



**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

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Application of San Diego Gas & Electric
Company (U 902 M) for Authority to
Implement the Customer Information System
Replacement Program

Application 17-04-_____
(Filed April 28, 2017)
A1704027

**APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY
(U 902 M) FOR AUTHORITY TO IMPLEMENT THE CUSTOMER
INFORMATION SYSTEM REPLACEMENT PROGRAM**

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April 28, 2017

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INFORMATION SYSTEM REPLACEMENT PROGRAM**

I. INTRODUCTION

Pursuant to California Public Utilities Code Sections 451,¹ 454 and 701 and Rule 2.1 of the Rules of Practice and Procedure of the California Public Utilities Commission (“Commission”), San Diego Gas & Electric Company (“SDG&E”) hereby files this application (“Application”) for authority to establish and implement the Customer Information System (“CIS”) replacement program (“CIS Replacement Program”) and to establish a balancing account to recover in rates the costs associated with the program.²

SDG&E’s legacy CIS, and its related subsystems, is a twenty-year-old software and hardware system that supports SDG&E’s critical business processes and customer engagement functions, including: billing and payment; credit and collection; meter data; service orders; customer care; outages; rates and programs; and customer information. SDG&E urgently needs to replace its outdated CIS with a new, modernized CIS platform that will enable SDG&E to

¹ Section 451 provides, in pertinent part: “Every public utility shall furnish and maintain such adequate, efficient, just, and reasonable service, instrumentalities, equipment, and facilities, including telephone facilities, as defined in Section 54.1 of the Civil Code, as are necessary to promote the safety, health, comfort, and convenience of its patrons, employees, and the public.”

² In a concurrently filed motion, SDG&E is also requesting a Customer Information System Memorandum Account to record CIS costs expended prior to a Commission decision regarding the Application.

implement increasingly complex California regulatory requirements, and keep pace with the rapidly changing energy industry and evolving service demands of customers.

Taking action now to modernize SDG&E's CIS will transform the way the company does business and elevate the service and support customers receive in this changing environment for decades to come. The new CIS will support, *inter alia*, California's policy goals related to improved customer choice, deployment of advanced technologies and increased reliance on distributed energy resources. Replacement of key business and billing processes with the proposed CIS solution will provide a multitude of benefits, including enabling SDG&E to more effectively implement new customer programs and rate options, and providing customers with a significantly improved service experience. For example, the new CIS will allow for a more customer-centric way of doing business by moving all customer data to one consolidated location, thereby breaking down the data silos and improving the ability of various business units to efficiently assist customers through different channels of communication. The new system also offers greater configurability and flexibility; many system changes will be possible without the need for IT programming. This makes implementing mandated changes quicker and more cost-effective.

SDG&E forecasts that implementation of its proposed CIS Replacement Program will require a one-time expenditure of \$253.6 million to implement. The total cost of ownership, including implementation costs, ongoing support costs for the 15-year asset life, loaders and escalation equate to a total revenue requirement of \$996.6 million. Because SDG&E's need for the new CIS is pressing, SDG&E respectfully requests that the Commission approve the instant Application no later than March 2018, so that SDG&E can achieve implementation of the new CIS system by 2021.

II. BACKGROUND AND SUMMARY OF REQUEST

As discussed in detail in the accompanying testimony, SDG&E's legacy CIS was implemented in 1997 and was designed to handle monthly meter reads and apply comparatively simple rate calculations. In 1997, and until smart meters were implemented, small business and residential customers had one data point per month for billing purposes. With today's more complex rates requiring interval data, a residential customer has over 720 data points per month and a business customer has over 2,880 data points per month.

Customer expectations have also changed dramatically since the legacy CIS was put in service. The technology supporting the legacy CIS was developed prior to the advent of online services – the technology was built to support face-to-face customer interactions and calls into SDG&E's Customer Call Center. The legacy CIS was not designed for today's digital times, with customers expecting access to a multitude of real-time digital (*e.g.*, online, chat, mobile, social media) and self-service options, as well as more personalized services based on individual communication preferences. Customer expectations have also evolved in response to the growing number of rate programs and options available to them. Customers now actively seek information about their energy usage and how they can save on their energy bills.

Thus, over the past two decades, while customer expectations, industry changes and regulatory initiatives have resulted in positive growth in new and technologically-advanced programs and energy services, the legacy CIS has been considerably strained to adapt to these requirements it simply was not designed to serve. To meet each new change, SDG&E has needed to either (1) customize its legacy CIS; or (2) add specialized subsystems for the incremental required functionality. For instance, within the past ten years, SDG&E has made significant customizations to its legacy CIS system to support state policies such as the implementation of Advanced Metering Infrastructure (“AMI”), Net Energy Metering (“NEM”)

and successor tariffs, Dynamic Pricing and Residential Rate Reform. While SDG&E is confident that the customer bills issued to date are accurate, the process of continual customization and addition of subsystems over the past 20 years has resulted in a decentralized, highly complex and increasingly unstable CIS architecture.

In light of these challenges, in 2015, SDG&E retained a third party expert, Ernst and Young Consulting (“EY”), to evaluate the current state of the legacy CIS and related subsystems, and to provide a recommended strategy for either maintaining, extending or replacing the legacy CIS and related subsystems. EY undertook a nine-month study with the objective of developing a comprehensive assessment for a future-state CIS, along with related applications, that would enable SDG&E to keep pace with the current and future business and technology needs. At the conclusion of the nine-month project, EY recommended replacement of the legacy CIS and related subsystems with a modern technology platform. Moving forward on this recommendation, in 2016, SDG&E performed an internal risk analysis and took preparatory steps to file this Application to replace the legacy CIS and related subsystems.

The need for replacement of the legacy CIS and related subsystems has become urgent; an unprecedented number of new rates and changes to existing rate structures implemented over the past 28 months has significantly and detrimentally impacted the performance of SDG&E’s legacy CIS. While SDG&E has historically made 4 to 5 of these significant changes to its legacy CIS per year, more than 30 significant changes will be made between 2016 and 2019. SDG&E’s legacy CIS has become less stable and less reliable due, in part, to technology obsolescence, the aforementioned rapid deployment of increasingly complex rates and other regulatory requirements, and an exponential increase in the amount of data processing required by the system since the legacy CIS was deployed in 1997. Also contributing to the instability is the

number and complexity of integrations between the legacy CIS and subsystems that have been added over two decades as the energy market, regulatory requirements and customer-utility relationship have transformed.

These stresses on the legacy CIS have negatively impacted the service quality experienced by SDG&E's customers while increasing costs for ratepayers. For instance, in 2016, SDG&E began experiencing challenges with the legacy CIS and related subsystems following the deployment of several billing changes over a short period. Some customer bills could not be processed in a timely manner due to system problems, resulting in an increase in the number of delayed bills from an average of about 3,000 to approximately 40,000 at peak. Contributing to this challenge, mainframe processing issues requiring manual Information Technology ("IT") resolution have increased 600% since the end of 2015. Further, SDG&E's MyAccount online customer portal, which is also proposed to be replaced as part of this Application, has been partially or completely unavailable for approximately 600 hours in 2016 and 2017 alone. This lack of system reliability and the subsequent impact on customers clearly demonstrates the need to move expeditiously on replacement of the legacy CIS and related subsystems.

Thus, what was initially perceived to be a near-term need, based on the EY study, has now become an urgent and immediate need due to the recent challenges experienced with the legacy CIS and related subsystems. It was not implementation of any one statutory requirement that exposed the weaknesses of SDG&E's current billing system; rather it was the cumulative effect of implementing multiple, complex billing system changes simultaneously. Indeed, implementation of a new billing system is directly tied to implementation of the various statutory

requirements detailed in Chapter 2 – it is essentially the “next step” of the Commission’s implementation of the relevant statutory provisions.

In any event, it is abundantly clear that the legacy CIS does not have the long-term capabilities to meet the increasingly complex requirements demanded from customer programs and rates that will be implemented in future years. SDG&E needs a modernized CIS system that can easily adapt to such complex changes and allow SDG&E to quickly implement regulatory mandates in the most effective and cost efficient way possible while aspiring to provide the excellent service customers deserve.

The proposed replacement CIS will provide just that. It will modernize critical business processes, while reducing costs and decreasing system failure risks. It will also unlock new potential in customer engagement and advance innovations that support of the State’s policy initiatives. The major benefits of the new CIS will include:

- Quality and efficiency of customer interactions
- Relevance of offerings and delivery of better customer experiences
- More flexible service options
- Customer access to data, information, and analysis for decision making
- Timely and accurate billing
- Improved system reliability
- Increased speed to market
- Single, 360-degree view of the customer
- Standardization and optimization of future business practices and processes

- Ability to effectively incorporate new customer- and grid-side technologies

When the new CIS is fully implemented, approximately 75% of SDG&E's existing outdated customer services application portfolio will be replaced and integrated into a more streamlined and efficient system.

III. BRIEF DESCRIPTION OF SUPPORTING TESTIMONY

In support of this Application, SDG&E includes the direct testimony of the following witnesses, organized by chapter as shown:

- Chapter 1: (Scott Crider) provides an overview of SDG&E's urgent need and policy support for replacing the legacy CIS with the proposed new CIS.
- Chapter 2: (Charlie Snyder and Christopher Swartz) provide an overview of the legacy CIS and the supporting subsystems, and describe the limitations and challenges of these current systems that demand a near-term solution.
- Chapter 3: (Charlie Snyder) describes SDG&E's selection approach and alternatives considered before choosing the proposed CIS, the proposed CIS vendor solution, and the proposed implementation schedule.
- Chapter 4: (Laura Atkinson) provides a comprehensive breakdown of the CIS replacement program costs and benefits.
- Chapter 5: (Christopher Swartz) describes the impacts, timelines, costs, and resourcing for the CIS replacement program as they relate to SDG&E's Customer Service Operations and Information business units.

- Chapter 6: (Daniel Linder) describes the impacts, timelines, costs, and resourcing for the CIS replacement program as they relate to SDG&E’s Information Technology business units.
- Chapter 7: (Michael Woodruff/James Vanderhye Jr.) describe the revenue requirement methodology and resulting total proposed revenue requirement for the new CIS.
- Chapter 8: (Lisa Browy/Marjorie Schmidt-Pines) present both the electric and the gas rate and bill impacts associated with the CIS Replacement Program; and
- Chapter 9: (Norma Jasso) describes SDG&E’s proposal to establish a two-way interest bearing balancing account to record revenue and costs associated with the new CIS.

IV. RELIEF REQUESTED

SDG&E respectfully requests that, in accordance with the proposed schedule, the Commission issue a decision finding that:

1. SDG&E needs to implement the CIS Replacement Program as soon as possible so that it can adequately meet regulatory requirements, customer expectations, and business needs;
2. The proposed cost of the CIS Replacement Program is just and reasonable;
3. Full cost recovery in rates, as requested by SDG&E, should be granted;
4. Such other relief as is necessary and proper.

V. STATUTORY AND PROCEDURAL REQUIREMENTS

A. Rule 2.1 (a) – (c)

In accordance with Rule 2.1 (a) – (c) of the Commission’s Rules of Practice and Procedure, SDG&E provides the following information.

1. Rule 2.1 (a) – Legal Name

SDG&E is a corporation organized and existing under the laws of the State of California. SDG&E is engaged in the business of providing electric service in a portion of Orange County and electric and gas service in San Diego County. SDG&E’s principal place of business is 8330 Century Park Court, San Diego, California 92123.

2. Rule 2.1 (b) – Correspondence

Correspondence or communications regarding this Application should be addressed to:

William Fuller
Regulatory Case Manager
San Diego Gas & Electric Company
8330 Century Park Court, CP32D
San Diego, California 92123
Telephone: (858) 654-1885
Facsimile: (858) 654-1788
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with a copy to:

Ellen N. Adler
Attorney for:
San Diego Gas & Electric Company
8330 Century Park Court, CP32D
San Diego, California 92123
Telephone: (858) 654-0220
Facsimile: (619) 699-5027
EAdler@semprautilities.com

3. Rule 2.1 (c)

a. Proposed Category of Proceeding

In accordance with Rule 7.1, SDG&E requests that this Application be categorized as ratesetting. Because SDG&E proposes to recover the costs incurred for the CIS Replacement Program from its ratepayers, the costs will result in an increase of SDG&E’s rates.

b. Need for Hearings

SDG&E believes that approval of this Application may require hearings. SDG&E sets forth below a schedule that includes hearings, in the event hearings are deemed necessary.

c. Issues to be Considered

The issues to be considered are described in this Application and the accompanying testimony and exhibits. Regarding safety considerations, based on current information, SDG&E's proposal will not result in any adverse safety impacts on the facilities or operations of SDG&E.

d. Proposed Schedule

ACTION	DATE
Application filed	April 28, 2017
Motion for Approval of Customer Information System Memorandum Account filed	April 28, 2017
Response to Motion for Approval of Customer Information System Memorandum Account	May 15, 2017
Reply in support of Motion for Approval of Customer Information System Memorandum Account	May 25, 2017
Responses/Protests to Application	May 30, 2017
Order on Motion for Approval of Customer Information System Memorandum Account	May 31, 2017
Reply to Responses/Protests	June 9, 2017
Prehearing Conference (if necessary)	June 19, 2017
Scoping Memo Issued	June 29, 2017
Intervenor Testimony	July 31, 2017
Rebuttal Testimony	August 28, 2017
Evidentiary Hearings	September 13-15, 2017
Opening Briefs	October 6, 2017
Reply Briefs	October 27, 2017
Proposed Decision	November 22, 2017
Comments on Proposed Decision	December 13, 2017
Reply Comments on Proposed Decision	December 29, 2017
Commission Decision Adopted	January 22, 2018

B. Rule 2.2 – Articles of Incorporation

A copy of SDG&E’s Restated Articles of Incorporation as last amended, presently in effect and certified by the California Secretary of State, was filed with the Commission on September 10, 2014 in connection with SDG&E’s Application No. 14-09-008, and is incorporated herein by reference.

C. Rule 3.2(a) – (d) – Authority to Increase Rates

In accordance with Rule 3.2(a) – (d) of the Commission’s Rules of Practice and Procedure, SDG&E provides the following information.

1. Rule 3.2(a)(1) – balance sheet

SDG&E’s financial statement, balance sheet and income statement for the twelve-month period ending December 31, 2016 are included with this Application as Appendix A.

2. Rule 3.2(a)(2) – statement of effective rates

A statement of all of SDG&E’s presently effective electric and gas rates can be viewed electronically on SDG&E’s website. Appendix B to this Application provides the table of contents from SDG&E’s electric tariffs on file with the Commission. Appendix C to this Application provides the table of contents from SDG&E’s gas tariffs on file with the Commission.

3. Rule 3.2(a)(3) – statement of proposed increases

A statement of proposed rate increases is attached as Appendix D. The percentage of electric increase in revenue from the proposed rate structure is less than one percent. The percentage of gas increase in revenue from the proposed rate structure is less than three percent.

4. Rule 3.2(a)(4) – description of property and equipment

SDG&E is in the business of generating, transmitting and distributing electric energy to San Diego County and part of Orange County. SDG&E also purchases, transmits and distributes

natural gas to customers in San Diego County. SDG&E has electric transmission, distribution and service lines in San Diego, Orange and Imperial Counties. This includes a composite 92% ownership in the 500,000 volt Southwest Powerlink including substations and transmission lines, which run through San Diego and Imperial Counties to the Palo Verde substation in Arizona. This also includes full ownership of the 500,000-volt Sunrise Powerlink including substations and transmission lines, which run through San Diego and Imperial Counties to the Imperial Valley substation. Gas facilities consist of the Moreno gas compressor station in Riverside County and the Rainbow compressor station located in San Diego County. The gas is transmitted through high and low-pressure distribution mains and service lines.

Applicant's original cost of utility plant, together with the related reserves for depreciation and amortization for the twelve-month period ending December 31, 2016, is shown on the statement of Original Cost and Depreciation Reserve attached as Appendix E.

5. Rule 3.2(a)(5) and (6) – summary of earnings

A summary of SDG&E's earnings (for the total utility operations for the company) for the twelve-month period ending December 31, 2016, is included as Appendix F to this Application.

6. Rule 3.2(a)(7) – statement re tax depreciation

For financial statement purposes, depreciation of utility plant has been computed on a straight-line remaining life basis, at rates based on the estimated useful lives of plan properties. For federal income tax accrual purposes, SDG&E generally computes depreciation using the straight-line method for tax property additions prior to 1954, and liberalized depreciation, which includes Class Life and Asset Depreciation Range Systems, on tax property additions after 1954 and prior to 1981. For financial reporting and rate-fixing purposes, "flow through accounting" has been adopted for such properties. For tax property additions in years 1981 through 1986,

SDG&E has computed its tax depreciation using the Accelerated Cost Recovery System. For years after 1986, SDG&E has computed its tax depreciation using the Modified Accelerated Cost Recovery Systems and, since 1982, has normalized the effects of the depreciation differences in accordance with the Economic Recovery Tax Act of 1981 and the Tax Reform Act of 1986.

7. Rule 3.2(a)(8) – proxy statement

A copy of the most recent proxy statement sent to all shareholders of SDG&E’s parent company, Sempra Energy, dated March 24, 2017, was mailed to the Commission on April 10, 2017, and is incorporated herein by reference.

8. Rule 3.2(a)(10) – statement re pass through to customers

The rate changes that SDG&E seeks in this Application reflect estimated costs to SDG&E, and SDG&E proposes to pass through to customers only costs that SDG&E incurs for the proposed Customer Information System Replacement Program.

9. Rule 3.2(b) – notice to state, cities and counties

In compliance with Rule 3.2(b) of the Commission’s Rules of Practice and Procedure, SDG&E will, within twenty days after the filing this Application, mail a notice to the State of California and to the cities and counties in its service territory and to all those persons listed in Appendix G to this Application.

10. Rule 3.2(c) – newspaper publication

In compliance with Rule 3.2(c) of the Commission’s Rules of Practice and Procedure, SDG&E, within twenty days after the filing of this Application, will post in its offices and publish in newspapers of general circulation in each county in its service territory notice of this Application.

11. Rule 3.2(d) – bill insert notice

In compliance with Rule 3.2(d) of the Commission’s Rules of Practice and Procedure, SDG&E, within 45 days of the filing of this Application, will provide notice of this Application to all of its customers along with the regular bills sent to those customers that will generally describe the proposed revenue requirement changes addressed in this Application.

VI. SERVICE

This is a new application. No service list has been established. Accordingly, SDG&E will serve the public versions of this Application, testimony and related exhibits on parties to the service list for A.14-11-003 (SDG&E’s last General Rate Case) and General Order 96-B. Hard copies will be sent by overnight mail to the Assigned Commissioner and Assigned Administrative Law Judge (“ALJ”) and Chief Administrative Law Judge Karen Clopton.

VII. CONCLUSION

WHEREFORE, SDG&E requests that the Commission grant SDG&E’s Application as described herein.

Respectfully submitted this 28th day of April 2017.

/s/ Ellen N. Adler

Ellen N. Adler

Attorney for

SAN DIEGO GAS & ELECTRIC COMPANY

8330 Century Park Court, CP32D

San Diego, California 92123

Telephone: (858) 654-0220

Facsimile: (619) 699-5027

Email: eadler@semprautilities.com

/s/ Scott Crider

Scott Crider

Vice President – Customer Services

SAN DIEGO GAS & ELECTRIC COMPANY

OFFICER VERIFICATION

I, Scott Crider, declare the following:

I am an officer of San Diego Gas & Electric Company and am authorized to make this verification on its behalf. I am informed and believe that the matters stated in the foregoing **APPLICATION OF SAN DIEGO GAS & ELECTRIC COMPANY (U 902 M) FOR AUTHORITY TO IMPLEMENT THE CUSTOMER INFORMATION SYSTEM REPLACEMENT PROGRAM** are true to my own knowledge, except as to matters which are therein stated on information and belief, and as to those matters I believe them to be true.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct to the best of my knowledge.

Executed this 28th day of April, 2017, at San Diego, California.

/s/ Scott Crider
Scott Crider
Vice President – Customer Services
SAN DIEGO GAS & ELECTRIC COMPANY

APPENDIX A

Financials, Balance Sheet, Income Statement

SAN DIEGO GAS & ELECTRIC COMPANY
FINANCIAL STATEMENT
Dec 31, 2016

(a) Amounts and Kinds of Stock Authorized:			
Common Stock	255,000,000	shares	Without Par Value
Amounts and Kinds of Stock Outstanding:			
Common Stock	116,583,358	shares	291,458,395

(b) Brief Description of Mortgage:

Full information as to this item is given in Application Nos. 93-09-069,04-01-009, 06-05-015, 08-07-029, 10-10-023, 12-03-005, and 15-08-011 to which references are hereby made.

(c) Number and Amount of Bonds Authorized and Issued:

	Nominal Date of Issue	Par Value Authorized and Issued	Outstanding	Interest Paid in 2016
First Mortgage Bonds:				
6.80% Series KK, due 2013	12-01-91	14,400,000	0	0
Var% Series OO, due 2027	12-01-92	0	0	2,625,000
5.875% Series VV, due 2034	06-17-04	43,615,000	43,615,000	2,562,346
5.875% Series WW, due 2034	06-17-04	40,000,000	40,000,000	2,350,000
5.875% Series XX, due 2034	06-17-04	35,000,000	35,000,000	2,056,250
5.875% Series YY, due 2034	06-17-04	24,000,000	24,000,000	1,410,000
5.875% Series ZZ, due 2034	06-17-04	33,650,000	33,650,000	1,976,938
4.00% Series AAA, due 2039	06-17-04	75,000,000	75,000,000	3,000,000
5.35% Series BBB, due 2035	05-19-05	250,000,000	250,000,000	13,375,000
6.00% Series DDD, due 2026	06-08-06	250,000,000	250,000,000	15,000,000
1.65% Series EEE, due 2018	09-21-06	161,240,000	161,240,000	2,660,460
6.125% Series FFF, due 2037	09-20-07	250,000,000	250,000,000	15,312,500
6.00% Series GGG, due 2039	05-14-09	300,000,000	300,000,000	18,000,000
5.35% Series HHH, due 2040	05-13-10	250,000,000	250,000,000	13,375,000
4.50% Series III, due 2040	08-26-10	500,000,000	500,000,000	22,500,000
3.00% Series JJJ, due 2021	08-18-11	350,000,000	350,000,000	10,500,000
3.95% Series LLL, due 2041	11-17-11	250,000,000	250,000,000	9,875,000
4.30% Series MMM, due 2042	03-22-12	250,000,000	250,000,000	10,750,000
3.60% Series NNN, due 2023	09-09-13	450,000,000	450,000,000	16,200,000
Variable Series OOO, due 2017	03-12-15	140,000,000	140,000,000	1,210,959
1.9140% Series PPP, due 2022	03-12-15	73,290,611	73,290,611	4,272,326
2.50% Series QQQ, due 2026	05-19-16	500,000,000	500,000,000	6,111,111
Total 1st. Mortgage Bonds:			4,225,795,611	175,122,889
1.050% Commercial Paper - Long	11-19-15	53,650,000	0	575,843
TOTAL LONG-TERM DEBT			4,225,795,611	

**SAN DIEGO GAS & ELECTRIC COMPANY
FINANCIAL STATEMENT**

Dec 31, 2016

Other Indebtedness:	Date of Issue	Date of Maturity	Interest Rate	Outstanding	Interest Paid 2016
Commercial Paper & ST Bank	Various	Various	Various	-	\$212,618

Amounts and Rates of Dividends Declared:

The amounts and rates of dividends during the past five fiscal years are as follows:

Preferred Stock	Shares Outstanding					
		2012	2013	2014	2015	2016
5.00%	-	\$375,000	\$281,250	-	-	-
4.50%	-	270,000	202,500	-	-	-
4.40%	-	286,000	214,500	-	-	-
4.60%	-	343,868	257,901	-	-	-
1.70%	-	2,380,000	1,785,000	-	-	-
1.82%	-	1,164,800	873,600	-	-	-
Total	-	\$4,819,668	\$3,614,751	-	-	-

Common Stock	2012	2013	2014	2015	2016
[1]	-	-	\$200,000,000	300,000,000	175,000,000

NOTE 11 PREFERRED STOCK 10K:

On October 15, 2013, SDG&E redeemed all six series of its outstanding shares of contingently redeemable preferred stock for \$82 million, including a \$3 million early call premium.

A balance sheet and a statement of income and retained earnings of applicant for the twelve months ended Dec 31, 2016 are attached hereto.

[1] San Diego Gas & Electric Company dividend to parent.

SAN DIEGO GAS & ELECTRIC COMPANY
BALANCE SHEET
ASSETS AND OTHER DEBITS
December 31, 2016

	1. UTILITY PLANT	<u>2016</u>
101	UTILITY PLANT IN SERVICE	\$15,427,433,007
102	UTILITY PLANT PURCHASED OR SOLD	-
104	UTILITY PLANT LEASED TO OTHERS	85,194,000
105	PLANT HELD FOR FUTURE USE	11,307,728
106	COMPLETED CONSTRUCTION NOT CLASSIFIED	-
107	CONSTRUCTION WORK IN PROGRESS	1,180,949,603
108	ACCUMULATED PROVISION FOR DEPRECIATION OF UTILITY PLANT	(4,888,267,176)
111	ACCUMULATED PROVISION FOR AMORTIZATION OF UTILITY PLANT	(647,464,698)
114	ELEC PLANT ACQUISITION ADJ	3,750,722
115	ACCUM PROVISION FOR AMORT OF ELECTRIC PLANT ACQUIS ADJ	(1,250,240)
118	OTHER UTILITY PLANT	1,159,740,000
119	ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF OTHER UTILITY PLANT	(273,925,071)
120	NUCLEAR FUEL - NET	-
	TOTAL NET UTILITY PLANT	<u>12,057,467,874</u>

	2. OTHER PROPERTY AND INVESTMENTS	
121	NONUTILITY PROPERTY	5,946,616
122	ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION	(364,300)
158	NON-CURRENT PORTION OF ALLOWANCES	182,186,711
123	INVESTMENTS IN SUBSIDIARY COMPANIES	-
124	OTHER INVESTMENTS	-
125	SINKING FUNDS	-
128	OTHER SPECIAL FUNDS	1,026,292,476
175	LONG-TERM PORTION OF DERIVATIVE ASSETS	<u>74,686,837</u>
	TOTAL OTHER PROPERTY AND INVESTMENTS	<u>1,288,748,340</u>

Data from SPL as of April 18, 2017

SAN DIEGO GAS & ELECTRIC COMPANY
BALANCE SHEET
ASSETS AND OTHER DEBITS
December 31, 2016

3. CURRENT AND ACCRUED ASSETS		2016
131	CASH	1,666,494
132	INTEREST SPECIAL DEPOSITS	-
134	OTHER SPECIAL DEPOSITS	-
135	WORKING FUNDS	500
136	TEMPORARY CASH INVESTMENTS	-
141	NOTES RECEIVABLE	-
142	CUSTOMER ACCOUNTS RECEIVABLE	290,548,308
143	OTHER ACCOUNTS RECEIVABLE	16,989,164
144	ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS	(4,268,739)
145	NOTES RECEIVABLE FROM ASSOCIATED COMPANIES	31,230,276
146	ACCOUNTS RECEIVABLE FROM ASSOCIATED COMPANIES	875,047
151	FUEL STOCK	2,289,968
152	FUEL STOCK EXPENSE UNDISTRIBUTED	-
154	PLANT MATERIALS AND OPERATING SUPPLIES	112,815,264
156	OTHER MATERIALS AND SUPPLIES	-
158	ALLOWANCES	198,409,740
158	LESS: NON-CURRENT PORTION OF ALLOWANCES	(182,186,711)
163	STORES EXPENSE UNDISTRIBUTED	-
164	GAS STORED	243,883
165	PREPAYMENTS	188,552,215
171	INTEREST AND DIVIDENDS RECEIVABLE	714,901
173	ACCRUED UTILITY REVENUES	67,615,000
174	MISCELLANEOUS CURRENT AND ACCRUED ASSETS	2,294,000
175	DERIVATIVE INSTRUMENT ASSETS	132,560,020
175	LESS: LONG -TERM PORTION OF DERIVATIVE INSTRUMENT ASSETS	(74,686,837)
	TOTAL CURRENT AND ACCRUED ASSETS	785,662,493
4. DEFERRED DEBITS		
181	UNAMORTIZED DEBT EXPENSE	32,459,597
182	UNRECOVERED PLANT AND OTHER REGULATORY ASSETS	2,802,840,070
183	PRELIMINARY SURVEY & INVESTIGATION CHARGES	117,519
184	CLEARING ACCOUNTS	2,015,793
185	TEMPORARY FACILITIES	-
186	MISCELLANEOUS DEFERRED DEBITS	23,389,953
188	RESEARCH AND DEVELOPMENT	-
189	UNAMORTIZED LOSS ON REACQUIRED DEBT	12,069,663
190	ACCUMULATED DEFERRED INCOME TAXES	316,952,547
	TOTAL DEFERRED DEBITS	3,189,845,142
	TOTAL ASSETS AND OTHER DEBITS	17,321,723,849

Data from SPL as of April 18, 2017

SAN DIEGO GAS & ELECTRIC COMPANY
BALANCE SHEET
LIABILITIES AND OTHER CREDITS
December 31, 2016

5. PROPRIETARY CAPITAL

		2016
201	COMMON STOCK ISSUED	(\$291,458,395)
204	PREFERRED STOCK ISSUED	-
207	PREMIUM ON CAPITAL STOCK	(591,282,978)
210	GAIN ON RETIRED CAPITAL STOCK	-
211	MISCELLANEOUS PAID-IN CAPITAL	(479,665,369)
214	CAPITAL STOCK EXPENSE	24,605,640
216	UNAPPROPRIATED RETAINED EARNINGS	(4,310,137,617)
219	ACCUMULATED OTHER COMPREHENSIVE INCOME	7,479,065
	TOTAL PROPRIETARY CAPITAL	(5,640,459,654)

6. LONG-TERM DEBT

221	BONDS	(4,348,934,000)
223	ADVANCES FROM ASSOCIATED COMPANIES	-
224	OTHER LONG-TERM DEBT	-
225	UNAMORTIZED PREMIUM ON LONG-TERM DEBT	-
226	UNAMORTIZED DISCOUNT ON LONG-TERM DEBT	10,660,618
	TOTAL LONG-TERM DEBT	(4,338,273,382)

7. OTHER NONCURRENT LIABILITIES

227	OBLIGATIONS UNDER CAPITAL LEASES - NONCURRENT	(588,687,033)
228.2	ACCUMULATED PROVISION FOR INJURIES AND DAMAGES	(25,181,795)
228.3	ACCUMULATED PROVISION FOR PENSIONS AND BENEFITS	(235,792,423)
228.4	ACCUMULATED MISCELLANEOUS OPERATING PROVISIONS	-
244	LONG TERM PORTION OF DERIVATIVE LIABILITIES	(176,818,615)
230	ASSET RETIREMENT OBLIGATIONS	(828,608,319)
	TOTAL OTHER NONCURRENT LIABILITIES	(1,855,088,185)

Data from SPL as of April 18, 2017

SAN DIEGO GAS & ELECTRIC COMPANY
BALANCE SHEET
LIABILITIES AND OTHER CREDITS
December 31, 2016

8. CURRENT AND ACCRUED LIABILITES

		2016
231	NOTES PAYABLE	0
232	ACCOUNTS PAYABLE	(496,331,988)
233	NOTES PAYABLE TO ASSOCIATED COMPANIES	-
234	ACCOUNTS PAYABLE TO ASSOCIATED COMPANIES	(43,228,051)
235	CUSTOMER DEPOSITS	(76,071,281)
236	TAXES ACCRUED	(2,924,576)
237	INTEREST ACCRUED	(44,771,962)
238	DIVIDENDS DECLARED	-
241	TAX COLLECTIONS PAYABLE	(4,842,783)
242	MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES	(191,563,413)
243	OBLIGATIONS UNDER CAPITAL LEASES - CURRENT	(43,031,527)
244	DERIVATIVE INSTRUMENT LIABILITIES	(224,679,048)
244	LESS: LONG-TERM PORTION OF DERIVATIVE LIABILITIES	176,818,615
245	DERIVATIVE INSTRUMENT LIABILITIES - HEDGES	-
	TOTAL CURRENT AND ACCRUED LIABILITIES	(950,626,014)

9. DEFERRED CREDITS

252	CUSTOMER ADVANCES FOR CONSTRUCTION	(59,214,600)
253	OTHER DEFERRED CREDITS	(389,435,074)
254	OTHER REGULATORY LIABILITIES	(963,593,974)
255	ACCUMULATED DEFERRED INVESTMENT TAX CREDITS	(16,035,272)
257	UNAMORTIZED GAIN ON REACQUIRED DEBT	-
281	ACCUMULATED DEFERRED INCOME TAXES - ACCELERATED	-
282	ACCUMULATED DEFERRED INCOME TAXES - PROPERTY	(2,236,989,173)
283	ACCUMULATED DEFERRED INCOME TAXES - OTHER	(872,008,521)
	TOTAL DEFERRED CREDITS	(4,537,276,614)

TOTAL LIABILITIES AND OTHER CREDITS (\$17,321,723,849)

(\$4,537,276,614)

Data from SPL as of April 18, 2017

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT OF INCOME AND RETAINED EARNINGS
Twelve Months Ended December 31, 2016

1. UTILITY OPERATING INCOME

400	OPERATING REVENUES		\$4,675,441,554
401	OPERATING EXPENSES	\$2,813,748,005	
402	MAINTENANCE EXPENSES	147,675,353	
403-7	DEPRECIATION AND AMORTIZATION EXPENSES	609,479,576	
408.1	TAXES OTHER THAN INCOME TAXES	130,167,481	
409.1	INCOME TAXES	22,002,634	
410.1	PROVISION FOR DEFERRED INCOME TAXES	627,850,891	
411.1	PROVISION FOR DEFERRED INCOME TAXES - CREDIT	(366,146,724)	
411.4	INVESTMENT TAX CREDIT ADJUSTMENTS	(2,693,659)	
411.6	GAIN FROM DISPOSITION OF UTILITY PLANT	-	
	TOTAL OPERATING REVENUE DEDUCTIONS		3,982,083,557
	NET OPERATING INCOME		693,357,997

2. OTHER INCOME AND DEDUCTIONS

415	REVENUE FROM MERCHANDISING, JOBBING AND CONTRACT WORK	-	
417	REVENUES OF NONUTILITY OPERATIONS	10,231	
417.1	EXPENSES OF NONUTILITY OPERATIONS	12,707	
418	NONOPERATING RENTAL INCOME	33,467	
418.1	EQUITY IN EARNINGS OF SUBSIDIARIES	-	
419	INTEREST AND DIVIDEND INCOME	5,785,275	
419.1	ALLOWANCE FOR OTHER FUNDS USED DURING CONSTRUCTION	46,452,775	
421	MISCELLANEOUS NONOPERATING INCOME	3,203,447	
421.1	GAIN ON DISPOSITION OF PROPERTY	-	
	TOTAL OTHER INCOME	55,497,902	
421.2	LOSS ON DISPOSITION OF PROPERTY	-	
425	MISCELLANEOUS AMORTIZATION	250,048	
426	MISCELLANEOUS OTHER INCOME DEDUCTIONS	2,892,555	
	TOTAL OTHER INCOME DEDUCTIONS	3,142,603	
408.2	TAXES OTHER THAN INCOME TAXES	647,229	
409.2	INCOME TAXES	230,873	
410.2	PROVISION FOR DEFERRED INCOME TAXES	17,722,396	
411.2	PROVISION FOR DEFERRED INCOME TAXES - CREDIT	(19,449,488)	
	TOTAL TAXES ON OTHER INCOME AND DEDUCTIONS	(848,990)	
	TOTAL OTHER INCOME AND DEDUCTIONS		53,204,289
	INCOME BEFORE INTEREST CHARGES		746,562,286
	EXTRAORDINARY ITEMS AFTER TAXES		0
	NET INTEREST CHARGES*		176,992,974
	NET INCOME		\$569,569,312

*NET OF ALLOWANCE FOR BORROWED FUNDS USED DURING CONSTRUCTION, (\$15,132,370)

SAN DIEGO GAS & ELECTRIC COMPANY
STATEMENT OF INCOME AND RETAINED EARNINGS
Twelve Months Ended December 31, 2016

3. RETAINED EARNINGS

RETAINED EARNINGS AT BEGINNING OF PERIOD, AS PREVIOUSLY REPORTED	\$3,892,862,778
NET INCOME (FROM PRECEDING PAGE)	569,569,312
DIVIDEND TO PARENT COMPANY	(175,000,000)
DIVIDENDS DECLARED - PREFERRED STOCK	0
OTHER RETAINED EARNINGS ADJUSTMENTS	22,705,527
RETAINED EARNINGS AT END OF PERIOD	<u>\$4,310,137,617</u>

APPENDIX B

Electric Tariff Table of Contents



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The following sheets contain all the effective rates and rules affecting rates, service and information relating thereto, in effect on the date indicated herein.

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Advice Ltr. No. 2985-E-A

Decision No. 16-06-029

Issued by
Dan Skopec
Vice President
Regulatory Affairs

Date Filed Mar 14, 2017
Effective Mar 17, 2017
Resolution No. _____



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DR-TOU	Domestic Time-of-Use Service	28654, 28655, 28656, 28657, 28658, 27659-E 25535, 26565-E	T
TOU-DR	Residential – Time of Use Service	28659,28660, 28661, 28662, 26057, 25542-E	T
DR-SES	Domestic Households with a Solar Energy System	28196, 26571, 26572, 24335-E	T
E-CARE	California Alternate Rates for Energy	28663, 28664, 26575, 26576, 26577, 26578-E 26579-E	T
DM	Multi-Family Service	28665, 28666, 28667, 26583, 27668, 24242-E	T
DS	Submetered Multi-Family Service	28668, 28669, 28670, 26587, 24247, 27672-E 24249, 24250-E	T
DT	Submetered Multi-Family Service Mobilehome Park	28671, 28672, 28673, 26591, 24455, 27676-E 24257, 24258, 24259-E	T
DT-RV	Submetered Service – Recreational Vehicle Parks and Residential Marinas	28674, 28675, 28677, 26595, 24455, 27680-E 24266, 24267-E	T
EV-TOU	Domestic Time-of-Use for Electric Vehicle Charging	28677, 26597, 24270-E	T
EV-TOU-2	Domestic Time-of-Use for Households With Electric Vehicles	28678, 26599, 24272, 24274-E	T
DE	Domestic Service to Utility Employee	20017-E	
FERA	Family Electric Rate Assistance	28685, 26601-E	T
PEVSP	Plug-In Electric Vehicle Submetering Pilot	25237, 26183, 26184, 26185, 26186-E	
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TOU-DR-E3	Control Your Use E3 (Experimental)	28131, 28683, 28684, 27455, 27456-E	T
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AD	General Service - Demand Metered	28690, 28691, 21772-E	T
A-TOU	General Service - Small - Time Metered	28692, 24286, 20503, 21773-E	T
AL-TOU	General Service - Time Metered	28693, 26756, 28694, 28695, 20508, 21434-E 21774, 26878-E	T
AY-TOU	General Service – Time Metered – Optional	28696, 28697, 25433, 21776-E	T
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OL-TOU	Outdoor Lighting – Time Metered	28702, 24302, 21448, 21449-E	T

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S	Standby Service	28591, 18256, 21453-E
S-I	Standby Service – Interruptible	17678, 6085, 6317-E
SE	Service Establishment Charge	18651, 11594-E
DA	Transportation of Electric Power for Direct Access Customers	17679, 14953, 14954, 21894, 15111, 16976-E 21454, 21895-E
NDA	UDC Meter Services for Non-Direct Access Customers	17892, 11850, 11851, 21455, 16427-E
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BIP	Base Interruptible Program	22951, 22952, 23042, 22954, 22955-E
OBMC	Optional Binding Mandatory Curtailment Plan.....	14625, 15198, 14627, 21948-21951-E
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RBRP	Rolling Blackout Reduction Program.....	18259, 18260, 20546, 18262-E
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DBP-DA	Demand Bidding - Day Ahead (US Navy).....	25220, 25221, 23630, 23631-E
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San Diego Gas & Electric Company
San Diego, California

Revised Cal. P.U.C. Sheet No. 22550-G

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110-00432	11-16	Form of Bill - Gas Service - Opening, Closing and Regular Monthly Statements.....	22294-G
110-00432/2	03-14	Form of Bill – Gas Service – Pink Past Due Format.....	21957-G
<u>Collection Notices</u>			
101-00751	08-14	Final Notice Before Disconnect (MDTs).....	20732-G
101-00752	04-11	Final Notice Before Disconnect (delivered).....	18763-G
101-00753	03-14	Back of Urgent Notice Applicable to Forms 101-00753/1 through 101-00753/11.....	20446-G
101-00753/1	02-04	Urgent Notice Payment Request Security Deposit to Establish Credit.....	18764-G
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San Diego Gas & Electric Company
San Diego, California

Revised Cal. P.U.C. Sheet No. 19182-G

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<u>Form No.</u>	<u>Date</u>	<u>Operation Notices</u>	<u>Cal. P.U.C. Sheet No.</u>
101-15152B	---	Door Knob Meter Reading Card.....	1939-G
101-3052B	3-69	Temporary "After Hour" Turn On Notice.....	1930-G
108-2132D	---	Notice of Faulty Equipment.....	1933-G
108-4132B	---	Caution Unvented Heater.....	1938-G
108-4213/4C	6-70	Shut Off Notice for Work on Gas Service Line.....	1936-G
108-5132A	---	Notice of Potentially Unsafe Gas Appliance.....	1937-G
108-8213	---	Interruption of Service Notice.....	1932-G
115-00363/2	9-00	Sorry We Missed You.....	11342-G
115-01363	9-00	Gas Outage.....	11343-G
115-7152A	---	Access Problem Notice.....	2950-G
124-00020	3-01	Houseline Gas Leak Detection Doorhanger.....	11553-G
124-70A		No Service Tag.....	1935-G

INDEX OF AREA MAPS

Map 1 – Territory Served.....	17583-G
Map 2 – Thermal Zones.....	19178-G

T

9C7

Advice Ltr. No. 2087-G

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President

Date Filed Jan 19, 2012

Effective Feb 15, 2012

Resolution No. _____

APPENDIX D

Statement of Proposed Rate Increases

The Tables below presents illustrative class average electric and gas rate impacts (i.e. rate increase) associated with the proposals and related revenue requirements proposed in this Application. Further details regarding the proposed rate designs and revenue requirements can be found in the direct testimony of Lisa Browy and Marjorie Schimidt-Pines (Chapter 8) and direct testimony of Michael Woodruff (Chapter 9).

Illustrative Class Average Electric Rate Impacts

Customer Class	Class Average Rates Effective 3/1/2017	2021 Class Average Rates Reflecting Proposed Revenue Increase Included in this Application (¢ / kWh)	Total Rate Increase (¢ / kWh)	Percentage Rate Increase (%)
Residential	24.990	25.058	0.068	0.27%
Small Commercial	23.928	23.994	0.066	0.28%
Medium & Large C&I*	19.850	19.882	0.032	0.16%
Agriculture	17.735	17.775	0.040	0.23%
Lighting	19.917	19.935	0.036	0.18%
System Total	22.122	22.171	0.049	0.22%

*C&I stands for Commercial and Industrial.

Illustrative Class Average Gas Rate Impacts

Customer Class	Annual ¢/Therm	Percentage Rate Increase (%)
Residential	0.03 ¢/Therm	2.9%
Commercial	0.63 ¢/Therm	1.7%
Natural Gas Vehicles	0.03 ¢/Therm	0.2%
Large Industrial (distribution level service)	0.31 ¢/Therm	3.3%
Large Industrial (transmission level service)	0.004 ¢/Therm	0.2%
System Total	0.84 ¢/Therm	2.6%

APPENDIX E

Original Cost and Depreciation

SAN DIEGO GAS & ELECTRIC COMPANY

**COST OF PROPERTY AND
DEPRECIATION RESERVE APPLICABLE THERETO
AS OF DECEMBER 31, 2016**

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
ELECTRIC DEPARTMENT			
302	Franchises and Consents	222,841.36	202,900.30
303	Misc. Intangible Plant	153,458,221.94	82,952,172.91
	TOTAL INTANGIBLE PLANT	153,681,063.30	83,155,073.21
310.1	Land	14,526,518.29	46,518.29
310.2	Land Rights	0.00	0.00
311	Structures and Improvements	95,472,041.44	42,973,020.80
312	Boiler Plant Equipment	168,150,618.62	72,882,470.59
314	Turbogenerator Units	138,276,524.45	49,589,182.90
315	Accessory Electric Equipment	85,716,403.89	35,880,924.48
316	Miscellaneous Power Plant Equipment	46,959,891.55	11,016,047.83
	Steam Production Decommissioning	0.00	0.00
	TOTAL STEAM PRODUCTION	549,101,998.24	212,388,164.89
320.1	Land	0.00	0.00
320.2	Land Rights	0.00	0.00
321	Structures and Improvements	27,285,711.08	2,658,162.87
322	Boiler Plant Equipment	243,225,717.06	21,662,290.99
323	Turbogenerator Units	26,982,364.66	2,370,893.39
324	Accessory Electric Equipment	10,878,214.67	1,458,232.53
325	Miscellaneous Power Plant Equipment	166,754,468.86	48,807,803.51
101	SONGS PLANT CLOSURE GROSS PLANT-	(475,126,476.33)	(76,957,383.29)
	TOTAL NUCLEAR PRODUCTION	0.00	0.00
340.1	Land	143,475.87	0.00
340.2	Land Rights	56,032.61	9,138.97
341	Structures and Improvements	22,703,423.92	7,200,892.74
342	Fuel Holders, Producers & Accessories	21,324,500.79	6,580,330.37
343	Prime Movers	87,694,264.51	34,242,023.58
344	Generators	344,301,753.27	133,770,672.92
345	Accessory Electric Equipment	32,510,919.85	12,597,394.56
346	Miscellaneous Power Plant Equipment	26,173,720.53	13,219,344.40
	TOTAL OTHER PRODUCTION	534,908,091.35	207,619,797.54
	TOTAL ELECTRIC PRODUCTION	1,084,010,089.59	420,007,962.43

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
350.1	Land	66,537,444.02	0.00
350.2	Land Rights	155,511,101.89	20,426,643.82
352	Structures and Improvements	477,012,670.93	64,045,140.78
353	Station Equipment	1,403,343,804.63	269,084,925.97
354	Towers and Fixtures	894,860,413.97	158,789,060.77
355	Poles and Fixtures	453,557,668.06	93,379,545.94
356	Overhead Conductors and Devices	568,267,075.05	221,578,344.35
357	Underground Conduit	354,564,091.16	53,188,014.68
358	Underground Conductors and Devices	372,785,913.92	52,594,762.38
359	Roads and Trails	309,857,331.77	28,247,884.70
101	SONGS PLANT CLOSURE GROSS PLANT-	0.00	0.00
	TOTAL TRANSMISSION	5,056,297,515.40	961,334,323.39
360.1	Land	16,176,227.80	0.00
360.2	Land Rights	85,105,159.80	40,700,977.46
361	Structures and Improvements	4,684,420.32	1,813,356.22
362	Station Equipment	497,743,667.56	166,234,965.86
363	Storage Battery Equipment	38,262,883.92	6,698,466.78
364	Poles, Towers and Fixtures	671,234,957.39	265,846,550.67
365	Overhead Conductors and Devices	612,265,759.06	202,233,975.72
366	Underground Conduit	1,179,180,816.54	463,386,714.25
367	Underground Conductors and Devices	1,477,509,699.52	883,727,150.79
368.1	Line Transformers	597,268,187.99	139,098,170.47
368.2	Protective Devices and Capacitors	34,948,634.53	3,104,434.64
369.1	Services Overhead	146,323,665.87	119,990,843.46
369.2	Services Underground	342,165,360.26	241,411,745.77
370.1	Meters	193,377,161.17	77,660,818.92
370.2	Meter Installations	55,788,157.67	20,307,878.06
371	Installations on Customers' Premises	8,616,916.86	10,352,612.28
373.1	St. Lighting & Signal Sys.-Transformers	0.00	0.00
373.2	Street Lighting & Signal Systems	29,637,523.68	18,672,782.73
	TOTAL DISTRIBUTION PLANT	5,990,289,199.94	2,661,241,444.08
389.1	Land	7,312,142.54	0.00
389.2	Land Rights	0.00	0.00
390	Structures and Improvements	33,480,595.20	24,194,901.71
392.1	Transportation Equipment - Autos	0.00	49,884.21
392.2	Transportation Equipment - Trailers	58,145.67	13,543.99
393	Stores Equipment	8,545.97	8,329.30
394.1	Portable Tools	25,617,106.25	8,636,338.81
394.2	Shop Equipment	341,135.67	253,928.80
395	Laboratory Equipment	5,152,106.01	469,685.35
396	Power Operated Equipment	60,528.93	117,501.67
397	Communication Equipment	271,081,974.35	103,490,806.11
398	Miscellaneous Equipment	5,799,585.20	1,002,227.08
	TOTAL GENERAL PLANT	348,911,865.79	138,237,147.03
101	TOTAL ELECTRIC PLANT	12,633,189,734.02	4,263,975,950.14

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
GAS PLANT			
302	Franchises and Consents	86,104.20	86,104.20
303	Miscellaneous Intangible Plant	0.00	0.00
	TOTAL INTANGIBLE PLANT	86,104.20	86,104.20
360.1	Land	0.00	0.00
361	Structures and Improvements	0.00	0.00
362.1	Gas Holders	0.00	0.00
362.2	Liquefied Natural Gas Holders	0.00	0.00
363	Purification Equipment	0.00	0.00
363.1	Liquefaction Equipment	0.00	0.00
363.2	Vaporizing Equipment	0.00	0.00
363.3	Compressor Equipment	0.00	0.00
363.4	Measuring and Regulating Equipment	0.00	0.00
363.5	Other Equipment	0.00	0.00
363.6	LNG Distribution Storage Equipment	2,242,164.87	1,078,754.23
	TOTAL STORAGE PLANT	2,242,164.87	1,078,754.23
365.1	Land	4,649,143.75	0.00
365.2	Land Rights	2,232,291.80	1,388,035.60
366	Structures and Improvements	17,454,364.15	10,013,521.95
367	Mains	232,934,288.15	75,357,743.18
368	Compressor Station Equipment	90,195,901.06	68,614,010.04
369	Measuring and Regulating Equipment	23,104,561.20	16,696,871.55
371	Other Equipment	117,058.52	3,900.27
	TOTAL TRANSMISSION PLANT	370,687,608.63	172,074,082.59
374.1	Land	1,083,616.95	0.00
374.2	Land Rights	8,316,470.44	6,896,498.06
375	Structures and Improvements	43,446.91	61,253.10
376	Mains	884,546,207.74	368,523,614.88
378	Measuring & Regulating Station Equipment	18,055,887.32	8,040,161.50
380	Distribution Services	267,051,852.85	296,360,474.14
381	Meters and Regulators	157,587,827.32	54,693,875.29
382	Meter and Regulator Installations	95,781,492.33	39,314,088.29
385	Ind. Measuring & Regulating Station Equipment	1,516,810.70	1,200,157.19
386	Other Property On Customers' Premises	0.00	0.00
387	Other Equipment	5,223,271.51	4,955,655.91
	TOTAL DISTRIBUTION PLANT	1,439,206,884.07	780,045,778.36

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
392.1	Transportation Equipment - Autos	0.00	25,503.00
392.2	Transportation Equipment - Trailers	74,500.55	74,500.68
394.1	Portable Tools	10,072,198.03	4,057,883.96
394.2	Shop Equipment	76,864.06	51,845.17
395	Laboratory Equipment	283,093.66	275,185.28
396	Power Operated Equipment	16,162.40	8,026.95
397	Communication Equipment	2,704,868.34	1,084,893.49
398	Miscellaneous Equipment	473,380.31	72,038.18
	TOTAL GENERAL PLANT	<u>13,701,067.35</u>	<u>5,649,876.71</u>
101	TOTAL GAS PLANT	<u>1,825,923,829.12</u>	<u>958,934,596.09</u>
COMMON PLANT			
303	Miscellaneous Intangible Plant	394,023,163.41	252,892,419.02
350.1	Land	0.00	0.00
360.1	Land	0.00	0.00
389.1	Land	7,168,914.56	0.00
389.2	Land Rights	857,384.59	27,776.34
390	Structures and Improvements	348,570,446.62	148,905,864.64
391.1	Office Furniture and Equipment - Other	32,105,175.02	14,947,792.49
391.2	Office Furniture and Equipment - Computer E	49,898,065.62	30,568,518.55
392.1	Transportation Equipment - Autos	408,265.53	(293,878.49)
392.2	Transportation Equipment - Trailers	12,195.98	5,070.30
393	Stores Equipment	58,941.18	45,602.10
394.1	Portable Tools	1,232,026.51	367,390.64
394.2	Shop Equipment	191,385.80	121,683.84
394.3	Garage Equipment	1,626,443.82	227,945.82
395	Laboratory Equipment	2,095,455.34	982,940.82
396	Power Operated Equipment	0.00	(192,979.10)
397	Communication Equipment	188,234,125.17	75,536,327.32
398	Miscellaneous Equipment	2,446,629.19	462,081.67
118.1	TOTAL COMMON PLANT	<u>1,028,928,618.34</u>	<u>524,604,555.96</u>
	TOTAL ELECTRIC PLANT	12,633,189,734.02	4,263,975,950.14
	TOTAL GAS PLANT	1,825,923,829.12	958,934,596.09
	TOTAL COMMON PLANT	<u>1,028,928,618.34</u>	<u>524,604,555.96</u>
101 & 118.1	TOTAL	<u>15,488,042,181.48</u>	<u>5,747,515,102.19</u>
101	PLANT IN SERV-SONGS FULLY RECOVER	<u>0.00</u>	<u>0.00</u>
101	PLANT IN SERV-ELECTRIC NON-RECON		
	Electric	0.00	0.00
	Gas	0.00	0.00
		<u>0.00</u>	<u>0.00</u>

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
101	PLANT IN SERV-ASSETS HELD FOR SALE		
	Electric	0.00	0.00
	Common	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
101	PLANT IN SERV-LEGACY METER RECLASS		
	Electric	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
101	PLANT IN SERV-PP TO SAP OUT OF BAL		
	Electric	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
118	PLANT IN SERV-COMMON NON-RECON		
	Common - Transferred Asset Adjustment	(1,627,745.96)	(1,627,745.96)
		<u>(1,627,745.96)</u>	<u>(1,627,745.96)</u>
101	Accrual for Retirements		
	Electric	(5,334,211.52)	(5,334,211.52)
	Gas	(102,461.26)	(102,461.26)
		<u>(5,436,672.78)</u>	<u>(5,436,672.78)</u>
	TOTAL PLANT IN SERV-ACCRUAL FOR RE	<u>(5,436,672.78)</u>	<u>(5,436,672.78)</u>
102	Electric	0.00	0.00
	Gas	0.00	0.00
		<u>0.00</u>	<u>0.00</u>
	TOTAL PLANT PURCHASED OR SOLD	<u>0.00</u>	<u>0.00</u>
104	Electric	85,194,000.02	14,261,043.81
	Gas	0.00	0.00
		<u>85,194,000.02</u>	<u>14,261,043.81</u>
	TOTAL PLANT LEASED TO OTHERS	<u>85,194,000.02</u>	<u>14,261,043.81</u>
105	Plant Held for Future Use		
	Electric	11,307,727.50	0.00
	Gas	0.00	0.00
		<u>11,307,727.50</u>	<u>0.00</u>
	TOTAL PLANT HELD FOR FUTURE USE	<u>11,307,727.50</u>	<u>0.00</u>
107	Construction Work in Progress		
	Electric	989,342,925.38	
	Gas	191,606,677.46	
	Common	126,503,879.36	
		<u>1,307,453,482.20</u>	<u>0.00</u>
	TOTAL CONSTRUCTION WORK IN PROGRESS	<u>1,307,453,482.20</u>	<u>0.00</u>
108	Accum. Depr SONGS Mitigation/Spent Fuel Disallowance		
	Electric	0.00	0.00
		<u>0.00</u>	<u>0.00</u>

<u>No.</u>	<u>Account</u>	<u>Original Cost</u>	<u>Reserve for Depreciation and Amortization</u>
108.5	Accumulated Nuclear Decommissioning Electric	0.00	1,025,383,766.74
	TOTAL ACCUMULATED NUCLEAR DECOMMISSIONING	0.00	1,025,383,766.74
101.1	ELECTRIC CAPITAL LEASES	852,823,281.00	221,473,683.00
118.1	COMMON CAPITAL LEASE	20,730,792.88	20,361,830.08
		873,554,073.88	241,835,513.08
120	NUCLEAR FUEL FABRICATION	62,963,775.37	40,861,208.00
120	SONGS PLANT CLOSURE-NUCLEAR FUEL	(62,963,775.37)	(40,861,208.00)
143	FAS 143 ASSETS - Legal Obligation	224,915.57	(1,021,647,303.73)
	SONGS Plant Closure - FAS 143 contra	0.00	0.00
	FIN 47 ASSETS - Non-Legal Obligation	84,742,931.67	35,106,729.90
143	FAS 143 ASSETS - Legal Obligation	0.00	(1,473,595,368.35)
	TOTAL FAS 143	84,967,847.24	(2,460,135,942.18)
	UTILITY PLANT TOTAL	17,843,454,893.58	4,561,795,064.90

APPENDIX F

Summary of Earnings

SAN DIEGO GAS & ELECTRIC COMPANY
SUMMARY OF EARNINGS
Twelve Months Ended December 31, 2016
(DOLLARS IN MILLIONS)

<u>Line No.</u>	<u>Item</u>	<u>Amount</u>
1	Operating Revenue	\$4,675
2	Operating Expenses	<u>3,982</u>
3	Net Operating Income	<u><u>\$693</u></u>
4	Weighted Average Rate Base	\$8,019
5	Rate of Return*	7.79%

*Authorized Cost of Capital

APPENDIX G

Service List

Notice to State, Cities, and Counties

State of California
Attorney General's Office
P.O. Box 944255
Sacramento, CA 94244-2550

State of California
Attn. Director Dept of General
Services
PO Box 989052
West Sacramento, CA 95798-9052

Department of U.S. Administration
General Services Administration
300 N. Los Angeles St. #3108
Los Angeles, CA 90012

Naval Facilities Engineering
Command
Navy Rate Intervention
1314 Harwood Street SE
Washing Navy Yard, DC 20374

Alpine County
Attn. County Clerk
99 Water Street, P.O. Box 158
Markleeville, CA 96120

Borrego Springs Chamber of
Commerce Attn. City Clerk
786 Palm Canyon Dr
PO Box 420
Borrego Springs CA 92004-0420

City of Carlsbad
Attn. City Attorney
1200 Carlsbad Village Drive
Carlsbad, CA 92008-19589

City of Carlsbad
Attn. Office of the County Clerk
1200 Carlsbad Village Drive
Carlsbad, CA 92008-19589

City of Chula Vista
Attn: Office of the City Clerk
276 Fourth Avenue
Chula Vista, California 91910-2631

City of Chula Vista
Attn. City Attorney
276 Fourth Ave
Chula Vista, Ca 91910-2631

City of Coronado
Attn. Office of the City Clerk
1825 Strand Way
Coronado, CA 92118

City of Coronado
Attn. City Attorney
1825 Strand Way
Coronado, CA 92118

City of Dana Point
Attn. City Attorney
33282 Golden Lantern
Dana Point, CA 92629

City of Dana Point
Attn. City Clerk
33282 Golden Lantern
Dana Point, CA 92629

City of Del Mar
Attn. City Attorney
1050 Camino Del Mar
Del Mar, CA 92014

City of Del Mar
Attn. City Clerk
1050 Camino Del Mar
Del Mar, CA 92014

City of El Cajon
Attn. City Clerk
200 Civic Way
El Cajon, CA 92020

City of El Cajon
Attn. City Attorney
200 Civic Way
El Cajon, CA 92020

City of Encinitas
Attn. City Attorney
505 S. Vulcan Ave.
Encinitas, CA 92024

City of Encinitas
Attn. City Clerk
505 S. Vulcan Ave.
Encinitas, CA 92024

City of Escondido
Attn. City Clerk
201 N. Broadway
Escondido, CA 92025

City of Escondido
Attn. City Attorney
201 N. Broadway
Escondido, CA 92025

City of Fallbrook
Chamber of Commerce
Attn. City Clerk
111 S. Main Avenue
Fallbrook, CA 92028

City of Fallbrook
Chamber of Commerce
Attn. City Attorney
111 S. Main Avenue
Fallbrook, CA 92028

City of Imperial Beach
Attn. City Clerk
825 Imperial Beach Blvd
Imperial Beach, CA 92032

City of Imperial Beach
Attn. City Attorney
825 Imperial Beach Blvd
Imperial Beach, CA 92032

Julian Chamber of Commerce
P.O. Box 1866
2129 Main Street
Julian, CA

City of Laguna Beach
Attn. City Clerk
505 Forest Ave
Laguna Beach, CA 92651

City of Laguna Beach
Attn. City Attorney
505 Forest Ave
Laguna Beach, CA 92651

City of Laguna Niguel
Attn. City Attorney
30111 Crown Valley Parkway
Laguna Niguel, California 92677

City of Laguna Niguel
Attn. City Clerk
30111 Crown Valley Parkway
Laguna Niguel, California 92677

City of Lakeside
Attn. City Clerk
9924 Vine Street
Lakeside CA 92040

City of La Mesa
Attn. City Attorney
8130 Allison Avenue
La Mesa, CA 91941

City of La Mesa
Attn. City Clerk
8130 Allison Avenue
La Mesa, CA 91941

City of Lemon Grove
Attn. City Clerk
3232 Main St.
Lemon Grove, CA 92045

City of Lemon Grove
Attn. City Attorney
3232 Main St.
Lemon Grove, CA 92045

City of Mission Viejo
Attn: City Clerk
200 Civic Center
Mission Viejo, CA 92691

City of Mission Viejo
Attn: City Attorney
200 Civic Center
Mission Viejo, CA 92691

City of National City
Attn. City Clerk
1243 National City Blvd
National City, CA 92050

City of National City
Attn. City Attorney
1243 National City Blvd
National City, CA 92050

City of Oceanside
Attn. City Clerk
300 N. Coast Highway
Oceanside, CA 92054-2885

City of Oceanside
Attn. City Attorney
300 N. Coast Highway
Oceanside, CA 92054-2885

County of Orange
Attn. County Counsel
P.O. Box 1379
Santa Ana, CA 92702

County of Orange
Attn. County Clerk
12 Civic Center Plaza, Room 101
Santa Ana, CA 92701

City of Poway
Attn. City Clerk
P.O. Box 789
Poway, CA 92064

City of Poway
Attn. City Attorney
P.O. Box 789
Poway, CA 92064

City of Ramona
Attn. City Clerk
960 Main Street
Ramona, CA 92065

City of Ramona
Attn. City Attorney
960 Main Street
Ramona, CA 92065

City of San Diego
Attn. Mayor
202 C Street, 11th Floor
San Diego, CA 92101

City of San Clemente
Attn. City Clerk
100 Avenida Presidio
San Clemente, CA 92672

City of San Clemente
Attn. City Attorney
100 Avenida Presidio
San Clemente, CA 92672

County of San Diego
Attn. County Counsel
1600 Pacific Hwy
San Diego, CA 92101

County of San Diego
Attn. County Clerk
P.O. Box 121750
San Diego, CA 92101

City of San Diego
Attn. City Attorney
1200 Third Ave.
Suite 1620
San Diego, CA 92101

City of San Diego
Attn. City Clerk
202 C Street, 2nd Floor
San Diego, CA 92101

City of San Marcos
Attn. City Attorney
1 Civic Center Dr.
San Marcos, CA 92069

City of San Marcos
Attn. City Clerk
1 Civic Center Dr.
San Marcos, CA 92069

City of Santee
Attn. City Clerk
10601 Magnolia Avenue
Santee, CA 92071

City of Santee
Attn. City Attorney
10601 Magnolia Avenue
Santee, CA 92071

City of Solana Beach
Attn. City Attorney
635 S. Highway 101
Solana Beach, CA 92075

Spring Valley Chamber of
Commerce
Attn. City Clerk
3322 Sweetwater Springs Blvd,
Ste. 202
Spring Valley, CA 91977-3142

Valley Center Chamber of
Commerce
Attn. City Clerk
P.O. Box 8
Valley Center, CA 92082

City of Vista
Attn. City Attorney
200 Civic Center Drive, Bldg. K
Vista, CA 92084

City of Vista
Attn. City Clerk
200 Civic Center Drive
Vista, CA 92084

City of Aliso Viejo
12 Journey
Aliso Viejo, CA 92656