12,438,289	11,945,413	13,114,618	6,323,546	108,733,189
2	Less: O&M Expenses	889,646	3,345,728	1,946,123	8,470,037	7,996,011	9,217,771	26,226,920	22,019,909
3	Taxes Other Than Income	-	-	-	-	-	-	-	-
4	Interest Charges	-	283,916	468,463	365,974	301,832	246,553	524,067	7,408,094
5	Fiscal/Calendar Property Tax Adjustment	-	-	-	-	-	-	-	-
6	Operating Expense Adjustment	-	-	-	-	-	-	-	-
7	Capitalized Interest Adjustment	-	-	-	-	-	-	-	-
8	Capitalized Inventory Adjustment	-	-	-	-	-	-	-	-
9	Vacation Accrual Reduction	-	-	-	-	-	-	-	-
10	Subtotal Deductions	889,646	3,629,644	2,414,586	8,836,011	8,297,843	9,464,324	26,750,987	29,428,003
11	Taxable Income before Depreciation	-	838,602	4,325,027	3,602,278	3,647,570	3,650,294	(20,427,441)	79,305,187
		-	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	California Corporation Franchise Tax (CCFT)								
12	State Depreciation	-	2,058,830	4,117,661	4,117,661	2,058,830	-	33,080,735	66,161,470
13	Removal Costs	-	-	-	-	-	-	-	-
14	Software Allowance	-	12,352,983	-	-	-	-	198,484,411	-
15	State Taxable Income	-	(13,573,211)	207,366	(515,382)	1,588,740	3,650,294	(251,992,587)	13,143,716
16	CCFT	-	(1,199,872)	18,331	(45,560)	140,445	322,686	(22,276,145)	1,161,905
17	Deferred Taxes - Depreciation	-	-	-	-	-	-	-	-
18	Deferred Taxes - Interest	-	-	-	-	-	-	-	-
19	Deferred Taxes - Vacation	-	-	-	-	-	-	-	-
20	Deferred Taxes- Other	-	-	-	-	-	-	-	-
21	Total CCFT	-	(1,199,872)	18,331	(45,560)	140,445	322,686	(22,276,145)	1,161,905
	Federal Income Tax								
22	Prior Year CCFT	-	-	(1,199,872)	18,331	(45,560)	140,445	322,686	(22,276,145)
23	Federal Depreciation	-	2,058,830	4,117,661	4,117,661	2,058,830	-	33,080,735	66,161,470
24	Removal Costs	-	-	-	-	-	-	-	-
25	Software Allowance	-	-	-	-	-	-	419,726	-
26	Capitalized Software adjustment - Federal	-	1,235,298	2,470,597	2,470,597	2,470,597	2,470,597	21,041,767	39,612,937
27	Preferred Dividend Credit	-	-	-	-	-	-	-	-
28	Federal Taxable Income	-	(2,455,527)	(1,063,359)	(3,004,310)	(836,297)	1,039,253	(75,292,355)	(4,193,076)
29	Federal Income Tax	-	(515,661)	(223,305)	(630,905)	(175,622)	218,243	(15,811,395)	(880,546)
30	Deferred Taxes - Depreciation	-	387,606	862,115	862,115	429,760	(2,594)	10,049,012	12,147,684
31	Deferred Taxes - Interest	-	-	-	-	-	-	-	-
32	Deferred Taxes - Vacation	-	-	-	-	-	-	-	-
33	ARAM	-	-	-	-	-	-	-	-
34	Total Federal Income Tax	-	(128,055)	638,809	231,210	254,138	215,649	(5,762,382)	11,267,138

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-2, Customer-to-Meter (C2M) Software Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

<u>Ln.No.</u>		<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>
Weighted Cost of Capital									
1	Debt	0.00%	2.21%	2.21%	2.05%	2.05%	2.05%	2.05%	2.05%
2	Preferred Stock	0.00%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
3	Common Equity	0.00%	5.56%	5.56%	5.20%	5.20%	5.20%	5.20%	5.20%
4	Total %	0.00%	7.80%	7.80%	7.28%	7.28%	7.28%	7.28%	7.28%
5	Debt	-	283,916	468,463	365,974	301,832	246,553	524,067	7,408,094
6	Preferred Stock	-	3,854	6,359	5,356	4,417	3,608	7,669	108,411
7	Common Equity	-	714,288	1,178,578	928,323	765,621	625,402	1,329,340	18,791,263
8	Total \$	-	1,002,058	1,653,400	1,299,653	1,071,870	875,562	1,861,076	26,307,768
Weighted Average Rate Base									
9	Plant	-	13,382,398	24,705,965	24,705,965	24,705,965	24,705,965	41,246,333	421,674,786
Working Capital									
10	Fuel	-	-	-	-	-	-	-	-
11	Materials and Supplies	-	-	-	-	-	-	-	-
12	Working Cash	-	-	-	-	-	-	-	-
13	Subtotal	-	-	-	-	-	-	-	-
14	Total Plant	-	13,382,398	24,705,965	24,705,965	24,705,965	24,705,965	41,246,333	421,674,786
Less:									
15	Accumulated Deferred Taxes	-	113,052	818,663	1,680,778	2,326,715	2,540,298	2,902,477	18,661,855
16	Deferred Investment Tax Credit	-	-	-	-	-	-	-	-
17	Customer Advances	-	-	-	-	-	-	-	-
18	Deferred CIAC Tax	-	-	-	-	-	-	-	-
19	Vacation Pay Deferral	-	-	-	-	-	-	-	-
20	Capitalized Interest	-	-	-	-	-	-	-	-
21	Subtotal	-	113,052	818,663	1,680,778	2,326,715	2,540,298	2,902,477	18,661,855
22	Accumulated Depreciation	-	422,446	2,689,862	5,172,811	7,655,761	10,138,710	12,779,623	41,642,497
23	Weighted Average Rate Base	-	12,846,900	21,197,440	17,852,376	14,723,489	12,026,956	25,564,232	361,370,434
		-	-	-	-	-	-	-	-

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

[illegible]

Pacific Gas and Electric Company
Workpapers Supporting Chapter 7 Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

Event No.	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
RD No.												
Analysis Period												
Sensitivity												
Jurisdiction												
Plant Investment (Nominal)												
C Type	Common											
C	Common											
C	Common											
C	Common											
Retirements												
CPSP0002 (2022-2028 Capital)												
CPSP0002 (2021 Capital)												
CPSP0002 (2020 Capital)												
CPSP0004 (2021 Capital)												
CPSP0004 (2020 Capital)												
CPSP0002 (2022-2028 Capital)												
CPSP0002 (2021 Capital)												
CPSP0002 (2020 Capital)												
CPSP0004 (2021 Capital)												
CPSP0004 (2020 Capital)												
CPSP0002 (2022-2028 Capital)												
CPSP0002 (2021 Capital)												
CPSP0002 (2020 Capital)												
CPSP0004 (2021 Capital)												
CPSP0004 (2020 Capital)												
Expense Estimates (Nominal)												
Production												
E	By LOB											
162.177	162.177	162.177	162.177	162.177	162.177	162.177	162.177	162.177	162.177	162.177	162.177	162.177
Basic Capitalization												
Depreciation - Factors												
CPSP0002 (2022-2028 Capital)												
CPSP0002 (2021 Capital)												
CPSP0002 (2020 Capital)												
CPSP0004 (2021 Capital)												
CPSP0004 (2020 Capital)												
Taxes												
Property Tax												
CPSP0002 (2022-2028 Capital)												
CPSP0002 (2021 Capital)												
CPSP0002 (2020 Capital)												
CPSP0004 (2021 Capital)												
CPSP0004 (2020 Capital)												
State Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
Federal Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
Corporate Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
CO2 Taxation (\$/ton)												
Corporate Income Tax												
Federal Tax Depreciation - Factors												
CPSP0002 (2022-2028 Capital)												
CPSP0002 (2021 Capital)												
CPSP0002 (2020 Capital)												
CPSP0004 (2021 Capital)												
CPSP0004 (2020 Capital)												
Federal Tax Depreciation - Assets												
CPSP0002 (2022-2028 Capital)												
CPSP0002 (2021 Capital)												
CPSP0002 (2020 Capital)												
CPSP0004 (2021 Capital)												
CPSP0004 (2020 Capital)												
State Tax Depreciation - Factors												
CPSP0002 (2022-2028 Capital)												
CPSP0002 (2021 Capital)												
CPSP0002 (2020 Capital)												
CPSP0004 (2021 Capital)												
CPSP0004 (2020 Capital)												
Software Expense Adjustment												
Deferred Investment Tax Credit												
Interest on Debt												
Interest on Accounts												
Federal												
State												
Pensions & Benefits												
Full Retirement Factors												
Uncollectibles (Avg Rate)												
Franchise												
Total R&I Expense Factor												
Revenues												
Capital Structure (%)												
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%
Preferred	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)												
Debt	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
Equity	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%
Preferred	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Weighted Avg	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

Event No.	RO No.	Asset Category	Asset Name	Asset Type	Asset Class	Asset Subclass	Asset Description	Asset Location	Asset Status	Asset Age	Asset Condition	Asset Value	Asset Cost	Asset Depreciation	Asset Salvage	Asset Disposal	Asset Replacement	Asset Upgrade	Asset Maintenance	Asset Insurance	Asset Tax	Asset Other	Asset Total	Asset Net	Asset Return	Asset Risk	Asset Rating
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22						

[illegible]

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement

Event No.
(Below Book depreciation table only use for basis depreciation in this model due to half month rat

Book Depreciation Rates

1 test
CMP/30302 (202 2-20 29 Capex)
CMP/30302 (202 1 Capex)
CMP/30304 (202 2-20 29 Capex)
CMP/30304 (202 1 Capex)

(Below Straight-Line depreciation in this model, depreciation)

Straight-Line Tax Depreciation Rates

Year
CMP/30302 (202-2-20 29 Capex)
CMP/30302 (202 1 Capex)
CMP/30304 (202-2-20 29 Capex)
CMP/30304 (200-4-20 29 Capex)

Excluded From Commercial Release

Federal Tax Depreciation Rates	
Check	CMP30302 (2022- L60)

Method	Factor	Basis Adjustment	Year	Remaining Life
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Annual Depreciation
Revenue

Reserve	Rate	Incentive
-	-	-

CMP-30302 (2021 Capex)

Method

Factor	Basis Adjustment	Remaining Life	Annual Depreciation
1. Basis			
2. Depreciation			
3. Remaining Basis			
4. Remaining Life			
5. Annual Depreciation			

Reserve
Date:

Rate
Incident

Factor

Basis Adjustment Year	Remaining Life	Annual Depreciation
1990	10	100
1991	9	111.11
1992	8	125.00
1993	7	142.86
1994	6	166.67
1995	5	200.00
1996	4	250.00
1997	3	333.33
1998	2	500.00
1999	1	1,000.00
2000	0	0.00
2001	0	0.00
2002	0	0.00
2003	0	0.00
2004	0	0.00
2005	0	0.00
2006	0	0.00
2007	0	0.00
2008	0	0.00
2009	0	0.00
2010	0	0.00
2011	0	0.00
2012	0	0.00
2013	0	0.00
2014	0	0.00
2015	0	0.00
2016	0	0.00
2017	0	0.00
2018	0	0.00
2019	0	0.00
2020	0	0.00
2021	0	0.00
2022	0	0.00
2023	0	0.00
2024	0	0.00
2025	0	0.00
2026	0	0.00
2027	0	0.00
2028	0	0.00
2029	0	0.00
2030	0	0.00
2031	0	0.00
2032	0	0.00
2033	0	0.00
2034	0	0.00
2035	0	0.00
2036	0	0.00
2037	0	0.00
2038	0	0.00
2039	0	0.00
2040	0	0.00
2041	0	0.00
2042	0	0.00
2043	0	0.00
2044	0	0.00
2045	0	0.00
2046	0	0.00
2047	0	0.00
2048	0	0.00
2049	0	0.00
2050	0	0.00
2051	0	0.00
2052	0	0.00
2053	0	0.00
2054	0	0.00
2055	0	0.00
2056	0	0.00
2057	0	0.00
2058	0	0.00
2059	0	0.00
2060	0	0.00
2061	0	0.00
2062	0	0.00
2063	0	0.00
2064	0	0.00
2065	0	0.00
2066	0	0.00
2067	0	0.00
2068	0	0.00
2069	0	0.00
2070	0	0.00
2071	0	0.00
2072	0	0.00
2073	0	0.00
2074	0	0.00
2075	0	0.00
2076	0	0.00
2077	0	0.00
2078	0	0.00
2079	0	0.00
2080	0	0.00
2081	0	0.00
2082	0	0.00
2083	0	0.00
2084	0	0.00
2085	0	0.00
2086	0	0.00
2087	0	0.00
2088	0	0.00
2089	0	0.00
2090	0	0.00
2091	0	0.00
2092	0	0.00
2093	0	0.00
2094	0	0.00
2095	0	0.00
2096	0	0.00
2097	0	0.00
2098	0	0.00
2099	0	0.00
2100	0	0.00

Rate

CMP30304 (2021 Capex)

Factor	Plant's Adjustment
1. <i>Plant's size</i>	Plant's size is positively related to the plant's adjustment to the market. The larger the plant, the better the adjustment.
2. <i>Plant's age</i>	Plant's age is negatively related to the plant's adjustment to the market. The older the plant, the worse the adjustment.
3. <i>Plant's location</i>	Plant's location is positively related to the plant's adjustment to the market. The closer the plant is to the market, the better the adjustment.
4. <i>Plant's technology</i>	Plant's technology is positively related to the plant's adjustment to the market. The more advanced the technology, the better the adjustment.
5. <i>Plant's management</i>	Plant's management is positively related to the plant's adjustment to the market. The more experienced the management, the better the adjustment.
6. <i>Plant's capital structure</i>	Plant's capital structure is negatively related to the plant's adjustment to the market. The higher the debt-to-equity ratio, the worse the adjustment.
7. <i>Plant's financial performance</i>	Plant's financial performance is positively related to the plant's adjustment to the market. The higher the profitability, the better the adjustment.
8. <i>Plant's market share</i>	Plant's market share is positively related to the plant's adjustment to the market. The higher the market share, the better the adjustment.
9. <i>Plant's industry</i>	Plant's industry is positively related to the plant's adjustment to the market. The more competitive the industry, the better the adjustment.
10. <i>Plant's country</i>	Plant's country is positively related to the plant's adjustment to the market. The more developed the country, the better the adjustment.

Year	Remaining Life	Annual Depreciation	Reserve
1970	10	100	100
1971	9	111	211
1972	8	125	336
1973	7	143	479
1974	6	167	646
1975	5	200	846
1976	4	250	1096
1977	3	333	1429
1978	2	500	1929
1979	1	1000	2929
1980	0	0	3929

• **Chills** (feeling cold, shivering)

State Tax Depreciation Rates
C.M.D. number 2002.2.20.29 (Canada)

Life
S. S. Williams et al.

Method	Factor	Basis Adjustment	Year	Remaining Life
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Reserve

Rate

CMP30302 (2021 Capex)

Life

0.0 million

[illegible]

Basis Adjustment Year	Remaining Life Annual Depreciation Reserve
1990	
1991	
1992	
1993	
1994	
1995	
1996	
1997	
1998	
1999	
2000	
2001	
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2003	
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2094	
2095	
2096	
2097	
2098	
2099	
2100	

• **None**

CMP30304 (202.2.20.29 Capex)

Year

Remaining Life
Annual Depreciation
Reserve
Rate

1.60
1.70
1.80
1.90
2.00
2.10
2.20
2.30
2.40
2.50
2.60
2.70
2.80
2.90
3.00
3.10
3.20
3.30
3.40
3.50
3.60
3.70
3.80
3.90
4.00
4.10
4.20
4.30
4.40
4.50
4.60
4.70
4.80
4.90
5.00
5.10
5.20
5.30
5.40
5.50
5.60
5.70
5.80
5.90
6.00
6.10
6.20
6.30
6.40
6.50
6.60
6.70
6.80
6.90
7.00
7.10
7.20
7.30
7.40
7.50
7.60
7.70
7.80
7.90
8.00
8.10
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Method	Basis Adjustment	Year
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Annual Depreciation

Reserve
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Event No. Jan-26 Feb-26 Mar-26 Apr-26 May-26 Jun-26 Jul-26 Aug-26 Sep-26 Oct-26 Nov-26 Dec-26

Blues Book depreciation table only use for blues depreciation in this model due to half month net

Blues Depreciation Rates

Year	62	63	64	65	66	67	68	69	70
CMP-30302 (202-2070 Capex)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMP-30303 (202-2070 Capex)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMP-30304 (202-2070 Capex)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMP-30304 (202-2070 Capex)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Blues Straight-Line depreciation table only use for blues depreciation in this model depreciation

Straight-Line Tax Depreciation Rates

Year	62	63	64	65	66	67	68	69	70
CMP-30302 (202-2070 Capex)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMP-30302 (202-2070 Capex)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMP-30304 (202-2070 Capex)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CMP-30304 (202-2070 Capex)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Federal Tax Depreciation Rates

Check CMP-30302 (202-2070 Capex)

Method

Factor

Blues Adjustment

Year

Remaining Life

Annual Depreciation

Rate

Incentive

CMP-30302 (202-2070 Capex)

Method

Factor

Blues Adjustment

Year

Remaining Life

Annual Depreciation

Rate

Incentive

CMP-30304 (202-2070 Capex)

Method

Factor

Blues Adjustment

Year

Remaining Life

Annual Depreciation

Rate

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CMP-30304 (202-2070 Capex)

Method

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Blues Adjustment

Year

Remaining Life

Annual Depreciation

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CMP-30304 (202-2070 Capex)

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CMP-30304 (202-2070 Capex)

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Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-3, Customer-to-Meter (C2M) Hardware Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

Ln.No.		2024	2025	2026	2027	2028	2029	2030
1	Operating Revenue:	754,887	1,248,233	1,196,878	1,135,128	451,853	(20,174)	(1,195)
2	Operating Expenses:							
3	Expense	-	-	-	-	-	-	-
4	Production	-	-	-	-	-	-	-
5	Storage	-	-	-	-	-	-	-
6	Transmission	-	-	-	-	-	-	-
7	Distribution	-	-	-	-	-	-	-
8	Customer Accounts	-	-	-	-	-	-	-
9	Customer Services	-	-	-	-	-	-	-
10	Administrative and General	-	-	-	-	-	-	-
11	Uncollectibles	-	-	-	-	-	-	-
12	Franchise Requirements	-	-	-	-	-	-	-
	Subtotal Expenses	-	-	-	-	-	-	-
13	Taxes:							
14	Property	-	12,296	33,310	34,875	20,568	8,272	1,565
15	Payroll	-	-	-	-	-	-	-
16	Other Taxes	-	-	-	-	-	-	-
17	State Corporation Franchise	5,262	6,600	29,604	42,413	1	(25,174)	(7,796)
18	Federal Income	30,251	38,479	28,904	17,965	(7,025)	(4,996)	5,035
19	Subtotal Taxes	35,513	57,375	91,819	95,254	13,544	(21,897)	(1,195)
20	Depreciation	567,926	973,587	973,587	973,587	426,018	-	-
21	Total Operating Expenses	603,439	1,030,962	1,065,406	1,068,841	439,562	(21,897)	(1,195)
22	Net for Return	151,449	217,271	131,472	66,287	12,292	1,724	0
23	Weighted Average Rate Base	1,941,650	2,785,525	1,805,937	910,530	168,840	23,676	-
24	Rate of Return:							
	On Rate Base	7.80%	7.80%	7.28%	7.28%	7.28%	7.28%	#DIV/0!
	On Equity	10.69%	10.69%	10.00%	10.00%	10.00%	10.00%	#DIV/0!
	Jurisdictional Allocations							
	Fixed Costs							
25	CPUC	754,887	1,248,233	1,196,878	1,135,128	451,853	(20,174)	(1,195)
26	FERC	-	-	-	-	-	-	-
27	Total	754,887	1,248,233	1,196,878	1,135,128	451,853	(20,174)	(1,195)
	Variable Costs							
28	CPUC	-	-	-	-	-	-	-
29	FERC	-	-	-	-	-	-	-
30	Total	-	-	-	-	-	-	-
31	Total CPUC Jurisdictional Revenue Requirement	754,887	1,248,233	1,196,878	1,135,128	451,853	(20,174)	(1,195)
32	Capital Revenue Requirement	754,887	1,248,233	1,196,878	1,135,128	451,853	(20,174)	(1,195)
33	Expense Revenue Requirement	-	-	-	-	-	-	-

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-3, Customer-to-Meter (C2M) Hardware Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

Ln.No.		2024	2025	2026	2027	2028	2029	2030
	Taxable Income:							
1	Operating Revenue	754,887	1,248,233	1,196,878	1,135,128	451,853	(20,174)	(1,195)
2	Less: O&M Expenses	-	-	-	-	-	-	-
3	Taxes Other Than Income	-	12,296	33,310	34,875	20,568	8,272	1,565
4	Interest Charges	42,910	61,560	37,022	18,666	3,461	485	-
5	Fiscal/Calendar Property Tax Adjustment	-	12,296	8,719	(7,154)	(7,154)	(5,142)	(1,565)
6	Operating Expense Adjustment	-	-	-	-	-	-	-
7	Capitalized Interest Adjustment	-	-	-	-	-	-	-
8	Capitalized Inventory Adjustment	-	-	-	-	-	-	-
9	Vacation Accrual Reduction	-	-	-	-	-	-	-
10	Subtotal Deductions	42,910	86,152	79,051	46,388	16,876	3,616	-
11	Taxable Income before Depreciation	711,977	1,162,081	1,117,827	1,088,740	434,978	(23,789)	(1,195)
		(0)	(0)	(0)	(0)	(0)	(0)	-
	California Corporation Franchise Tax (CCFT)							
12	State Depreciation	652,451	1,087,418	782,941	608,954	434,967	260,980	86,993
13	Removal Costs	-	-	-	-	-	-	-
14	Software Allowance	-	-	-	-	-	-	-
15	State Taxable Income	59,526	74,663	334,886	479,786	10	(284,770)	(88,189)
16	CCFT	5,262	6,600	29,604	42,413	1	(25,174)	(7,796)
17	Deferred Taxes - Depreciation	-	-	-	-	-	-	-
18	Deferred Taxes - Interest	-	-	-	-	-	-	-
19	Deferred Taxes - Vacation	-	-	-	-	-	-	-
20	Deferred Taxes - Other	-	-	-	-	-	-	-
21	Total CCFT	5,262	6,600	29,604	42,413	1	(25,174)	(7,796)
	Federal Income Tax							
22	Prior Year CCFT	-	5,262	6,600	29,604	42,413	1	(25,174)
23	Federal Depreciation	782,941	1,252,706	751,623	450,974	450,974	225,487	-
24	Removal Costs	-	-	-	-	-	-	-
25	Software Allowance	-	-	-	-	-	-	-
26	Capitalized Software adjustment - Federal	-	-	-	-	-	-	-
27	Preferred Dividend Credit	-	-	-	-	-	-	-
28	Federal Taxable Income	(70,964)	(95,887)	359,604	608,162	(58,410)	(249,277)	23,978
29	Federal Income Tax	(14,902)	(20,136)	75,517	127,714	(12,266)	(52,348)	5,035
30	Deferred Taxes - Depreciation	45,153	58,615	(46,612)	(109,749)	5,241	47,352	-
31	Deferred Taxes - Interest	-	-	-	-	-	-	-
32	Deferred Taxes - Vacation	-	-	-	-	-	-	-
33	ARAM	-	-	-	-	-	-	-
34	Total Federal Income Tax	30,251	38,479	28,904	17,965	(7,025)	(4,996)	5,035

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-3, Customer-to-Meter (C2M) Hardware Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

<u>Ln.No.</u>		<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>
Weighted Cost of Capital								
1	Debt	2.21%	2.21%	2.05%	2.05%	2.05%	2.05%	0.00%
2	Preferred Stock	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.00%
3	Common Equity	5.56%	5.56%	5.20%	5.20%	5.20%	5.20%	0.00%
4	Total %	7.80%	7.80%	7.28%	7.28%	7.28%	7.28%	0.00%
5	Debt	42,910	61,560	37,022	18,666	3,461	485	-
6	Preferred Stock	582	836	542	273	51	7	-
7	Common Equity	107,956	154,875	93,909	47,348	8,780	1,231	0
8	Total \$	151,449	217,271	131,472	66,287	12,292	1,724	0
Weighted Average Rate Base								
9	Plant	2,120,465	3,914,705	3,914,705	3,914,705	3,914,705	3,914,705	3,914,705
Working Capital								
10	Fuel	-	-	-	-	-	-	-
11	Materials and Supplies	-	-	-	-	-	-	-
12	Working Cash	-	-	-	-	-	-	-
13	Subtotal	-	-	-	-	-	-	-
14	Total Plant	2,120,465	3,914,705	3,914,705	3,914,705	3,914,705	3,914,705	3,914,705
Less:								
15	Accumulated Deferred Taxes	13,170	74,461	80,462	2,281	(74,998)	(23,676)	0
16	Deferred Investment Tax Credit	-	-	-	-	-	-	-
17	Customer Advances	-	-	-	-	-	-	-
18	Deferred CIAC Tax	-	-	-	-	-	-	-
19	Vacation Pay Deferral	-	-	-	-	-	-	-
20	Capitalized Interest	-	-	-	-	-	-	-
21	Subtotal	13,170	74,461	80,462	2,281	(74,998)	(23,676)	0
22	Accumulated Depreciation	165,645	1,054,719	2,028,307	3,001,894	3,820,862	3,914,705	3,914,705
23	Weighted Average Rate Base	1,941,650	2,785,525	1,805,937	910,530	168,840	23,676	-
		-	-	-	-	-	-	-

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-3, Customer-to-Meter (C2M) Hardware Revenue Requirements Estimation Model
Model Inputs

Event No.	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
RO No.	Jan-24 Through Dec-34											
Analysis Period	11 Years											
Analysis Life	0.010											
Sensitivity	CPUC											
Jurisdiction	1.000000											
Fixed Costs	1.000000											
Variable Costs	1.000000											
Plant Investment (Nominal)												
Cost Type												
C	Gross Plant Additions											
	Common	3,914,705	Input =====									3,914,705
	Retirements											
Cost Type	Removal Costs (Used for Reserve adjustment and Tax Deductions)											
COR	Common	-										
	Salvage											
	CMP39101											
	CMP39101											
Expense Estimates (Nominal)												
	Production											
Cost Type	Expense											
E	By LOB											
	Common											
Book Capitalization												
	Depreciation - Factors											
	CMP39101											
Taxes												
	Property Tax											
	Business and Other Taxes											
	Payroll (Percent of Labor)											
	State Tax Rate											
	Federal Tax Rate											
	CCFT Deduction (\$000)											
	Composite Federal & State											
	Federal Tax Depreciation - Factors											
	Common											
	CMP39101											
	State Tax Depreciation - Factors											
	CMP39101											
	Software Expense Adjustment											
	Deferred Investment Tax Credit											
	Removal Costs											
	Software Allowance											
	Federal											
	State											
Factors												
	Pension & Benefit											
	F&U Revenue Factors											
	Uncollectibles (Avg. Rate)											
	Franchise											

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of
WPP 7-3, Customer-to-Meter (C2M) Hardware Revenue Requirements
Model Inputs

Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Electric											
-											

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-3, Customer-to-Meter (C2M) Hardware Revenue Requirements Estimation Model
Model Inputs

Event No. RO No.	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24
Capital Structure (%)												
Debt	Input =====											
Equity	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Preferred	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)												
Debt	Input =====											
Equity	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
Preferred	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%
Weighted Avg.	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%
	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%

(Below Book depreciation table only use for basis depreciation in this model due to half month rate policy for additions)

Book Depreciation Rates												
Year	1	2	3	4	5	6	7	8	9	10	11	12
CMP39101	24.87%	24.87%	24.87%	24.87%	0.52%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculate based book depreciation * basis adj)

Straight-Line Tax Depreciation Rates												
Year	1	2	3	4	5	6	7	8	9	10	11	12
CMP39101	24.87%	24.87%	24.87%	24.87%	0.52%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Federal Tax Depreciation Rates

Check	CMP39101												
	Life	5											
	Method	MACRS											
	Factor	2.0											
	Basis Adjustment	1.0000											
	Year	1	2	3	4	5	6	7	8	9	10	11	12
	Remaining Life	5.50	4.50	3.50	2.50	1.50	0.50	-	-	-	-	-	-
	Annual Depreciation	20.000	32.000	19.200	11.520	11.520	5.760	-	-	-	-	-	-
	Reserve	20.000	52.000	71.200	82.720	94.240	100.000	100.000	100.000	100.000	100.000	100.000	100.000
-	Rate	0.20000	0.32000	0.19200	0.11520	0.11520	0.05760	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
-	Incentive	0.20000	0.32000	0.19200	0.11520	0.11520	0.05760	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

State Tax Depreciation Rates

CMP39101												
Life												
Method	ADR_SYD											
Factor	2.0											
Basis Adjustment	1.0000											
Year	1	2	3	4	5	6	7	8	9	10	11	12
Remaining Life	6.50	5.50	4.50	3.50	2.50	1.50	0.50	-	-	-	-	-
Annual Depreciation	16.667	27.778	20.000	15.556	11.111	6.667	2.222	-	-	-	-	-
Reserve	16.667	44.444	64.444	80.000	91.111	97.778	100.000	100.000	100.000	100.000	100.000	100.000
- Rate	0.16667	0.27778	0.20000	0.15556	0.11111	0.06667	0.02222	0.00000	0.00000	0.00000	0.00000	0.00000

Dec-24

Event No.

RO No.

Analysis Period

Analysis Life

Sensitivity

Jurisdiction

Fixed Costs

Variable Costs

Plant Investment (Nominal)

Cost Type

C

Gross Plant Additions

Common

Retirements

Removal Costs (Used for Reserve adjustment and Tax Deductions)

Common

Salvage

Expense Estimates (Nominal)

Production

Expense

By LOB

Common

Book Capitalization

Depreciation - Factors

CMP39101

Taxes

Property Tax

Business and Other Taxes

Payroll (Percent of Labor)

State Tax Rate

Federal Tax Rate

CCFT Deduction (\$000)

Composite Federal & State

Federal Tax Depreciation - Factors

Common

State Tax Depreciation - Factors

CMP39101

Software Expense Adjustment

Deferred Investment Tax Credit

Removal Costs

Software Allowance

Federal

State

Pension & Benefit

F&U Revenue Factors

Uncollectibles (Avg. Rate)

Franchise

Event No. RO No.	Revenue	Total F&U expense factor	Dec-24

Event No.	Dec-24
RO No.	
Capital Structure (%)	
Debt	47.50%
Equity	52.00%
Preferred	0.50%
Total	100.00%
Cost of Capital (%)	
Debt	4.66%
Equity	10.70%
Preferred	5.52%
Weighted Avg.	7.80%

(Below Book depreciation table only use for basis depreciation in this model due to half month rate policy)

Book Depreciation Rates	
Year	13
CMP39101	0.00%

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculat

Straight-Line Tax Depreciation Rates	
Year	13
CMP39101	0.00%

Federal Tax Depreciation Rates

Check	CMP39101
Life	
Method	
Factor	
Basis Adjustment	
Year	13
Remaining Life	-
Annual Depreciation	100.000
Reserve	0.00000
- Rate	0.00000
-	Incentive

State Tax Depreciation Rates

CMP39101	
Life	
Method	
Factor	
Basis Adjustment	
Year	13
Remaining Life	-
Annual Depreciation	100.000
Reserve	0.00000
- Rate	

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Jan-25 Feb-25 Mar-25 Apr-25 May-25 Jun-25 Jul-25 Aug-25 Sep-25 Oct-25 Nov-25 Dec-25

Total F&U expense factor

Revenue

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Event No. RO No.	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
Capital Structure (%)												
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%
Preferred	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)												
Debt	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
Equity	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%
Preferred	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%
Weighted Avg.	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%	7.80%

(Below Book depreciation table only use for basis depreciation in this model due to half month rate policy)

Book Depreciation Rates												
Year	14	15	16	17	18	19	20	21	22	23	24	25
CMP39101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Straight-Line Tax Depreciation Rates												
Year	14	15	16	17	18	19	20	21	22	23	24	25
CMP39101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Federal Tax Depreciation Rates

Check	CMP39101
Method	Life
Factor	14
Basis Adjustment	15
Year	16
Remaining Life	17
Annual Depreciation	18
Reserve	19
Rate	20
Incentive	21
	22
	23
	24
	25

State Tax Depreciation Rates

Check	CMP39101
Method	Life
Factor	14
Basis Adjustment	15
Year	16
Remaining Life	17
Annual Depreciation	18
Reserve	19
Rate	20
	21
	22
	23
	24
	25

Event No.	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26
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Model Inputs

Jan-26 Feb-26 Mar-26 Apr-26 May-26 Jun-26 Jul-26 Aug-26 Sep-26 Oct-26 Nov-26 Dec-26

Total F&U expense factor

Revenue

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Event No. RO No.	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26
Capital Structure (%)												
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%
Preferred	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)												
Debt	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%
Equity	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Preferred	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%
Weighted Avg.	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%

(Below Book depreciation table only use for basis depreciation in this model due to half month rate policy)

Book Depreciation Rates												
Year	26	27	28	29	30	31	32	33	34	35	36	37
CMP39101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Straight-Line Tax Depreciation Rates												
Year	26	27	28	29	30	31	32	33	34	35	36	37
CMP39101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Federal Tax Depreciation Rates

Check	CMP39101
Method	Life
Factor	Method
Basis Adjustment	Factor
Year	Year
Remaining Life	Remaining Life
Annual Depreciation	Annual Depreciation
Reserve	Reserve
Rate	Rate
Incentive	Incentive

State Tax Depreciation Rates

Check	CMP39101
Method	Life
Factor	Method
Basis Adjustment	Factor
Year	Year
Remaining Life	Remaining Life
Annual Depreciation	Annual Depreciation
Reserve	Reserve
Rate	Rate

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Model Inputs**

[illegible]

Pacific Gas and Electric Company
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Jan-27 Feb-27 Mar-27 Apr-27 May-27 Jun-27 Jul-27 Aug-27 Sep-27 Oct-27 Nov-27 Dec-27

Total F&U expense factor

Revenue

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Event No.	RO No.	Analysis Period	Analysis Life	Analysis Sensitivity	Analysis Jurisdiction	Fixed Costs	Variable Costs	Jan-28	Feb-28	Mar-28	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28
Plant Investment (Nominal)																			
Cost Type	C	Gross Plant Additions	Common	CMP39101															
Retirements																			
CMP39101																			
Removal Costs (Used for Reserve adjustment and Tax Deductions)																			
Cost Type	COR	Common	CMP39101																
Salvage																			
CMP39101																			
Expense Estimates (Nominal)																			
Production																			
Cost Type	E	Expense	By LOB																
Common																			
Book Capitalization																			
Depreciation - Factors																			
CMP39101																			
Taxes																			
Property Tax																			
Business and Other Taxes																			
Payroll (Percent of Labor)																			
State Tax Rate																			
Federal Tax Rate																			
CCFT Deduction (\$000)																			
Composite Federal & State																			
Federal Tax Depreciation - Factors																			
Common																			
CMP39101																			
State Tax Depreciation - Factors																			
CMP39101																			
Software Expense Adjustment																			
Deferred Investment Tax Credit																			
Removal Costs																			
Software Allowance																			
Federal																			
State																			
Factors																			
Pension & Benefit																			
F&U Revenue Factors																			
Uncollectibles (Avg. Rate)																			
Franchise																			

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Jan-28 Feb-28 Mar-28 Apr-28 May-28 Jun-28 Jul-28 Aug-28 Sep-28 Oct-28 Nov-28 Dec-28

Total F&U expense factor

Revenue

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Event No. RO No.	Jan-28	Feb-28	Mar-28	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28
Capital Structure (%)												
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%
Preferred	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)												
Debt	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%
Equity	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Preferred	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%
Weighted Avg.	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%

(Below Book depreciation table only use for basis depreciation in this model due to half month rate policy)

Book Depreciation Rates												
Year	50	51	52	53	54	55	56	57	58	59	60	61
CMP39101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Straight-Line Tax Depreciation Rates												
Year	50	51	52	53	54	55	56	57	58	59	60	61
CMP39101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Federal Tax Depreciation Rates

Check	CMP39101
Method	Life
Factor	50
Basis Adjustment	51
Year	52
Remaining Life	53
Annual Depreciation	54
Reserve	55
Rate	56
Incentive	57
	58
	59
	60
	61

State Tax Depreciation Rates

Check	CMP39101
Method	Life
Factor	50
Basis Adjustment	51
Year	52
Remaining Life	53
Annual Depreciation	54
Reserve	55
Rate	56
	57
	58
	59
	60
	61

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[illegible]

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Jan-29 Feb-29 Mar-29 Apr-29 May-29 Jun-29 Jul-29 Aug-29 Sep-29 Oct-29 Nov-29 Dec-29

Total F&U expense factor

Revenue

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Event No. RO No.	Jan-29	Feb-29	Mar-29	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29
Capital Structure (%)												
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%
Preferred	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)												
Debt	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%
Equity	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Preferred	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%
Weighted Avg.	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%

(Below Book depreciation table only use for basis depreciation in this model due to half month rate policy)

Book Depreciation Rates									
Year	62	63	64	65	66	67	68	69	70
CMP39101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Straight-Line Tax Depreciation Rates									
Year	62	63	64	65	66	67	68	69	70
CMP39101	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculat

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Federal Tax Depreciation Rates												
Check	CMP39101											
Method	Life	62	63	64	65	66	67	68	69	70		
Factor	Basis Adjustment	-	-	-	-	-	-	-	-	-		
Year	Remaining Life	-	-	-	-	-	-	-	-	-		
Annual Depreciation	Reserve	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000		
-	Rate	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
-	Incentive	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		

State Tax Depreciation Rates												
Check	CMP39101											
Method	Life	62	63	64	65	66	67	68	69	70		
Factor	Basis Adjustment	-	-	-	-	-	-	-	-	-		
Year	Remaining Life	-	-	-	-	-	-	-	-	-		
Annual Depreciation	Reserve	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000		
-	Rate	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		

**Pacific Gas and Electric Company
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Event No.					
RO No.					
Analysis Period					
Analysis Life					
Sensitivity					
Jurisdiction					
Fixed Costs					
Variable Costs					
<hr/>					
Plant Investment (Nominal)					
Gross Plant Additions					
Cost Type	C	Common	CMP39101		
<hr/>					
Retirements					
CMP39101					
<hr/>					
Removal Costs (Used for Reserve adjustment and Tax Deductions)					
Cost Type	COR	Common	CMP39101		
<hr/>					
Salvage					
CMP39101					
<hr/>					
Expense Estimates (Nominal)					
Production					
Cost Type	E	By LOB			
<hr/>					
Expense					
Common					
<hr/>					
Book Capitalization					
Depreciation - Factors					
CMP39101					
<hr/>					
Taxes					
Property Tax					
Business and Other Taxes					
Payroll (Percent of Labor)					
<hr/>					
State Tax Rate					
Federal Tax Rate		21.00%	21.00%	21.00%	21.00%
<hr/>					
CCFT Deduction (\$000)					
Composite Federal & State					
<hr/>					
Federal Tax Depreciation - Factors					
Common		CMP39101			
<hr/>					
State Tax Depreciation - Factors					
CMP39101					
<hr/>					
Software Expense Adjustment					
Deferred Investment Tax Credit					
Removal Costs					
Software Allowance					
Federal					
State					
<hr/>					
Factors					
Pension & Benefit					
F&U Revenue Factors					
Uncollectibles (Avg. Rate)					
Franchise					
<hr/>					
Dec-30					
Nov-30					
Oct-30					
Sep-30					
Aug-30					
Jul-30					
Jun-30					
May-30					
Apr-30					
Mar-30					
Feb-30					
Jan-30					

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<u>Jan-30</u>	<u>Feb-30</u>	<u>Mar-30</u>	<u>Apr-30</u>	<u>May-30</u>	<u>Jun-30</u>	<u>Jul-30</u>	<u>Aug-30</u>	<u>Sep-30</u>	<u>Oct-30</u>	<u>Nov-30</u>	<u>Dec-30</u>
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Total F&U expense factor

Revenue

Pacific Gas and Electric Company
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Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

Event No. RO No.	Jan-30	Feb-30	Mar-30	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30
Capital Structure (%)												
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%	52.00%
Preferred	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)												
Debt	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%
Equity	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Preferred	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%	5.52%
Weighted Avg.	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%

(Below Book Depreciation table only use for basis depreciation in this model due to half month rate policy)

Book Depreciation Rates

Year
CMP39101

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculat

Straight-Line Tax Depreciation Rates

Year
CMP39101

Federal Tax Depreciation Rates

Check
CMP39101

Method
Factor
Basis Adjustment
Year
Remaining Life
Annual Depreciation
Reserve
- Rate
- Incentive

State Tax Depreciation Rates

CMP39101

Life
Method
Factor
Basis Adjustment
Year
Remaining Life
Annual Depreciation
Reserve
- Rate

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-4, Customer Care and Billing (CC&B) 2&1 Software Requirements Estimation Model
Results of Operations Calculations (Whole dollars)

Ln.No.	2023	2024	2025	2026	2027	2028	2029	2030
1	-	0	3,452,689	4,198,481	#####	#####	#####	#####
2	Operating Revenue:							
3	Operating Expenses:							
4	-	-	3,452,689	5,081,022	-	-	-	-
5	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-
12	-	-	3,452,689	5,081,022	-	-	-	-
13	Taxes:							
14	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-
16	-	-	-	#####	744,535	437,187	1,227,774	2,001,973
17	-	-	-	#####	3,026,524	926,181	947,205	698,732
18	-	-	-	#####	3,771,059	1,363,368	2,174,979	2,700,705
19	-	-	-	#####	4,522,921	#####	#####	#####
20	-	-	3,452,689	2,593,579	#####	#####	#####	#####
21	-	-	-	1,604,901	6,765,873	5,277,726	3,859,525	2,581,218
22	-	-	-	#####	#####	#####	#####	#####
23	Rate of Return On Rate Base							
24	On Equity							
25	Jurisdictional Allocations							
26	-	-	-	(882,541)	#####	#####	#####	#####
27	-	-	-	(882,541)	#####	#####	#####	#####
28	Variable Costs							
29	-	-	3,452,689	5,081,022	-	-	-	-
30	-	-	3,452,689	5,081,022	-	-	-	-
31	-	-	3,452,689	4,198,481	#####	#####	#####	#####
32	Capital Revenue Requirement							
33	-	-	-	(882,541)	#####	#####	#####	#####
34	-	-	3,452,689	5,081,022	-	-	-	-

Results of Operations Calculations (whole dollars)

In No

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-4, Customer Care and Billing (CC&B) 23.1 Software Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

Ln.No.		2023	2024	2025	2026	2027	2028	2029	2030
	Weighted Cost of Capital								
1	Debt	0.00%	0.00%	0.00%	0.00%	0.05%	0.05%	0.05%	0.05%
2	Preferred Stock	0.00%	0.00%	0.00%	0.00%	0.05%	0.05%	0.05%	0.05%
3	Common Equity	0.00%	0.00%	0.00%	0.00%	0.05%	0.05%	0.05%	0.05%
4	Total %	0.00%	0.00%	0.00%	0.00%	0.05%	0.05%	0.05%	0.05%
5	Debt	-	-	-	451,930	1,905,225	1,486,173	1,096,817	728,854
6	Preferred Stock	-	-	-	6,614	48,881	3,761,749	5,805	184,057
7	Common Equity	-	-	-	1,104,901	6,785,573	5,277,725	3,659,525	2,381,716
8	Total \$	-	-	-	-	-	-	-	-
9	Weighted Average Rate base								
10	Plant	-	-	-	#####	#####	#####	#####	#####
11	Working Capital	-	-	-	-	-	-	-	-
12	Materials and Supplies	-	-	-	-	-	-	-	-
13	Working Cash	-	-	-	-	-	-	-	-
14	Subtotal	-	-	-	-	-	-	-	-
15	Total Plant	-	-	-	#####	#####	#####	#####	#####
16	Less:								
17	Accumulated Deferred Taxes	-	-	-	265,595	3,299,712	5,649,610	7,038,704	6,506,187
18	Deferred Investment Tax Credit	-	-	-	-	-	-	-	-
19	Discontinued Assets	-	-	-	-	-	-	-	-
20	Unsettled Liabilities	-	-	-	-	-	-	-	-
21	Vacation Pay Deferral	-	-	-	-	-	-	-	-
22	Capitalized Interest	-	-	-	-	-	-	-	-
23	Subtotal	-	-	-	265,595	3,299,712	5,649,610	7,038,704	6,506,187
24	Accumulated Depreciation	-	-	-	565,365	#####	#####	#####	#####
25	Weighted Average Rate base	-	-	-	#####	#####	#####	#####	#####

Pacific Gas and Electric Company
Engineering Information
Workpapers Supporting Chapter 7 Results of Operations
WP 7-4, Customer Care and Billing (CC&B) 26.1 Software Revenue Requirements Estimation Model

Event No. RO No.	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Capital Structure (%)	Input ==>>												
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%
Weighted Avg.	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)	Input ==>>												
Debt	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.66%	4.31%	4.31%	4.31%	4.31%	4.31%
Equity	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.70%	10.00%	10.00%	10.00%	10.00%	10.00%
Weighted Avg.	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.60%	7.28%	7.28%	7.28%	7.28%	7.28%

(Below Book Depreciation table only use for basis depreciation in this model due to half month rate policy for additions)

Book Depreciation Rates		1
Year		
CHP 30302		17.19%
CHP30304		10.05%

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculate based book depreciation * basis adj)

(Below Straight-Line Tax Depreciation table only use for basis depreciation in this model, depreciation calculate based book depreciation * basis adj)

Straight-Line Tax Depreciation Rates												
Year												
CMP30302												
CMP30304												

Federal Tax Depreciation Rates

Check	Life	2	3	4	5	6	7	8	9	10	11	12	13
Life	3	2	3	4	5	6	7	8	9	10	11	12	13
Method	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Basis Adjustment	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Year	3.50	2.50	1.50	0.50	-	-	-	-	-	-	-	-	-
Remaining Life	16.667	33.333	33.333	16.667	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Annual Depreciation	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667
Reserve	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Rate	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Incentive	-	-	-	-	-	-	-	-	-	-	-	-	-
CHP30304													
Life	3	2	3	4	5	6	7	8	9	10	11	12	13
Method	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Basis Adjustment	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Year	3.50	2.50	1.50	0.50	-	-	-	-	-	-	-	-	-
Remaining Life	16.667	33.333	33.333	16.667	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Annual Depreciation	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667
Reserve	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Rate	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Incentive	-	-	-	-	-	-	-	-	-	-	-	-	-
CHP30304													
Life	3	2	3	4	5	6	7	8	9	10	11	12	13
Method	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Basis Adjustment	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Year	3.50	2.50	1.50	0.50	-	-	-	-	-	-	-	-	-
Remaining Life	16.667	33.333	33.333	16.667	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Annual Depreciation	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667
Reserve	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Rate	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Incentive	-	-	-	-	-	-	-	-	-	-	-	-	-
CHP30304													

State Tax Depreciation Rates

Check	Life	2	3	4	5	6	7	8	9	10	11	12	13
Life	3	2	3	4	5	6	7	8	9	10	11	12	13
Method	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Basis Adjustment	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Year	3.50	2.50	1.50	0.50	-	-	-	-	-	-	-	-	-
Remaining Life	16.667	33.333	33.333	16.667	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Annual Depreciation	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667
Reserve	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Rate	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Incentive	-	-	-	-	-	-	-	-	-	-	-	-	-
CHP30304													
Life	3	2	3	4	5	6	7	8	9	10	11	12	13
Method	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Basis Adjustment	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000	0.5000
Year	3.50	2.50	1.50	0.50	-	-	-	-	-	-	-	-	-
Remaining Life	16.667	33.333	33.333	16.667	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Annual Depreciation	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667	16.667
Reserve	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Rate	0.16667	0.33333	0.33333	0.16667	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Incentive	-	-	-	-	-	-	-	-	-	-	-	-	-
CHP30304													

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

WP 7-4, C

Event No. RO No. Analysis Period Sensitivity Jurisdiction	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
Plant Investment (Nominal)												
Cost Type Gross Plant Additions	AI											
Common												
C												
Retirements												
CMP30302												
CMP30304												
COR												
Removal Costs (Used for Reserve adjustment and Tax Deduction)												
Common												
COR												
Salvage												
CMP30302												
CMP30304												
Expense Estimates (Nominal)												
Production												
Expense												
Common												
By LOB												
Book Capitalization												
Depreciation - Factors												
CMP30302												
CMP30304												
Taxes												
Property Tax												
Business and Other Taxes												
Payroll (Percent of Labor)												
State Tax Rate												
Federal Tax Rate												
CCFT Deduction (\$000)												
Composite Federal & State												
Federal Tax Depreciation - Factors												
Common												
CMP30302												
CMP30304												
Federal Tax Depreciation - Amounts												
CMP30302												
CMP30304												
State Tax Depreciation - Factors												
CMP30302												
CMP30304												
Software Expense Adjustment												
Deferred Investment Tax Credit												
Removal Costs												
Software Allowance												
Federal												
State												
Factors												
Pension & Benefit												
F&U Revenue Factors												
Franchise Fees (Avg. Rate)												
Franchise												
Total F&U expense factor												
Revenue												

Event No.
RONO

WP 7-4, C

Pacific Gas and Electric Company
Billing System Modernization
Workpapers Supporting Chapter 7 Revenue Requirement
Revenue Requirement Inputs
Model Inputs

Capital Structure (%)	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%
Weighted Avg	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Cost of Capital (%)	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24
Debt	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
Equity	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%
Weighted Avg	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%

(Below book depreciation table only use for basis depreciation in this model due to half month rate policy for addition)

Book Depreciation Rates

CMP30302
CMP30304

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculate based bc

Straight-Line Tax Depreciation Rates

CMP30302
CMP30304

Federal Tax Depreciation Rates

Check
CMP30302

Life
Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

WP 7-4, C

Event No. RO No. Analysis Period Sensitivity Jurisdiction	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
Plant Investment (Nominal)												
Cost Type Gross Plant Additions	AI											
Common												
C												
Retirements												
Common												
COR												
Removal Costs (Used for Reserve adjustment and Tax Deduction)												
Common												
COR												
Salvage												
Common												
COR												
Expense Estimates (Nominal)												
Production												
By LOB												
Common	287,724	287,724	287,724	287,724	287,724	287,724	287,724	287,724	287,724	287,724	287,724	287,724
Book Capitalization												
Depreciation - Factors												
Common												
COR												
Taxes												
Property Tax												
Business and Other Taxes												
Payroll (Percent of Labor)												
State Tax Rate												
Federal Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
CCFT Deduction (\$000)												
Composite Federal & State												
Federal Tax Depreciation - Factors												
Common												
COR												
Federal Tax Depreciation - Amounts												
Common												
COR												
State Tax Depreciation - Factors												
Common												
COR												
Software Expense Adjustment												
Deferred Investment Tax Credit												
Removal Costs												
Software Allowance												
Federal												
State												
Pension & Benefit												
F&U Revenue Factors												
Franchise Fees (Avg. Rate)												
Franchise												
Total F&U expense factor												
Revenue												

Event No.
RONO.

Capital Structure (%)

WP 7-4, C

Pacific Gas and Electric Company
Billing System Modernization
Workpapers Supporting Chapter 7 Revenue Requirement
Revenue Requirement Estimate Model
Model Inputs

	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%
Weighted Avg	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Total												
Cost of Capital (%)												
Debt	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
Equity	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%	10.70%
Weighted Avg	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%	7.86%

(Below book depreciation table only use for basis depreciation in this model due to half month rate policy for addition

Book Depreciation Rates

CMP30302
CMP30304

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculate based bc

Straight-Line Tax Depreciation Rates

CMP30302
CMP30304

Federal Tax Depreciation Rates

Check

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

[illegible]

Event No.
RONO

WP 7.4, C

Pacific Gas and Electric Company
Billing System Modernization
Workpapers Supporting Chapter 7 Revenue Requirement
Revenue Requirement Charts Estimation Model
Model Inputs

Capital Structure (%)	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%
Weighted Avg	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Total												
Cost of Capital (%)												
Debt	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%
Equity	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Weighted Avg	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%

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Book Depreciation Rates

CMP30302
CMP30304

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Straight-Line Tax Depreciation Rates

CMP30302
CMP30304

Federal Tax Depreciation Rates

Check
CMP30302

Life
Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

WP 7-4, C Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

Event No. RO No. Analysis Period Sensitivity Jurisdiction	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
Fixed Costs												
Variable Costs												
Plant Investment (Nominal)												
Cost Type Gross Plant Additions	AI											
C Common	CMP30302											
C Common	CMP30304											
C Retirements												
COR Common	CMP30302											
COR Common	CMP30304											
Cost Type Removal Costs (Used for Reserve adjustment and Tax Deduction)	AI											
COR Common	CMP30302											
COR Common	CMP30304											
COR Salvage												
COR Salvage	CMP30302											
COR Salvage	CMP30304											
Expense Estimates (Nominal)												
Production	AI											
Cost Type Expense	By LOB											
E Common												
Book Capitalization												
Depreciation - Factors												
CMP30302												
CMP30304												
Taxes												
Property Tax												
Business and Other Taxes												
Payroll (Percent of Labor)												
State Tax Rate												
Federal Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
CCFT Deduction (\$000)												
Composite Federal & State												
Federal Tax Depreciation - Factors												
Common	CMP30302											
Common	CMP30304											
Federal Tax Depreciation - Amounts												
CMP30302												
CMP30304												
State Tax Depreciation - Factors												
CMP30302												
CMP30304												
Software Expense Adjustment												
Deferred Investment Tax Credit												
Removal Costs												
Software Allowance												
Federal												
State												
Factors												
Pension & Benefit												
F&U Revenue Factors												
Transmissions (Avg. Rate)												
Finlandia												
Total F&U expense factor												
Revenue												

Event No.
RONO

Capital Structure (%)

WP 7.4, C

Pacific Gas and Electric Company
Billing System Modernization
Workpapers Supporting Chapter 7 Revenue Requirement
Revenue Requirement Inputs
Model Inputs

	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%
Weighted Avg	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Cost of Capital (%)												
Debt	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%
Equity	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Weighted Avg	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%

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Book Depreciation Rates

CMP30302
CMP30304

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculate based bc

Straight-Line Tax Depreciation Rates

CMP30302
CMP30304

Federal Tax Depreciation Rates

Check

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

WP 7-4, C

Event No. RO No. Analysis Period Sensitivity Jurisdiction	Jan-28	Feb-28	Mar-28	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28
Plant Investment (Nominal)												
Cost Type Gross Plant Additions	AI											
C Common	CMP30302											
C Common	CMP30304											
C Retirements	CMP30302											
C Retirements	CMP30304											
COR Common	CMP30302											
COR Common	CMP30304											
COR Salvage	CMP30302											
COR Salvage	CMP30304											
Expense Estimates (Nominal)												
Production	AI											
Cost Type Expense	By LOB											
E Common												
Book Capitalization												
Depreciation - Factors	CMP30302											
Depreciation - Factors	CMP30304											
Taxes												
Property Tax												
Business and Other Taxes												
Payroll (Percent of Labor)												
State Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
Federal Tax Rate												
CCFT Deduction (\$000)												
Composite Federal & State												
Federal Tax Depreciation - Factors												
Common	CMP30302											
Common	CMP30304											
Federal Tax Depreciation - Amounts												
CMP30302												
CMP30304												
State Tax Depreciation - Factors												
CMP30302												
CMP30304												
Software Expense Adjustment												
Deferred Investment Tax Credit												
Removal Costs												
Software Allowance												
Federal												
State												
Factors												
Pension & Benefit												
F&U Revenue Factors												
Transmissions (Avg. Rate)												
Finlandia												
Total F&U expense factor												
Revenue												

Event No.
RONO

Capital Structure (%)

WP 7.4, C

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7 Revenue Requirement
Revenue Requirement Estimate Model
Model Inputs

	Jan-28	Feb-28	Mar-28	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28
Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%
Equity	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%	52.50%
Weighted Avg	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Total												
Cost of Capital (%)												
Debt	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%	4.31%
Equity	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
Weighted Avg	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%

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Book Depreciation Rates

CMP30302
CMP30304

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculate based bc

Straight-Line Tax Depreciation Rates

CMP30302
CMP30304

Federal Tax Depreciation Rates

Check

CMP30302

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Incentive

State Tax Depreciation Rules

CMP30302

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

CMP30304

Life

Method

Factor

Basis Adjustment

Year

Remaining Life

Annual Depreciation

Reserve

Rate

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

WP 7-4, C

Event No. RO No. Analysis Period Sensitivity Jurisdiction	Jan-29	Feb-29	Mar-29	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29
Plant Investment (Nominal)												
Cost Type Gross Plant Additions	AI											
C Common	CMP30302											
C Common	CMP30304											
C Retirements	CMP30302											
C Retirements	CMP30304											
COR Common	CMP30302											
COR Common	CMP30304											
COR Salvage	CMP30302											
COR Salvage	CMP30304											
Expense Estimates (Nominal)												
Production	AI											
Cost Type Expense	By LOB											
E Common												
Book Capitalization												
Depreciation - Factors												
	CMP30302											
	CMP30304											
Taxes												
Property Tax												
Business and Other Taxes												
Payroll (Percent of Labor)												
State Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
Federal Tax Rate												
CCFT Deduction (\$000)												
Composite Federal & State												
Federal Tax Depreciation - Factors												
Common	CMP30302											
Common	CMP30304											
Federal Tax Depreciation - Amounts												
	CMP30302											
	CMP30304											
State Tax Depreciation - Factors												
	CMP30302											
	CMP30304											
Software Expense Adjustment												
Deferred Investment Tax Credit												
Removal Costs	-	-	-	-	-	-	-	-	-	-	-	-
Software Allowance												
Federal	-	-	-	-	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-	-	-	-	-
Factors												
Pension & Benefit												
F&U Revenue Factors												
Franchisees (Avg. Rate)												
Franchisees												
Total F&U expense factor												
Revenue												

Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model
Model Inputs

WP 7-4, C

Event No. RO No. Analysis Period Sensitivity Jurisdiction	Jan-30	Feb-30	Mar-30	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30
Plant Investment (Nominal)												
Cost Type Gross Plant Additions	AI											
C Common	CMP30302											
C Common	CMP30304											
Retirements												
	CMP30302											
	CMP30304											
Cost Type Removal Costs (Used for Reserve adjustment and Tax Deduction)	AI											
COR Common	CMP30302											
COR Common	CMP30304											
Salvage												
	CMP30302											
	CMP30304											
Expense Estimates (Nominal)												
Production	AI											
Cost Type Expense	By LOB											
E Common												
Book Capitalization												
Depreciation - Factors												
	CMP30302											
	CMP30304											
Taxes												
Property Tax												
Business and Other Taxes												
Payroll (Percent of Labor)												
State Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
Federal Tax Rate												
CCFT Deduction (\$000)												
Composite Federal & State												
Federal Tax Depreciation - Factors												
Common	CMP30302											
Common	CMP30304											
Federal Tax Depreciation - Amounts												
	CMP30302											
	CMP30304											
State Tax Depreciation - Factors												
	CMP30302											
	CMP30304											
Software Expense Adjustment												
Deferred Investment Tax Credit												
Removal Costs												
Software Allowance												
Federal												
State												
Factors												
Pension & Benefit												
F&U Revenue Factors												
Franchise Fees (Avg. Rate)												
Franchise												
Total F&U expense factor												
Revenue												

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-5, Customer Care and Billing (CC&B) 25.1 Hardware Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

Ln.No.		2023	2024	2025	2026	2027	2028	2029	2030
1	Operating Revenue:	(0)	29,784	#####	#####	#####	#####	#####	(57,751)
2	Operating Expenses:	-	-	-	-	-	-	-	-
3	Expense	-	-	-	-	-	-	-	-
4	Production	-	-	-	-	-	-	-	-
5	Storage	-	-	-	-	-	-	-	-
6	Transmission	-	-	-	-	-	-	-	-
7	Distribution	-	-	-	-	-	-	-	-
8	Customer Accounts	-	-	-	-	-	-	-	-
9	Customer Services	-	-	-	-	-	-	-	-
10	Administrative and General	-	-	-	-	-	-	-	-
11	Uncollectibles	-	-	-	-	-	-	-	-
12	Franchise Requirements	-	-	-	-	-	-	-	-
12	Subtotal Expenses	-	-	-	-	-	-	-	-
13	Taxes:	-	-	-	-	-	-	-	-
14	Property	-	-	16,930	46,492	65,959	75,538	61,495	29,335
15	Payroll	-	-	-	-	-	-	-	-
16	Other Taxes	-	-	-	-	-	-	-	-
17	State Corporation Franchise	(0)	(67,061)	12,844	(2,538)	63,085	103,129	93,652	(59,783)
18	Federal Income	(0)	(15,085)	73,330	41,454	85,704	49,955	14,038	(35,192)
19	Subtotal Taxes	(0)	(82,145)	103,105	85,407	214,748	228,622	169,185	(65,641)
20	Depreciation	-	97,528	#####	#####	#####	#####	#####	-
21	Total Operating Expenses	(0)	15,383	#####	#####	#####	#####	#####	(65,641)
22	Net for Return	(0)	14,401	297,238	255,928	366,765	209,557	63,303	7,890
23	Weighted Average Rate Base	-	184,631	#####	#####	#####	#####	869,552	108,380
24	Rate of Return	7.80%	7.80%	7.80%	7.28%	7.28%	7.28%	7.28%	7.28%
25	On Equity	10.69%	10.69%	10.01%	10.01%	10.01%	10.01%	10.01%	10.01%
26	Jurisdictional Allocations	-	-	-	-	-	-	-	-
27	Fixed Costs	-	-	-	-	-	-	-	-
28	CPUC 100.0000%	(0)	29,784	#####	#####	#####	#####	#####	(57,751)
29	FERC 00.0000%	-	-	-	-	-	-	-	-
30	Total	(0)	29,784	#####	#####	#####	#####	#####	(57,751)
31	Variable Costs	-	-	-	-	-	-	-	-
32	CPUC 100.0000%	-	-	-	-	-	-	-	-
33	FERC 00.0000%	-	-	-	-	-	-	-	-
34	Total	-	-	-	-	-	-	-	-
35	Total CPUC Jurisdictional Revenue	(0)	29,784	#####	#####	#####	#####	#####	(57,751)
36	Capital Revenue Requirement	(0)	29,784	#####	#####	#####	#####	#####	(57,751)
37	Expense Revenue Requirement	-	-	-	-	-	-	-	-
38	Taxable Income:	-	-	-	-	-	-	-	-
39	Operating Revenue	(0)	29,784	#####	#####	#####	#####	#####	(57,751)
40	Less: Operating Expenses	-	-	-	-	-	-	-	-
41	Taxes Other Than Income	-	-	-	-	-	-	-	-
42	Interest Charges	-	4,080	16,930	46,492	65,959	75,538	61,495	29,335
43	Fiscal/Calendar Property Tax	-	-	16,930	15,831	6,846	2,713	(16,788)	(15,374)
44	Operating Expense Adjustment	-	-	-	-	-	-	-	-
45	Capitalized Interest Adjustment	-	-	-	-	-	-	-	-
46	Valuation Adjustment	-	-	-	-	-	-	-	-
47	Subtotal Deductions	-	4,080	16,930	15,831	6,846	2,713	(16,788)	(15,374)
48	Taxable Income Before Deprec	(0)	25,704	18,078	13,190	176,074	137,291	62,534	16,183
49	California Corporation Franchise Tax (CCFT)	(0)	784,305	#####	#####	#####	#####	#####	602,352
50	State Corporation Franchise Tax	-	-	-	-	-	-	-	-
51	Subtotal CCFT	-	-	-	-	-	-	-	-
52	CCFT	(0)	784,305	145,429	(28,803)	713,493	#####	#####	#####
53	Depreciated Taxes - Depreciation	(0)	(67,061)	12,844	(2,538)	63,085	103,129	93,652	(59,783)
54	Depreciated Taxes - Interest	-	-	-	-	-	-	-	-
55	Depreciated Taxes - Valuation	-	-	-	-	-	-	-	-
56	Depreciated Taxes - Other	-	-	-	-	-	-	-	-
57	Total CCFT	(0)	(67,061)	12,844	(2,538)	63,085	103,129	93,652	(59,783)
58	Federal Income Tax	-	-	-	-	-	-	-	-
59	Federal Income Tax	-	941,166	(67,061)	12,844	(2,538)	63,085	103,129	93,652
60	Interest Charges	-	-	-	-	-	-	-	-
61	Subtotal Allowance	-	-	-	-	-	-	-	-
62	Capitalized Interest Adjustment	-	-	-	-	-	-	-	-
63	Valuation Adjustment	-	-	-	-	-	-	-	-
64	Federal Taxable Income	(0)	#####	13,800	#####	716,782	#####	#####	#####
65	Federal Income Tax	-	#####	2,870	(32,180)	150,553	235,227	247,746	#####
66	Depreciated Taxes - Depreciation	-	177,164	70,460	(73,633)	(64,849)	#####	#####	108,380
67	Depreciated Taxes - Interest	-	-	-	-	-	-	-	-
68	Depreciated Taxes - Valuation	-	-	-	-	-	-	-	-
69	Total Federal Income Tax	(0)	(15,085)	73,330	41,454	85,704	49,955	14,038	(35,192)
70	Weighted Cost of Capital	-	-	-	-	-	-	-	-
71	Cost of Capital	0.00%	2.21%	2.21%	2.05%	2.05%	2.05%	2.05%	2.05%
72	Federal Income Tax	0.00%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
73	Subtotal Equity	0.00%	2.24%	2.24%	2.08%	2.08%	2.08%	2.08%	2.08%
74	Total	-	4,080	84,217	72,068	103,279	59,010	17,826	2,222
75	Federal Income Tax	-	-	-	-	-	-	-	-
76	Subtotal Equity	(0)	10,259	211,143	182,987	287,735	149,864	45,261	5,833
77	Total	(0)	14,339	297,198	256,109	387,025	208,705	63,348	7,890
78	Weighted Average Rate Base	-	196,076	#####	#####	#####	#####	#####	#####
79	Plant	-	-	-	-	-	-	-	-
80	Working Capital	-	-	-	-	-	-	-	-
81	Materials and Supplies	-	-	-	-	-	-	-	-
82	Working Capital	-	-	-	-	-	-	-	-
83	Total Plant	-	196,076	#####	#####	#####	#####	#####	#####
84	Less:	-	-	-	-	-	-	-	-
85	Accumulated Depreciated Taxes	-	7,382	212,394	235,816	288,833	163,773	(79,260)	#####
86	Depreciated Interest Tax Credit	-	-	-	-	-	-	-	-
87	Depreciated WPA Tax	-	-	-	-	-	-	-	-
88	Valuation Adjustment	-	-	-	-	-	-	-	-
89	Capitalized Interest	-	-	-	-	-	-	-	-
90	Subtotal	-	7,382	212,394	235,816	288,833	163,773	(79,260)	#####
91	Accumulated Depreciation	-	4,064	682,698	#####	#####	#####	#####	#####
92	Weighted Average Rate Base	-	184,631	#####	#####	#####	#####	869,552	108,380
93	Plant	-	-	-	-	-	-	-	-

Event No.
RO No.

Period
Quarter/Year

Private Use and Income Company
Using Depreciation and Requirement
Revenue Requirements Estimation Model

Public Use and Electric Company
Using Depreciation and Requirement
Revenue Requirements Estimation Model

Jan-28

Feb-28

Mar-28

Apr-28

May-28

Jun-28

Jul-28

Aug-28

Sep-28

Oct-28

Nov-28

Dec-28

Jan-29

Feb-29

Mar-29

Apr-29

May-29

Jun-29

Jul-29

Aug-29

Sep-29

Oct-29

Nov-29

Dec-29

Plant Investment (Nominal)

Cost Type Cross Plant Addition

Retirements

Cost Type Removal Cost (US\$)

Salvage

Expense Estimate (Nominal)

Cost Type Expense

Book Depreciation

Book Depreciation - Factor

Property Tax

State Income Tax

CCFT Deduction (90%)

Consolidate Federal & State

Federal Tax Deduction - Factors

Common

Federal Tax Deduction - Factors

State Tax Deduction - Factors

Revenue

Capital Expenditure (M)

Operating Expenses (M)

Depreciation (M)

Cost of Fuel

Cost of Gas

Cost of Oil

Cost of Coal

Cost of Natural Gas

Cost of Nuclear

Cost of Wind

Cost of Solar

Cost of Hydro

Cost of Geothermal

Cost of Biomass

Cost of Other

Cost of Total

State Tax Depreciation Rates

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Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-6, Billing Cloud Service (BCS) Software Revenue Requirements Estimation Model
Results of Operations Calculations (whole dollars)

Ln/No.		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	Operating Revenue:	0	(0)	(0)	1,000,000	5,910,017	35,330,026	29,991,056	28,640,390	27,150,714	25,106,507
2	Operating Expenses:	-	-	-	-	-	-	-	-	-	-
3	Production	-	-	-	1,000,000	2,400,000	-	-	-	-	-
4	Electricity	-	-	-	-	-	-	-	-	-	-
5	Transmission	-	-	-	-	-	-	-	-	-	-
6	Distribution	-	-	-	-	-	-	-	-	-	-
7	Customer Accounts	-	-	-	-	-	-	-	-	-	-
8	Customer Services	-	-	-	-	-	-	-	-	-	-
9	Administrative and General	-	-	-	-	-	-	-	-	-	-
10	Franchise Requirements	-	-	-	-	-	-	-	-	-	-
11	Franchise Expenses	-	-	-	-	-	-	-	-	-	-
12	Taxes:	-	-	-	1,000,000	2,400,000	-	-	-	-	-
13	Property	-	-	-	-	-	-	-	-	-	-
14	Payroll	-	-	-	-	-	-	-	-	-	-
15	State Corporation Franchise	-	-	-	-	-	-	-	-	-	-
16	Federal Income	0	(0)	(0)	0	(8,517,249)	2,021,012	1,599,640	1,970,960	2,337,015	2,193,195
17	State Income	0	(0)	(0)	0	(2,515,267)	4,488,293	4,252,859	1,106,546	3,855,500	458,974
18	Depreciation	0	(0)	(0)	0	(1,227,821)	2,423,002	2,423,002	2,423,002	2,423,002	2,423,002
19	Total Operating Expenses	0	(0)	(0)	1,000,000	1,678,868	27,932,306	24,286,500	24,450,207	24,615,516	24,053,170
20	Net for Return	0	(0)	(0)	0	4,231,131	7,398,620	5,724,555	4,090,184	2,535,198	1,053,336
21	Weighted Average Rate Base	-	-	-	-	64,245,271	101,620,306	78,634,000	66,183,038	34,824,143	14,468,906
22	Rate of Return:	-	-	-	-	7.80%	7.28%	7.28%	7.28%	7.28%	7.28%
23	On Rate Base	-	-	-	-	10.69%	10.00%	10.00%	10.00%	10.00%	10.00%
24	On Equity	-	-	-	-	-	-	-	-	-	-
Jurisdictional Allocations											
25	Fixed Costs	-	-	-	-	-	-	-	-	-	-
26	CPUC	0	(0)	(0)	0	3,510,017	35,330,026	29,991,056	28,640,390	27,150,714	25,106,507
27	FERC	0	(0)	(0)	0	3,510,017	35,330,026	29,991,056	28,640,390	27,150,714	25,106,507
28	Total	-	-	-	-	-	-	-	-	-	-
29	Variable Costs	-	-	-	-	-	-	-	-	-	-
30	CPUC	-	-	-	1,000,000	2,400,000	-	-	-	-	-
31	FERC	-	-	-	-	-	-	-	-	-	-
32	Total	-	-	-	-	-	-	-	-	-	-
33	Total CPUC Jurisdictional Revenue Requirement	0	(0)	(0)	1,000,000	5,910,017	35,330,026	29,991,056	28,640,390	27,150,714	25,106,507
34	Capital Revenue Requirement	0	(0)	(0)	0	3,510,017	35,330,026	29,991,056	28,640,390	27,150,714	25,106,507
35	Expense Revenue Requirement	-	-	-	1,000,000	2,400,000	-	-	-	-	-

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-5, Billing Cloud Service (BCS) Software Revenue Requirements Estimation Model
Results of Operations Calculations (Whole dollars)

Ln.No.		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
1	Taxable Income:										
2	Operating Revenue	0	(0)	(0)	1,000,000	5,910,017	35,330,026	29,991,056	28,640,390	27,150,714	26,106,937
3	Less:										
4	QAM Expenses	-	-	-	-	2,600,000	-	-	-	-	-
5	Interest Charge	-	-	-	-	-	-	-	-	-	-
6	Intangible Property Tax Adjustment	-	-	-	-	1,199,820	2,080,403	1,611,997	1,151,769	713,896	266,613
7	Operating Expense Adjustment	-	-	-	-	-	-	-	-	-	-
8	Capitalized Software	-	-	-	-	-	-	-	-	-	-
9	Capitalized Inventory Adjustment	-	-	-	-	-	-	-	-	-	-
10	Vacation Accrual Reduction	-	-	-	-	-	-	-	-	-	-
11	Reduced Operating Revenue	-	-	-	-	-	-	-	-	-	-
	Taxable Income before Depreciation	-	-	-	1,000,000	3,309,217	23,249,623	28,379,059	27,488,622	26,436,818	25,840,324
	Depreciation	-	-	-	-	2,311,196	(8)	(0)	(0)	(0)	(0)
	State Depreciation	-	-	-	-	5,192,700	10,385,389	10,385,389	5,192,700	-	-
12	Removal Costs	-	-	-	-	-	-	-	-	-	-
13	State Tax Incentives	-	-	-	-	83,668,253	-	-	-	-	-
14	State Taxable Income	-	-	-	0	(86,350,996)	22,862,124	17,993,660	22,296,322	26,436,819	24,839,864
15	CCFT	-	-	-	-	-	-	-	-	-	-
16	Deferred Taxes - Depreciation	-	-	-	-	-	-	-	-	-	-
17	Deferred Taxes - Interest	-	-	-	-	-	-	-	-	-	-
18	Deferred Taxes - Vacation	-	-	-	-	-	-	-	-	-	-
19	Deferred Taxes - Other	-	-	-	-	-	-	-	-	-	-
20	Total CCFT	-	-	-	-	-	-	-	-	-	-
21	Federal Income Tax										
22	Operating Revenue	0	(0)	(0)	0	(8,517,349)	2,021,012	1,595,640	1,970,160	2,337,015	2,193,195
23	Less:										
24	Federal Depreciation	-	-	-	(0)	-	(8,417,349)	2,021,013	1,989,640	1,970,660	2,337,015
25	Removal Costs	-	-	-	-	5,192,700	10,385,389	10,385,389	5,192,700	-	-
26	State Tax Incentives	-	-	-	-	8,997,263	-	-	-	-	-
27	Capitalized Software	-	-	-	-	-	-	-	-	-	-
28	Capitalized Inventory Adjustment	-	-	-	-	8,747,220	17,494,240	17,494,240	17,494,240	17,494,240	8,747,120
29	Federal Income Tax	-	-	-	0	(17,526,116)	13,865,233	(1,521,550)	3,211,164	6,971,650	13,725,759
30	Deferred Taxes - Depreciation	-	-	-	(0)	-	2,043,389	(19,525,233)	759,129	1,984,060	2,982,429
31	Deferred Taxes - Interest	-	-	-	-	(3,791,493)	-	-	-	-	-
32	Deferred Taxes - Vacation	-	-	-	-	786,937	1,572,354	1,572,354	481,927	(605,540)	(2,446,439)
33	AFAM	-	-	-	-	-	-	-	-	-	-
34	Total Federal Income Tax	-	-	-	0	(2,215,267)	4,469,261	1,252,289	1,106,246	855,550	439,974

Pacific Gas and Electric Company
Billing Modernization Initiative
Workpapers Supporting Chapter 7, Results of Operations
WP 7-6, Billing Cloud Service (BCS) Software Revenue Requirements Estimation Model
Results of Operations Calculations (Whole dollars)

Ln.No		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Weighted Cost of Capital											
1	Debt	0.00%	0.00%	0.00%	0.00%	2.21%	2.05%	2.05%	2.05%	2.05%	2.05%
2	Preferred Stock	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Common Equity	0.00%	0.00%	0.00%	0.00%	7.28%	7.28%	7.28%	7.28%	7.28%	7.28%
4	Total %	0.00%	0.00%	0.00%	0.00%	9.29%	9.33%	9.33%	9.33%	9.33%	9.33%
5	Debt	-	-	-	-	1,98,520	2,083,403	1,611,997	1,151,789	713,895	296,613
6	Preferred Stock	-	-	-	-	16,274	30,489	23,590	16,405	10,447	4,341
7	Common Equity	0	(0)	(0)	-	3,16,279	5,34,869	5,74,555	5,74,555	5,74,555	5,74,555
8	Total \$	0	(0)	(0)	-	4,21,131	7,38,620	5,74,555	4,90,184	2,35,195	1,65,309
Weighted Average Rate Base											
9	Plant	-	-	-	-	57,119,696	124,624,791	124,624,791	124,624,791	124,624,791	124,624,791
10	Working Capital	-	-	-	-	-	-	-	-	-	-
11	Fuel	-	-	-	-	-	-	-	-	-	-
12	Materials and Supplies	-	-	-	-	-	-	-	-	-	-
13	Working Capital	-	-	-	-	-	-	-	-	-	-
14	Total Plant	-	-	-	-	57,119,696	124,624,791	124,624,791	124,624,791	124,624,791	124,624,791
Less:											
15	Accumulated Deferred Taxes	-	-	-	-	196,549	1,572,394	3,144,788	4,171,948	4,108,641	3,060,878
16	Deferred Investment Tax Credit	-	-	-	-	-	-	-	-	-	-
17	Deferred Investment Tax Credit	-	-	-	-	-	-	-	-	-	-
18	Deferred CIAC Tax	-	-	-	-	-	-	-	-	-	-
19	Deferred CIAC Tax	-	-	-	-	-	-	-	-	-	-
20	Vacation Pay Deferral	-	-	-	-	-	-	-	-	-	-
21	Capital Asset Deferral	-	-	-	-	196,549	1,572,394	3,144,788	4,171,948	4,108,641	3,060,878
22	Accumulated Depreciation	-	-	-	-	2,877,875	21,423,002	42,846,003	64,269,005	85,692,006	107,115,008
23	Weighted Average Rate Base	-	-	-	-	54,245,271	101,629,386	78,634,000	56,183,838	34,824,143	14,463,906

Pacific Gas and Electric Company Billing Systems Modernization Workpapers Supporting Chapter 7, Revenue Requirement Revenue Requirements Estimation Model												
Model Inputs												
	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
	-	-	-	-	-	-	-	-	-	-	-	-
Plant Investment (Nominal)												
Cost Type	Gross Plant Additions											
C	Common											
	Fixed Costs											
	Variable Costs											
	CMP20302 (2022-2029 Capex)											
	CMP20302 (2021 Capex)											
	CMP20302 (2020 Capex)											
	CMP20302 (2019 Capex)											
	CMP20302 (2018 Capex)											
	CMP20302 (2017 Capex)											
	CMP20302 (2016 Capex)											
	CMP20302 (2015 Capex)											
	CMP20302 (2014 Capex)											
	CMP20302 (2013 Capex)											
	CMP20302 (2012 Capex)											
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Pacific Gas and Electric Company
Billing Systems Modernization
Workpapers Supporting Chapter 7, Revenue Requirement
Revenue Requirements Estimation Model

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Work

Event No. RO No. Analysis Period	Analysis Life Start Date End Date Jurisdiction	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Plant Investment (Nominal)													
Cost Type COR C	Gross Plant Additions												
	Common												
Cost Type COR C	Refinements												
	Common												
Cost Type COR C	Removal Costs (Used for Reserve Adjustment and Tax Deductions)												
	Common												
Cost Type COR C	Salvage												
	Common												
Expense Estimates (Nominal)													
Cost Type E E	Production												
	Common												
Cost Type E E	Common												
	Storage												
Cost Type E E	Transmission												
	Common												
Cost Type E E	Distribution												
	Common												
Cost Type E E	Customer Accounts												
	Common												
Cost Type E E	Customer Services												
	Common												
Cost Type E E	Administrative and General												
	Common												
Cost Type E E	Materials & Services												
	Common												
Cost Type E E	Other												
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Event No.
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Pacific Gas and Electric Company
San Diego Gas & Electric Company
Workpapers Support Chapter 7 Revenue Requirement

Revenue Requirements Estimation Model
Model Inputs

Jan-20 Feb-23 Mar-23 Apr-23 May-23 Jun-23 Jul-23 Aug-23 Sep-23 Oct-23 Nov-23 Dec-23

Federal Tax Depreciation - Factors												
	Common	CMP30302 (2022-2029 Capex)										
Federal Tax Depreciation - Amounts												
	Amount	CMP30302 (2022-2029 Capex)										

State Tax Depreciation - Factors												
	Common	CMP30302 (2022-2029 Capex)										

Software Expense Adjustment												
	Common	CMP30302 (2021 Capex)										

Software Allowance												
	Federal											

Factors												
	State											

Factors												
	United States (Avg. Rate)											

Factors												
	Franchise											

Factors												
	Total F&U expense factor											

Capital Structure (%)												
	Debt	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%	47.50%

Cost of Capital (%)												
	Equity	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%	10.25%

(Below Book depreciation table only use for basis depreciation in this model due to half month rate policy for additions)

Book Depreciation Rates												
	Year	26	27	28	29	30	31	32	33	34	35	36

(Below Straight-Line depreciation table only use for basis depreciation in this model, depreciation calculate based book depreciation - basis adj)

Straight-Line Tax Depreciation Rates												
	Year	26	27	28	29	30	31	32	33	34	35	36

Federal Tax Depreciation Rates												
	Life	26	27	28	29	30	31	32	33	34	35	36

CMP 30302 (2022-2029 Capex)												
	Method	26	27	28	29	30	31	32	33	34	35	36

CMP 30302 (2021 Capex)												
	Method	26	27	28	29	30	31	32	33	34	35	36

State Tax Depreciation Rates

CMP 30302 (2022-2029 Capex)												
	Method	26	27	28	29	30	31	32	33	34	35	36

CMP 30302 (2021 Capex)												
	Method	26	27	28	29	30	31	32	33	34	35	36

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Pacific Gas and Electric Company
Billing Systems Modernization
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Revenue Requirements Estimation Model

Event No. RO No. Analysis Period Analysis Life Jurisdiction	Fixed Costs Variable Costs	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sept-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plant Investment (Nominal) Cost Type E Common C	Gross Plant Additions Common	CMP30302 (2022-2029 Capex)																	
	Referrals	CMP30302 (2022-2029 Capex)																	
Cost Type COR Common	Remove Costs (Used for Reserve Adjustment and Tax Deductions)	CMP30302 (2021 Capex)																	
	Salvage	CMP30302 (2021 Capex)																	
Expense Estimates (Nominal) Production Cost Type E Common E	By LOB	83,333	80,303	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	80,303	83,333	200,000	200,000	200,000	200,000
	Expense Common																		
Storage	Labor																		
	Materials & Services																		
Transmission	Labor																		
	Materials & Services																		
Distribution	Labor																		
	Materials & Services																		
Customer Accounts	Labor																		
	Materials & Services																		
Customer Services	Labor																		
	Materials & Services																		
Administrative and General	Labor																		
	Materials & Services																		
Depreciation - Amounts	Other																		
	Wage-Related																		
Book Capitalization	Materials																		
	Benefits																		
Depreciation - Factors	CMP30302 (2022-2029 Capex)																		
	CMP30302 (2021 Capex)																		
Depreciation - Amounts	CMP30302 (2022-2029 Capex)																		
	CMP30302 (2021 Capex)																		
Decommission Accrual (Taxable)	Tax 1																		
	Tax 2																		
Rate Base Adjustments	Depreciation Reserve																		
	Working Capital - Fuel																		
Rate Base Adjustments	Working Capital - Materials & Supplies																		
	Working Cash																		
Rate Base Adjustments	Customer Services																		
	Deferred Vacation Pay																		
Rate Base Adjustments	Deferred Capitalized Interest																		
	Deferred CIRC Tax																		
Taxes	Property Tax																		
	Business and Other Taxes																		
Taxes	Payroll (Percent of Labor)																		
	State Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
Taxes	Federal Tax Rate	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%	21.00%
	CCFT Deduction (\$000)																		
Taxes	Corporate Federal & State																		

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Electric Company
: Modernization
Worksheet 7, Revenue Requirement
WP 7-2, Billing Cycles Estimation Model

Pacific Gas and Electric Company
Billing Systems Modernization
Worksheet 7, Revenue Requirement
Revenue Requirements Estimation Model

Event No.		Analysis Period		Jurisdiction		Fixed Costs		Variable Costs		Plant Investment (Nominal)		Cost Type		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common		Common	
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Electric Company
Worksheet
WP 7-2, Billing Clients Estimation Model

Event No.	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28	Jan-29	Feb-29	Mar-29	Apr-29	May-29	Jun-29	Jul-29	Aug-29	Sep-29	Oct-29	Nov-29	Dec-29
RO No.																		

Federal Tax Depreciation - Factors																		
Common	CMP30302 (2022-2029 Capex)																	
Common	CMP30302 (2021 Capex)																	
Federal Tax Depreciation - Amounts																		
CMP30302 (2022-2029 Capex)																		
CMP30302 (2021 Capex)																		

State Tax Depreciation - Factors																		
CMP30302 (2022-2029 Capex)																		
CMP30302 (2021 Capex)																		

Software Expense Adjustment																		
Removal Cost																		
Software Allowance																		
Federal																		
State																		

Pension & Benefit																		
FAU Revenue Factors																		
Uncollectibles (Avg. Rate)																		
Franchise																		
Total FAU expense factor																		

Revenue																		
Capital Structure (%)																		
Debt																		
Equity																		
Preferred																		
Private																		
Total																		

Cost of Capital (%)																		
Equity																		
Preferred																		
Weighted Avg.																		

(Below Book depreciation table only use for basis depreciation in the model due to half-month rate policy for additions)

Book Depreciation Rates																		
Year																		
CMP30302 (2022-2029 Capex)																		
CMP30302 (2021 Capex)																		

(Below Straight-Line depreciation table only use for basis depreciation in the model, depreciation calculate based book depreciation * basis adj)

Straight-Line Tax Depreciation Rates																		
CMP30302 (2022-2029 Capex)																		
CMP30302 (2021 Capex)																		

Federal Tax Depreciation Rates																		
Check																		
Life																		
Method																		
Factor																		
Basis Adjustment																		
Year																		
Remaining Life																		
Annual Depreciation																		
Reserve																		
Rate																		
Incentive																		

CMP30302 (2021 Capex)																		
Method																		
Factor																		
Basis Adjustment																		
Year																		
Remaining Life																		
Annual Depreciation																		
Reserve																		
Rate																		
Incentive																		

State Tax Depreciation Rates																		
CMP30302 (2022-2029 Capex)																		
Method																		
Factor																		
Basis Adjustment																		
Year																		
Remaining Life																		
Annual Depreciation																		
Reserve																		
Rate																		
Incentive																		

CMP30302 (2021 Capex)																		
Method																		
Basis Adjustment																		
Year																		
Remaining Life																		
Annual Depreciation																		
Reserve																		
Rate																		
Incentive																		

WP 7-2, Billing Cbl

Wer

Event No. RO No. Analysis Period Analysis Life Analysis Jurisdiction												
	Jan-30	Feb-30	Mar-30	Apr-30	May-30	Jun-30	Jul-30	Aug-30	Sep-30	Oct-30	Nov-30	Dec-30
Plant Investment (Nominal) Cost Type Gross Plant Additions Common C												
Retirements												
Cost Type Common COR												
Salvage												
Expense Estimates (Nominal) Production Cost Type Expense Common E												
Storage												
Transmission												
Distribution												
Customer Accounts												
Customer Services												
Administrative and General												
Materials & Services												
Other												
Wage-Related												
Benefits												
Depreciation - Factors												
Depreciation - Amounts												
Decommission Accrual(Taxable)												
Rate Base Adjustments												
Taxes												
Property Tax												
Business and Other Taxes												
State Tax Rate												
Federal Tax Rate												
CCFT Deduction (\$000)												
Computer Federal & State												

Event No.
RO No.

Federal Tax Depreciation - Factors	CMP30302 (2022-2029 Capex)
	Common
Federal Tax Depreciation - Amounts	CMP30302 (2022-2029 Capex)
	Common

State Tax Depreciation - Factors	CMP30302 (2022-2029 Capex)
	Common

Software Expense Adjustment	CMP30302 (2021 Capex)
	Common
Software Allowance	CMP30302 (2021 Capex)
	Common

Pension & Benefit	CMP30302 (2021 Capex)
	Common
F&U Revenue Factors	CMP30302 (2021 Capex)
	Common

Revenue	CMP30302 (2021 Capex)
	Common
Capital Structure (%)	CMP30302 (2021 Capex)
	Common

Cost of Capital (%)	CMP30302 (2021 Capex)
	Common
Equity	CMP30302 (2021 Capex)
	Common

Preferred	CMP30302 (2021 Capex)
	Common
Weighted Avg	CMP30302 (2021 Capex)
	Common

Book Depreciation Rates	CMP30302 (2021 Capex)
	Common
Straight-Line Tax Depreciation Rates	CMP30302 (2021 Capex)
	Common

Federal Tax Depreciation Rates	CMP30302 (2021 Capex)
	Common
Check	CMP30302 (2021 Capex)
	Common

Life	CMP30302 (2021 Capex)
	Common
Method	CMP30302 (2021 Capex)
	Common

Factor	CMP30302 (2021 Capex)
	Common
Basis Adjustment	CMP30302 (2021 Capex)
	Common

Remaining Life	CMP30302 (2021 Capex)
	Common
Annual Depreciation	CMP30302 (2021 Capex)
	Common

Reserve	CMP30302 (2021 Capex)
	Common
Rate	CMP30302 (2021 Capex)
	Common

State Tax Depreciation Rates	CMP30302 (2021 Capex)
	Common
Life	CMP30302 (2021 Capex)
	Common

Method	CMP30302 (2021 Capex)
	Common
Factor	CMP30302 (2021 Capex)
	Common

Basis Adjustment	CMP30302 (2021 Capex)
	Common
Remaining Life	CMP30302 (2021 Capex)
	Common

Annual Depreciation	CMP30302 (2021 Capex)
	Common
Reserve	CMP30302 (2021 Capex)
	Common

Rate	CMP30302 (2021 Capex)
	Common