Docket	:	A.22-07-001
Exhibit Number	:	Cal Adv - #
Commissioner	:	Genevieve Shiroma
Administrative Law Judge	:	Jacob Rambo
Public Advocates Office Witness(es)	:	Justin Menda

PUBLIC ADVOCATES OFFICE
CALIFORNIA PUBLIC UTILITIES COMMISSION

REPORT ON PLANT FOR NORTHERN AND CENTRAL DIVISIONS AND TANK PAINTING

CALIFORNIA AMERICAN WATER COMPANY
General Rate Case Application 22-07-001
Test Year 2024

San Francisco, California
April 13, 2023

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MEMORANDUM

The Public Advocates Office at the California Public Utilities Commission ("Cal Advocates") examined application material, data request responses, and other information presented by California American Water Company ("Cal Am") in Application ("A.") 22-07-001 to provide the California Public Utilities Commission ("Commission" or "CPUC") with recommendations in the interests of ratepayers for safe and reliable service at the lowest cost. Mr. Cortney Sorensen is Cal Advocates' project lead for this proceeding. This Report is prepared by Mr. Justin Menda. Mr. Mukunda Dawadi is the oversight supervisor. Ms. Angela Wuerth and Ms. Emily Fisher are the legal counsel.

Although every effort was made to comprehensively review, analyze, and provide the Commission with recommendations on each ratemaking and policy aspect presented in the Application, the absence from Cal Advocates' testimony of any particular issue connotes neither agreement nor disagreement of the underlying request, methodology, or policy position related to that issue.

CHAPTER 1 PLANT – SACRAMENTO

I. INTRODUCTION

Cal Am's Sacramento District is comprised of the following water systems: Antelope, Arden, Dunnigan, Isleton, Lincoln Oaks, Meadowbrook, Parkway, Suburban Rosemont, Security Park, Walnut Grove, West Placer, Fruitridge Vista ("Fruitridge"), and Hillview.[1] The Sacramento District is supplied through a combination of groundwater wells and purchased water.[2]

Cal Am has actively pursued acquisition of other water systems to incorporate into its existing districts, including the Sacramento District. Cal Am acquired the Fruitridge and the Hillview systems in 2020.[3] Cal Am filed an application (A.22-03-002) in 2022 to acquire Bass Lake Water Company.[4] Approximately 25% and 18% of Cal Am's total annual proposed project budgets for the Sacramento District in 2024 and 2025 respectively are related to recent and pending acquisitions of other water systems.[5]

Cal Advocates reviewed Cal Am's testimony, application, work-papers, minimum data requirements, Comprehensive Planning Study ("CPS"), Condition Based Assessment of Buried Infrastructure, cost estimates, and responses to Cal Advocates'

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[1] Application (A.)22-07-001, *Direct Testimony of Garry Hofer* (Hofer Direct Testimony) at 3:17-20. A Proposed Decision issued in A.22-03-002 on February 17, 2023, which, if adopted by the Commission, authorizes Cal Am's purchase of Bass Lake Water Company assets.

[2] Hofer Direct Testimony at 6-7.

[3] Hofer Direct Testimony at 3-4.

[4] Hofer Direct Testimony at 67.

[5] Cal Advocates Report on Plant for Northern and Central Divisions, and Tank Painting, Chapter 1, (Cal Advocates Northern and Central Division Plant and Tank Painting) Attachment 1-2, *Capital Budget Details – Sacramento District*. Cal Am requests approximately $10,281,588 in 2024 and $8,152,939 in 2025 for direct project cost additions (including recurring project budget) related to recently acquired systems or pending system acquisition. This results in approximately 25% of Cal Am's total annual proposed project budgets in 2024 ($10,281,588 ÷ $40,832,021 ≈ 25%) and 18% of Cal Am's total annual proposed project budgets in 2025 ($8,152,939 ÷ $44,352,213 ≈ 18%). The aforementioned direct project cost additions include projects from the Dunnigan, Dunnigan Wastewater, Geyserville, Meadowbrook, Fruitridge, Hillview, and Bass Lake systems.

data requests. In addition, Cal Advocates conducted a field investigation of the Sacramento District's water systems on November 3-4, 2022. This chapter presents the recommendations the Commission should adopt for the proposed Plant in Service for Cal Am's Sacramento District.

II. SUMMARY OF RECOMMENDATIONS

The Commission should adjust Cal Am's requested budgets for individual proposed projects in the Sacramento District, as follows:

- The Commission should reduce the annual budget for the Hillview Tank Rehab Program (I15-670004) to $185,067 (from $471,960) for capitalized tank improvements and include $24,797 annually for tank painting improvements.[6]
- The Commission should reduce the annual budget for the Hillview Tank Replacement Program (I15-670005) to $327,319 (from $1,096,640) since only one tank requires replacement, and only allow funding for tank maintenance for the remaining nine tanks.[7]
- The Commission should reject funding for the Fruitridge Well Replacement and Installation Program (I15-6600006) because it is not necessary.[8] There is sufficient supply capacity in the Fruitridge system without the wells Cal Am proposes to replace.
- The Commission should reduce the main replacement budget in the Fruitridge system (I15-660002) to $3,595,120 in 2023, $3,706,569 in 2024, and $3,818,507 in 2025 based on the Cal Am's recommended main replacement rate.[9]
- The Commission should reduce the annual budget to $394,677 in 2024 and $406,596 in 2025 for the Service Saddle Replacement Program (I15-660002). This reduction is appropriate because it is necessary to reduce

[6] The tank painting costs are taken from the tank inspection reports.

[7] In addition, the Commission should also allow $294,807 annually for tank painting costs mentioned in the tank inspection reports. The tank maintenance costs are taken from the tank inspection reports.

[8] Cal Am requests $1,288,000 in 2024 and $2,760,000 in 2025.

[9] Cal Am Engineering Workpaper, Tab 109 at 1-4. Cal Am requests $7,360,000 in 2023, $6,523,720 in 2024, and $5,658,000 in 2025.

both the number of saddle services replaced annually and unit replacement costs.[10]

- The Commission should reduce the annual budget from for the Well Installation and Replacement Program (I15-600113) to $7,912,000 in 2024 and $8,912,000 in 2025 because it is not necessary to replace four wells.[11]
- The Commission should reduce the Malaga Well Replacement and 1,2,3-Trichloropropane ("1,2,3-TCP") (I15-600110) budget to $2,322,445 because the project is partially funded by a settlement.[12]
- The Commission should reject the Wittkop 2 Water Treatment Plant (I15-600108) since the manganese concentration at the well is under the secondary maximum contaminant level ("SMCL").[13]
- The Commission should deny the annual budget of $1,104,000 for the Standby Generator Improvement Program (I15-600115) and the 2023 budget of $690,000 for the Public Safety Power Shutoffs ("PSPS") Generator Improvements (I15-670001) consistent with Cal Advocates' recommendation regarding generators.[14]
- The Commission should reduce the annual main replacement program (I15-600111) budget to $2,064,617 based on Cal Am's historical spending on the main replacement program.[15]
- The Commission should remove the cost of unnecessary standby generators, redundant contingencies, and redundant overhead by reducing the proposed budget for the Coarsegold Iron and Manganese Water Treatment Plant ("WTP") (I15-670002) to $2,920,000 and the Goldside Iron and Manganese WTP (I15-670003) to $1,236,250.[16]

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[10] Cal Am requests $1,472,000 in 2024 and $2,024,000 in 2025.

[11] Cal Am requests $11,868,000 in 2024 and $12,466,000 in 2025.

[12] Cal Am requests a total direct project cost of $5,980,000.

[13] Cal Am requests $184,000 in 2024 and $3,484,040 in 2025.

[14] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

[15] Cal Am requests an annual budget of $4,600,000.

[16] Cal Am requests a direct project budget of $3,680,000 for both the Coarsegold Iron and Manganese WTP projects.

Recommendations on plant additions also reflect Cal Advocates' recommendations on project contingency and previously funded projects that are expected to be completed in 2024 or later. The Commission should not allow Cal Am to include in rates incomplete projects that have been previously included in rates until the projects are actually completed, in service, and providing benefits to ratepayers. Cal Am may seek recovery of the project costs when it files its next general rate case application (in 2025).

Attachment 1-2 presents Cal Advocates' project-specific adjustments.[17] These adjustments reduce the revenue requirement by approximately $3,230,112 in 2024 and $3,294,097 in 2025.[18] The Commission should adopt the capital budget summary presented in Table 1-1 below.

[17] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-2, *Capital Budget Details – Sacramento District*.

[18] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-11, *Sacramento District – Revenue Requirement Calculation* (showing the revenue requirement calculation).

Table 1-1: Capital Budget Summary – Sacramento District[19]

Sacramento ($000)	2024	2025	Annual Average
Public Advocates Office Recommendation	$26,993.46	$27,639.84	$ 27,316.65
Cal Am's Proposed	$40,832.02	$44,352.21	$ 42,592.12
Cal Am> Public Advocates Office	$13,838.56	$16,712.37	$ 15,275.47
Public Advocates Office as % of Cal Am	66%	62%	64%

III. ANALYSIS

Unless otherwise stated, the project costs listed and discussed below are direct project costs. The direct project costs are the cost of the project without add-on costs (e.g. overhead).

A. Proposed Projects

1. Hillview Tank Projects (I15-670004 and I15-670005)

The Commission should reduce Cal Am's proposed annual budget for the Hillview Tank Rehabilitation Program (I15-670004) to $185,067 (from $471,960)[20] due to separating $24,797 in annual tank painting costs from the capital budget and removing contingency. The Commission should also reduce Cal Am's proposed annual budget for the Hillview Tank Replacement Program (I15-670005) to $327,319 (from $1,096,640)[21] since only the Vista Heights Tank 2 requires replacement. It is appropriate only to allow

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[19] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[20] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[21] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests to replace ten tanks in 2024-2029.

tank maintenance costs for the remaining nine tanks.[22] In addition, the Commission should add $294,807 annually for tank painting budgets associated with these remaining nine tanks under the Hillview Tank Replacement Program.[23]

Cal Am calculates its proposed annual tank program budgets by dividing the individual tank costs over a six-year period (2024-2029).[24] Cal Am plans on replacing tanks in Hillview that were installed prior to 2017.[25] Cal Am conducted tank inspections for the tanks in Hillview in 2021.[26] These tank inspection reports provide a list of recommended improvements (both capitalized and deferred improvements).[27] For the Hillview Tank Replacement Program, the tank inspection reports only justify the

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[22] The recommended annual budget of $327,319 only includes capitalized tank improvement costs related to the nine tanks.

[23] The annual tank painting costs of $24,797 for the Hillview Tank Rehabilitation Program and $294,807 for the Hillview Tank Replacement Program would be treated as additional deferred program maintenance costs in Cal Am's RO model (Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC"). The tank painting costs are taken from the tank inspection reports.

[24] Cal Am Engineering Workpaper, Tab 117 at 1-22 to 1-23. Cal Am Engineering Workpaper, Tab 118 at 1-25 to 1-26.

[25] Crooks Direct Testimony at 230:20-21. Cal Am Engineering Workpaper, Tab 118 at1-25 to 1-26 shows that the proposed budget for the Hillview Tank Replacement Program is to replace ten tanks. The number of tanks was taken from the Cal Am Engineering Workpaper, Tab 118 since this is the number of tanks Cal Am used in calculating the annual project budget.

[26] A.22-07-001, *Direct Testimony of Ian C. Crooks* (Crooks Direct Testimony) at 229:11.

[27] Cal Am Response to Public Advocates Office Data Request JMI-004 (Hillview Tanks), JMI-004 Q1 Attachments 1 – Coarsegold 1 Evaluation Report Redacted at 16, 2 – Coarsegold 2 Evaluation Report Redacted at 17, 3 – Goldside Reservoir Evaluation Report Redacted at 9, 4 – Quail Meadows Tank Evaluation Report Redacted at 14, 6 – Vista Tank 2 Evaluation Report Redacted at 16, 7 – 420 Reservoir Evaluation Redacted at 16, 9 – 437 Reservoir Evaluation Report Redacted at 16, 10 – Site 9 Tank 1 Evaluation Report Redacted at 15, 11 – Site 9 Tank 2 Evaluation Report Redacted at 15, 12 – Site 10 Tank Evaluation Redacted at 16, 13 – SLWTP Tank 1 Evaluation Report Redacted at 16, 14 – SLWTP Tank 2 Evaluation Report Redacted at 16, 15 – SLWTP Backwash Tank Evaluation Report Redacted at 16, 16 – Courtney Tank #1 Evaluation Report Redacted at 16, 17 – Courtney Tank #2 Evaluation Report Redacted at 16, 18 – FRTP Tank #1 Evaluation Report Redacted at 16, 19 – FRTP Tank #2 Evaluation Report Redacted at 16, 20 – FRTP BWT Evaluation Report Redacted at 13, 21 – Raymond TP #1Tank Evaluation Report Redacted at 16, 22 – Raymond TP #2 Evaluation Report Redacted at 15, 23 – Influent Blending Tank Evaluation Report Redacted at 9, 24 – Raymond TP Sludge Tank Evaluation Report Redacted at 10, and 25 – Raymond TP BTW Evaluation Report Redacted at 10.

replacement of Vista Heights Tank 2 as a more economical option than repairs.[28] Since only one tank warrants replacement, funding for only one tank should be allowed for the Hillview Tank Replacement Program. For the remaining nine tanks in the Hillview Tank Replacement Program, only funding should be allowed for tank improvements.

The tank painting costs associated with the tanks in the Hillview Tank Rehabilitation Program and the remaining nine tanks in the Hillview Tank Replacement Program[29] should be separated from their respective capital budgets and treated as deferred program maintenance costs, consistent with how Cal Am handles tank painting costs.[30]

The improvements costs for the tanks in the Hillview Tank Rehabilitation Program and the remaining nine tanks in the Hillview Tank Replacement Program are artificially inflated with contingency costs.[31] Cal Advocates removed the contingency line-item

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[28] Cal Am Response to Public Advocates Office Data Request JMI-004 (Hillview Tanks), JMI-004 Q1 Attachments 1 – Coarsegold 1 Evaluation Report Redacted at 16, 2 – Coarsegold 2 Evaluation Report Redacted at 17, 3 – Goldside Reservoir Evaluation Report Redacted at 9, 4 – Quail Meadows Tank Evaluation Report Redacted at 14, 6 – Vista Tank 2 Evaluation Report Redacted at 16, 7 – 420 Reservoir Evaluation Redacted at 16, 9 – 437 Reservoir Evaluation Report Redacted at 16, 10 – Site 9 Tank 1 Evaluation Report Redacted at 15, 11 – Site 9 Tank 2 Evaluation Report Redacted at 15, 12 – Site 10 Tank Evaluation Redacted at 16.

[29] For some of the remaining nine tanks, most of the recommended improvement costs are routine tank maintenance related to tank painting. Cal Am Response to Public Advocates Office Data Request JMI-004 (Hillview Tanks), JMI-004 Q1 Attachments 7 – 420 Reservoir Evaluation Redacted at 16, 9 – 437 Reservoir Evaluation Report Redacted at 16, 10 – Site 9 Tank 1 Evaluation Report Redacted at 15, 11 – Site 9 Tank 2 Evaluation Report Redacted at 15. Tank painting costs represent approximately 74.4%, 83.2%, 49.8%, 51.7%, of the total improvement costs for the 420 Reservoir, 437 Reservoir, Site 9 Tanks 1 and 2, respectively.

[30] Crooks Direct Testimony at 259:15-17. Cal Am amortizes tank painting costs over a ten-year period. Cal Am treats tank painting costs as deferred program maintenance costs in their RO model (Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC").

[31] Cal Am Response to Public Advocates Office Data Request JMI-004 (Hillview Tanks), JMI-004 Q1 Attachments 1 – Coarsegold 1 Evaluation Report Redacted at 16, 2 – Coarsegold 2 Evaluation Report Redacted at 17, 3 – Goldside Reservoir Evaluation Report Redacted at 9, 4 – Quail Meadows Tank Evaluation Report Redacted at 14, 6 – Vista Tank 2 Evaluation Report Redacted at 16, 7 – 420 Reservoir Evaluation Redacted at 16, 9 – 437 Reservoir Evaluation Report Redacted at 16, 10 – Site 9 Tank 1 Evaluation Report Redacted at 15, 11 – Site 9 Tank 2 Evaluation Report Redacted at 15, 12 – Site 10 Tank Evaluation Redacted at 16. The inspection reports show a total contingency items budget of

from the project costs (which the tank inspection reports refer to as "contingency items"), [32] consistent with Cal Advocates' recommendation regarding project contingency."[33]

Based on the above adjustments to Cal Am's proposed budget for the Hillview Tank Rehabilitation Program, the Commission should approve an annual project budget of $185,067, plus a tank painting budget of $24,797 annually for tanks associated with the Hillview Tank Rehabilitation Program.[34] The Commission should also authorize an annual budget of $327,319, plus a tank painting budget of $294,807 for the Hillview Tank Replacement Program.[35]

2. Fruitridge Vista Well Replacement and Installation Program (I15-660006)

The Commission should reject Cal Am's request of $1,288,000 in 2024 and $2,760,000 in 2025[36] to replace three wells in the Fruitridge Vista system[37] because

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$188,000 among the nine tanks that has been included in the improvement costs.

[32] Cal Am Response to Public Advocates Office Data Request JMI-004 (Hillview Tanks), JMI-004 Q1 Attachments 1 – Coarsegold 1 Evaluation Report Redacted at 16, 2 – Coarsegold 2 Evaluation Report Redacted at 17, 3 – Goldside Reservoir Evaluation Report Redacted at 9, 4 – Quail Meadows Tank Evaluation Report Redacted at 14, 7 – 420 Reservoir Evaluation Redacted at 16, 9 – 437 Reservoir Evaluation Report Redacted at 16, 10 – Site 9 Tank 1 Evaluation Report Redacted at 15, 11 – Site 9 Tank 2 Evaluation Report Redacted at 15, 12 – Site 10 Tank Evaluation Redacted at 16, 13 – SLWTP Tank 1 Evaluation Report Redacted at 16, 14 – SLWTP Tank 2 Evaluation Report Redacted at 16, 15 – SLWTP Backwash Tank Evaluation Report Redacted at 16, 16 – Courtney Tank #1 Evaluation Report Redacted at 16, 17 – Courtney Tank #2 Evaluation Report Redacted at 16, 18 – FRTP Tank #1 Evaluation Report Redacted at 16, 19 – FRTP Tank #2 Evaluation Report Redacted at 16, 20 – FRTP BWT Evaluation Report Redacted at 13, 21 – Raymond TP #1Tank Evaluation Report Redacted at 16, 22 – Raymond TP #2 Evaluation Report Redacted at 15, 23 – Influent Blending Tank Evaluation Report Redacted at 9, 24 – Raymond TP Sludge Tank Evaluation Report Redacted at 10, and 25 – Raymond TP BTW Evaluation Report Redacted at 10.

[33] Cal Advocates Report, Report on Capital Contingency Factors, Southern Division, Special Request 4, and Extra Ordinary Early Retirements, Chapter 1.

[34] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-3, *I15-670004 – Direct Project Cost* (showing the revised direct project cost calculation).

[35] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-4, *I15-670005 – Direct Project Cost* (showing the revised direct project cost calculation).

[36] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

replacement is not necessary. There is sufficient supply capacity in the system without the wells Cal Am proposes to replace.

The Fruitridge system consists of 12 active groundwater wells with a total well capacity of 6,270 gallons per minute ("gpm").[38] In addition to the active groundwater wells, Cal Am has two interconnections with the City of Sacramento with a combined supply capacity of 2,250 gpm, two emergency interties with the City of Sacramento, and an intertie with Cal Am's Parkway system.[39] Cal Am requests to replace Wells 3, 7, and 9.[40] These three wells have a combined capacity of approximately 1,850 gpm.[41] The total well system capacity would be 5,170 gpm if these three wells were removed.[42]

State regulations for drinking water standards ("California Waterworks Standards," or "Waterworks Standards") state that public water systems shall have the capacity to meet the system's maximum day demand ("MDD").[43] The Waterworks Standards also state that systems with 1,000 or more service connections must be able to meet four hours of peak hour demand ("PHD") with source capacity, storage capacity, and/or emergency source connections.[44]

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[37] Cal Am Engineering Workpaper, Tab 113 at 4.

[38] Cal Am Engineering Workpaper, Redacted Tab 169 at 3-2.

[39] State Water Resources Control Board's Division of Drinking Water ("DDW") 2021 Fruitridge Vista Compliance Inspection Report (March 29, 2021) (2021 DDW Fruitridge Report) at 10-11. The emergency intertie capacity was not included in the calculation shown in Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-5, *Fruitridge Well Capacity Calculation.*

[40] Cal Am Engineering Workpaper, Tab 113 at 4.

[41] Cal Am Engineering Workpaper, Redacted Tab 169, at 3-2. Well 9 is currently inactive (Redacted Tab 169 at 3-5). The total capacity of 6,270 gpm already excludes the capacity from Well 9. Well 9 has a capacity of 750 gpm.

[42] The total well capacity excluding the capacity from Wells 3, 7, 9 and the largest remaining well is 4,270 gpm. (5,170 gpm – 900 gpm = 4,270 gpm).

[43] 22 California Code of Regulations ("CCR") Section 64554 (a) (1).

[44] 22 CCR Section 64554 (a) (2). Cal Am Engineering Workpaper, Redacted Tab 169 at vii. Cal Am states that the Fruitridge system has approximately 4,892 service connections.

Cal Am projects the 2026 MDD and 2026 PHD to be 4.04 MG and 4.1MG, respectively.[45]

The Fruitridge system has sufficient capacity to meet both the MDD and four hours of PHD, even without the wells Cal Am proposes to replace and the highest capacity remaining well.[46] Therefore, the capacity from the replacement wells is not needed and the Commission should reject Cal Am's request.

3. Fruitridge Vista Water Main Replacement (I15-660002)

The Commission should reduce the main replacement budget in the Fruitridge system to $3,595,120 in 2023, $3,706,569 in 2024 and $3,818,507 in 2025[47] based on Cal Am's recommended main replacement rate of two percent.[48]

Cal Am requests to spend approximately $26,901,720 in years 2022-2025 to replace existing mains in the Fruitridge system.[49] Cal Am allocated its entire adopted 2019 rate case budget for the overall Sacramento Main Replacement Program (I15-600097) ("2019 GRC Sacramento Main Replacement") to fund the Fruitridge Vista Water Main Replacement ("FVW Main Replacement") up to the TY 2024 rate case cycle.[50] The amount Cal Am planned to spend on water main replacement in 2022 exceeded the adopted 2021-2022 budget for 2019 GRC Sacramento Main Replacement

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[45] Cal Am Engineering Workpaper, Redacted Tab 169 at 3-8.

[46] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-5, *Fruitridge Well Capacity Calculation.*

[47] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests $7,360,000 in 2023, $6,523,720 in 2024, and $5,658,000 in 2025.

[48] Cal Am Engineering Workpaper, Tab 109 at 1-4.

[49] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[50] Crooks Direct Testimony at 122:4-5. Cal Am first introduced the Fruitridge Vista Water Main Replacement Program in this rate case after the Commission adopted the 2021 and 2022 budget for the 2019 GRC Sacramento Main Replacement.

by approximately 24%.[51] Similarly, the amount Cal Am now forecasts for 2023 to replace mains in Sacramento exceeds Cal Am's original 2023 forecast to replace mains in Sacramento by approximately 148%.[52] Cal Am's request exceeds its recommended main replacement rate of two percent per year (approximately 6,550 linear feet annually)[53]

Cal Am presents the two percent annual replacement rate as the most cost-effective solution to address mains that are identified with the greatest risk of failure.[54] At Cal Am's recommended replacement rate, this equates to approximately $3,211,000 in 2021 dollars.[55] Therefore, the Commission should authorize an annual FVW Main Replacement budget of $3,211,000 escalated to the appropriate years, or $3,595,120, $3,706,569, and $3,818,507 for 2023-2025, respectively.[56]

4. Service Saddle Replacement Program (I15-600116)

The Commission should reduce Cal Am's proposed budget to replace existing service saddles to $394,677 in 2024 and $406,596 in 2025,[57] due to reducing both the number of service saddles replaced annually and unit replacement costs.[58]

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[51] Cal Am plans on spending approximately $7,360,000 in 2022. The adopted 2021-2022 budget for the 2019 GRC Sacramento Main Replacement is approximately $5,933,400. ($7,360,000 - $5,933,400) ÷ $5,933,400 = 24%.

[52] Cal Am requested an annual budget of $2,966,700 in the 2019 rate case (A.19-07-004) for the 2019 GRC Sacramento Main Replacement. Cal Am plans on spending approximately $7,360,000 in 2023 for FVW Main Replacement. ($7,360,000 - $2,966,700) ÷ $2,966,700 = 148%.

[53] Cal Am Engineering Workpaper, Tab 109.

[54] Cal Am Engineering Workpaper, Tab 109 at 1-4.

[55] Cal Am Engineering Workpaper, Tab 109 at 1-4.

[56] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-6, *I15-660002 – Direct Project Cost* (showing the revised direct project cost calculation).

[57] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests $1,472,000 in 2024 and $2,024,000 in 2025.

[58] Service saddles are used to make service line connection from the water main.

Cal Am requests to replace approximately 1,400 (or an average of 233 annually) service saddles in the 2021-2026 period.[59] However, this number is not consistent with Cal Am's historical replacement rate. Cal Am states that approximately 1,447 saddle service leaks occurred in the 2006-2018 period.[60] Cal Am repaired or replaced 758 saddle services during the 2019-2021 period.[61] Even if the saddle services that were replaced in 2019-2021 were included in historical number of saddle services repaired or replaced, the average annual historical number only increases to approximately 147. Cal Am's historical replacement rate is a better representation of the number of service saddles Cal Am normally replaces versus Cal Am's proposed replacement rate. The number of saddle services repaired or replaced should be modified to reflect the revised number of saddle services Cal Am has historically repaired or replaced.

Cal Am estimates an average saddle service replacement unit cost of approximately $6,240.[62] This unit cost is based on opinion of probable construction cost ("OPCC").[63] However, this proposed higher unit cost does not reflect what Cal Am has historically spent on repairs or replacement. Over the past three years (2019-2021), Cal Am spent an average of $2,326 per saddle service (in 2021 dollars).[64] It is more appropriate to base the unit cost on what Cal Am spends on saddle service replacements. Based on the average replacement rate and the historical unit cost that reflects what Cal Am spends (escalated to the appropriate year), the Commission should only allow $394,677 in 2024 and $406,596 in 2025 for the Service Saddle Replacement Program.

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[59] Cal Am Engineering Workpaper, Redacted Tab 100 at 1-34.

[60] Cal Am Engineering Workpaper, Redacted Tab 100 at 1-31.

[61] Cal Am Response to Public Advocates Office Data Request JMI-014 (Service Saddles – Sacramento).

[62] Cal Am Engineering Workpaper, Redacted Tab 100 at 1-34. This unit cost includes all construction soft costs (e.g., permitting).

[63] Cal Am Engineering Workpaper, Redacted Tab 161 at pdf p. 1256. The OPPCs were prepared by Stantec Consulting Services, Inc.

[64] Cal Am Response to Public Advocates Office Data Request JMI-014 (Service Saddles – Sacramento).

5. Well Installation and Replacement Program (I15-600113)

The Commission should reduce Cal Am's budget to replace four wells per year to $7,912,000 in 2024 and $8,912,000 in 2025[65] since replacing two wells in Fruitridge and two wells in Antelope are not necessary.

Cal Am completed a 2021 Well Replacement Plan for the existing wells in the Northern Division.[66] The Well Replacement Plan lists the wells to be replaced during the 2024-2026 period, which includes wells in the Fruitridge, Antelope, Walnut Grove, Geyserville, Meadowbrook, Suburban Rosemont, and Lincoln Oak systems.[67] In this rate case, Cal Am requests a separate well replacement project for the Fruitridge system under the Fruitridge Vista Well Replacement and Installation Program (I15-660006). The well replacement plan is intended for the entire Northern Division, which includes wells in the Fruitridge system. The Fruitridge Vista Well Replacement and Installation Program already accounts for the wells being replaced in the Fruitridge system and therefore the Fruitridge wells do not need to be included in the Sacramento Well Installation and Replacement Program. More importantly, there is sufficient supply capacity in the Fruitridge system without the wells.[68]

The Antelope system has 17 wells with a combined capacity of 14,403 gpm.[69] Cal Am has two interconnections with the Sacramento Suburban Water District with a

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[65] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests $11,868,000 in 2024 and $12,466,000 in 2025.

[66] Crooks Direct Testimony at 223. The Well Replacement Plan was prepared by Brown and Caldwell. *See* Cal Am Response to Public Advocates Office Data Request JMI-005 (Well Studies – Northern and Central), Attachment JMI 05 Q001 Attachment 1 – 2022 Northern Division Well Replacement Plan.

[67] Cal Am Response to Public Advocates Office Data Request JMI-005 (Well Studies – Northern and Central), Attachment JMI 05 Q001 Attachment 1 – 2022 Northern Division Well Replacement Plan at 4-9.

[68] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Section III.A.2.

[69] Engineering Workpaper, Redacted Tab 161 at 4-31.

combined supply capacity of 5,288 gpm, and two emergency interties.[70] Cal Am plans to replace the Colonnade and Eagle Ridge Wells during this rate case cycle.[71] These wells have a combined capacity of approximately 2,158 gpm.[72] Antelope's total well system capacity would be 12,245 gpm if the Colonnade and Eagle Ridge Wells were removed.

Cal Am projects the 2030 MDD and 2030 PHD to be 9.83 MG and 14.74 MG, respectively.[73] The Antelope system has sufficient capacity in both the MDD and PHD planning scenarios, even without the wells Cal Am proposes to replace, and without capacity from the largest remaining well.[74] Therefore, the capacity from the wells is not needed.

Cal Advocates excluded from the project budget the cost of the two wells in Fruitridge and the Colonnade and Eagle Ridge Wells in Antelope. Cal Advocates reduced Cal Am's proposed budget proportionally by one-third since four of the twelve proposed wells in this rate case cycle were removed. Therefore, the Commission should only allow $7,912,000 in 2024 and $8,310,667 in 2025 for the Well Installation and Replacement Program in Sacramento.

6. Malaga Well Replacement and 1,2,3-Trichloropropane (1,2,3-TCP) Treatment (I15-600110)

The Commission should reduce the proposed budget to replace the existing Malaga Well to $2,322,445[75] due to the well project being partially funded by a

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[70] Cal Am Engineering Workpaper, Redacted Tab 161 at 4-37.

[71] Cal Am Response to Public Advocates Office Data Request JMI-005 (Well Studies – Northern and Central), Attachment JMI 05 Q001 Attachment 1 – 2022 Northern Division Well Replacement Plan at 4-9.

[72] Cal Am Engineering Workpaper, Redacted Tab 161 at 4-31.

[73] Cal Am Engineering Workpaper, Redacted Tab 161 at 4-39.

[74] The largest remaining well has a capacity of 1,511 gpm. The total well capacity excluding the capacity from the Colonnade and Eagle Ridge Wells and the largest remaining well is 10,734 gpm. (12,245 gpm - 1,511 gpm = 10,734 gpm) (or 15.46 MGD).

[75] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am

settlement. Cal Am states that it received $3,657,558[76] to replace the existing Malaga Well (including any necessary treatment) as part of the settlement of a lawsuit over 1,2,3-TCP contamination of the existing well.[77] However, Cal Am's RO model does not incorporate the contribution related to the settlement.[78] Cal Am states that the settlement contribution for the Malaga Well was inadvertently excluded from the RO model and the RO Model should be adjusted to include the $3,657,558 contribution for the Malaga Well Replacement and 123-TCP Treatment project.[79] The Commission should include the contribution of $3,657,558 that is designated specifically to replace the well (including any necessary treatment facilities) in the RO model to offset the project costs.[80]

7. Wittkop 2 Water Treatment Plant (I15-600108)

The Commission should reject Cal Am's request of $3,668,040 in 2024-2025 for manganese treatment at Wittkop Well 2[81] since the manganese concentration at Wittkop 2 is under the SMCL.

The SMCL for manganese is 0.05 milligrams per liter ("mg/L").[82] Compliance with the SMCL is based on a four-quarter average.[83] While Cal Am may have mentioned

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requests $460,000 in 2022, $4,968,000 in 2023, and $552,000 in 2024.

[76] Cal Am Response to Public Advocates Office Data Request JMI-017 (Malaga Well – Sacramento).

[77] Crooks Direct Testimony at 219.

[78] Cal Am RO model file "ALL_CH09_RB_WP_CIAC&CAC," tab: "IP Projects Funded by OT."

[79] Cal Am Response to Public Advocates Office Data Request JMI-017 (Malaga Well – Sacramento).

[80] The net direct project cost is approximately $2,322,445 ($5,980,000 - $3,657,558 = $2,322,445).

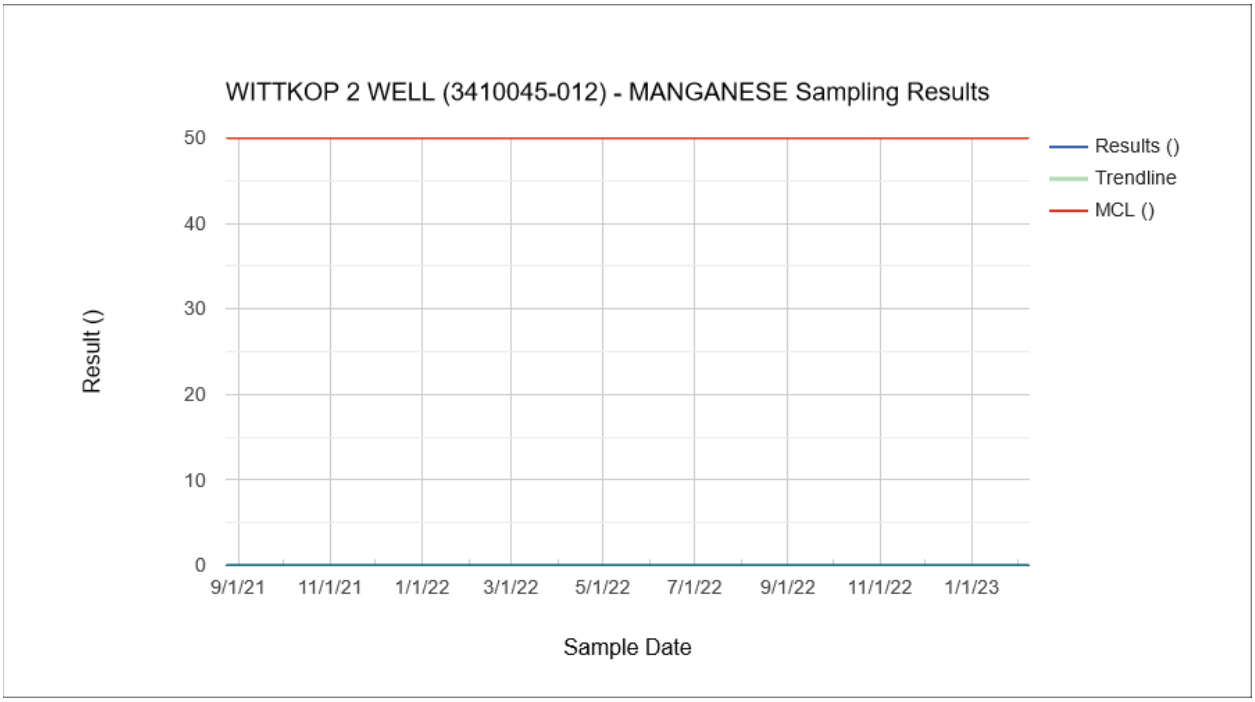
[81] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests $184,000 in 2024 and $3,484,040 in 2025.

[82] The SWRCB DDW Manganese in Drinking Water. Referenced at: https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Manganese.html. Date accessed April 6, 2023.

[83] 22 CCR § 64449.c.1.

water quality issues regarding manganese in the first quarter of 2021,[84] the manganese concentrations have been non-detect since.[85] Table 1-2 shows the manganese concentration since the second quarter of 2021.

Table 1-2: Manganese Concentration – Wittkop Well 2[86]



As shown in Table 1-2 above, the manganese level is non-detect. Since the manganese level has been consistently below the SMCL, the proposed treatment is not necessary. Therefore, the Commission should reject Cal Am's request.

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[84] Crooks Direct Testimony at 217-218.

[85] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-8, *Wittkop 2 Well – Manganese Sampling Results*.

[86] SDWIS Cal Am – Arden (3410045) Manganese Sampling Results from 1/1/2012 to 04/01/2023. Refer to: https://sdwis.waterboards.ca.gov/PDWW Date accessed April 6, 2022.

8. Sacramento Generator Projects (I15-600115 and I15-670001)

The Commission should deny Cal Am's requested annual budget of $1,104,000[87] for the Standby Generator Improvement Program (I15-600115) ("Sacramento Standby Generator Program") and the 2023 budget of $690,000 for the PSPS Generator Improvements (I15-670001) ("Hillview PSPS Generator Program"), consistent with Cal Advocates' recommendation regarding generators.[88]

Cal Am requests to install 13 generators during this rate case cycle for the Sacramento Standby Generator Program.[89] Cal Am requests to install generators in the Meadowbrook, Isleton, Suburban Rosemont, Security, Park, Geyserville, and Hillview systems in the Sacramento District.[90] Cal Am plans on installing generators at sites listed in the Emergency Power Study.[91] Cal Am plans on installing generators at sites listed in its Emergency Power Study in the Hillview systems for the Hillview PSPS Generator Program.[92]

Cal Am should fulfill its obligations under the adopted settlement agreement from the previous GRC and complete a portable generator planning study to identify more affordable alternatives to installing stationary generators at its facilities.[93] The terms of the adopted settlement agreement should be adhered to and not ignored.

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[87] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[88] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

[89] Cal Am Engineering Workpaper, Tab 99 at 1-2.

[90] Cal Am Engineering Workpaper, Tab 99 at 1-2.

[91] Crooks Direct Testimony at 225.

[92] Crooks Direct Testimony at 155-156.

[93] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

However, if the Commission authorizes Cal Am's proposed budget for the Sacramento Standby Generator Program and the 2023 budget for the Hillview PSPS Generator Program, then the cost of seven generators should be removed due to the overlapping project scopes of these two generator programs and the fact that a generator already exists at one of the installation sites Cal Am identifies for the Sacramento Standby Generator Program.

The project scope of the Hillview PSPS Generator Program overlaps with a portion of Cal Am's request for its districtwide Sacramento Standby Generator Program. Six of the 13 proposed standby generators under Sacramento Standby Generator Program are for sites in the Hillview systems.[94] If the Commission authorizes Cal Am's request for the Hillview PSPS Generator Program in 2023, then the Commission should remove the cost of six generators related to the Hillview systems from the Sacramento Standby Generator Program Standby Program because the Hillview PSPS Program already includes these costs.

One of the project candidates for the Sacramento Standby Generator Program is the Isleton Well 3-A.[95] Cal Am's Statewide Emergency Power Study Report states that the Isleton Well 3-A is located at the water treatment plant and the generator operates both the well and the treatment plant.[96] If the Commission adopts the Sacramento Standby Program, then the cost of one generator should be removed because Well 3-A already has backup power.[97]

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[94] Cal Am Engineering Workpaper, Tab 99 at 1-2.

[95] Cal Am Engineering Workpaper, Tab 99 at 1.

[96] Cal Am Response to Public Advocates Office Data Request JMI-011, Attachment JMI-11 Q001 Attachment 01 – Emergency Power Study Redacted at 11.

[97] Cal Am Response to Public Advocates Office Data Request JMI-011 (DR JMI-001 Followup), Attachment JMI-11 Q001 Attachment 01 – Emergency Power Study Redacted at 11.

9. Main Replacement Program (I15-600111)

The Commission should reduce the proposed annual main replacement budget to $2,064,617[98] due to the historical amount Cal Am has spent on the program.

Cal Am's proposed annual budget makes little sense given the amount Cal Am normally spends on main replacement. Cal Am has spent approximately $6,193,850 for the main replacement program for 2018-2020 (under I15-600072) or approximately $2,064,617 per year.[99] The amount Cal Am spent for the main replacement budget during the 2019 rate case cycle (under I15-600097) was not considered since that budget was spent on a recently acquired system. Cal Am states that it has dedicated the entire main replacement budget for Sacramento during the 2019 rate case cycle (under I15-600097) to fund a newly created Fruitridge Vista Water Main Replacement project solely for the Fruitridge system (under I15-660002).[100] The projects completed under the Fruitridge Vista Water Main Replacement project were not considered in determining the annual amount of main replaced in Sacramento because it is already accounted for in a separate project. Therefore, the Commission should only allow $2,064,617 annually for the Main Replacement Program in Sacramento.

10. Hillview Iron & Manganese WTP Projects (I15-670002 and I15-670003)

The Commission should reduce Cal Am's proposed budget for the iron and manganese WTP in the Coarsegold system (I15-670002) to $2,920,000[101] and in the Goldside system (I15-670003) to $1,236,250.[102] These reductions are appropriate

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[98] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests an annual budget of $4,600,000.

[99] Crooks Direct Testimony at 41. $6,193,850 ÷ 3 years ≈ $2,064,617.

[100] Crooks Direct Testimony at 122.

[101] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests a direct project budget of $3,680,000 for both the Coarsegold Iron and Manganese WTP projects.

[102] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

because Cal Advocates removed the costs related to the standby generator, redundant contingency and redundant overhead.

Cal Am states that the construction cost for both the proposed Coarsegold Iron & Manganese WTP (I15-670002) ("Coarsegold WTP") and Goldside Iron-Manganese WTP (I15-670003) ("Goldside WTP") is $3,064,000.[103] Cal Am provided a cost breakdown of the construction costs for the Coarsegold WTP and Goldside WTP projects.[104] However, the construction cost breakdown shows that the construction cost for the Goldside WTP is $1,481,000[105] which is less than the construction cost shown in Cal Am's Engineering Workpaper.[106]

Cal Am requests $115,000 in the Coarsegold WTP and $150,000 in the Goldside WTP to install standby generators at the proposed WTPs.[107] The Commission should remove the cost of the standby generators from the construction costs of the proposed

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[103] Cal Am Engineering Workpaper, Tab 115 at 2. Engineering Workpaper, Tab 116 at 3.

[104] Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 1. Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 2.

[105] Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 2. The cost estimate in the attachment for the Goldside WTP shows a total construction cost of $1,777,000 which includes $296,000 for engineering, construction management and environmental costs. Cal Am already includes the engineering, construction management and environmental costs in the implementation costs which are calculated as 31% of the construction costs. The implementation costs for the Goldside WTP include funding for permitting, engineering, construction management, startup and special inspection, and overhead. This means that Cal Am already accounts for these costs in the direct project cost. Therefore, the $296,000 shown in the cost estimate breakdown shown in attachment related to engineering, construction management and environmental costs were not considered.

[106] Cal Am Engineering Workpaper, Tab 116 at 3.

[107] Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 1. Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 2.

Coasegold and Goldside WTP projects consistent with Cal Advocates' recommendation regarding generators.[108]

The construction cost estimates for both the proposed Coarsegold and Goldside WTP projects includes a project contingency of approximately 25% and 30%, respectively.[109] Cal Am's RO model already applies a project contingency of five percent to the direct project cost of both projects.[110] This means that Cal Am accounts for project contingency twice in the total project costs. Therefore, the Commission should remove the redundant contingency from the construction cost estimates. The Commission should not allow any funding related to project contingency based on Cal Advocates' recommendation regarding project contingency.[111]

The construction cost estimates for both the proposed Coarsegold and Goldside WTP projects includes a project overhead of approximately six percent.[112] Cal Am's RO model already applies a project overhead of $205,129 and $164,318 to the direct project costs of the proposed Coarsegold and Goldside WTP projects, respectively.[113] This means that Cal Am accounts for project overhead twice in the total project costs.

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[108] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

[109] Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 1. Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 2.

[110] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Contingency By Project WS-6."

[111] Cal Advocates Report, Report on Capital Contingency Factors, Southern Division, Special Request 4, and Extra Ordinary Early Retirements, Chapter 1.

[112] Cal Am Engineering Workpaper, Tab 115 at 2. Cal Am Engineering Workpaper, Tab 116 at 3.

[113] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Engineering OH By Project WS-7." Cal Am's estimated project overhead of $205,129 and $164,318 for the Coarsegold and Goldside WTP projects, respectively that is shown in Cal Am's RO model assumes the Commission adopts Cal Am's plant request as proposed. Cal Am in their RO model calculates the individual project overhead based on a fixed total project overhead companywide which is distributed to the individual plant projects. The project overhead associated with the adopted total project costs for the Coarsegold and Goldside WTP projects will be dependent on all the direct project budgets adopted by the Commission.

Therefore, the Commission should remove the redundant project overhead from the construction cost estimates.

After incorporating these adjustments, the Commission should only allow a budget of $2,920,000 for the Coarsegold WTP and $1,236,250 for the Goldside WTP.[114]

B. Common Plant

1. Project Contingency

Based on Cal Advocates' recommendations regarding project contingency costs, the Commission should not allow any funding related to project contingency.[115] Attachment 1-10 shows the amount of proposed funding due to project contingency for 2024-2025.[116]

2. Projects Previously Included Rates that Have Not Provided a Benefit to Ratepayers

As discussed in Chapter 6 of this report, projects previously funded in rates and are now rescheduled to be completed in 2024 or later (when they were originally supposed to be completed prior to 2024) should not be included in rates at this time.[117] Specifically, the Suburban Rosemont Hydraulic Improvements project (I15-600103) in the Sacramento District.[118] If Cal Am is able to complete the Suburban Rosemont

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[114] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-9, *I15-670002 and I15-670003 – Direct Project Cost* (showing the revised direct project cost calculation).

[115] Cal Advocates Report, Report on Capital Contingency Factors, Southern Division, Special Request 4, and Extra Ordinary Early Retirements, Chapter 1.

[116] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-10, *2024-2025 Funding Related to Project Contingency –Sacramento District*.

[117] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting, Chapter 6.

[118] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am alleges that the Suburban Rosemont Hydraulic Improvements project will be completed in 2024. The direct cost for the Suburban Rosemont Hydraulic Improvements project is $138,000 in 2022, $138,000 in 2023, and $2,637,640 in 2024.

Hydraulic Improvements project by the revised completion date, Cal Am may seek recovery of the project cost when it files its next rate case application in 2025. The Commission should not allow any funding for the Suburban Rosemont Hydraulic Improvements project in rates at this time.

C. Revenue Requirement Impact Due to Cal Advocates' Recommendations

Cal Advocates' recommended adjustments mentioned above would reduce the revenue requirement by approximately $3,230,112 in 2024 and $3,294,097 in 2025 for the Sacramento District.[119]

IV. CONCLUSION

The Commission should reduce the annual direct project cost for the Hillview Tank Rehabilitation Program (I15-670004) to $185,067 (from $471,960) annually due to removing the contingency line items from the cost estimate, separating the tank painting costs from the Hillview Tank Rehabilitation Program, and allowing $24,797 annually for tank painting associated with these tanks. The Commission should reduce the annual direct project cost for the Hillview Tank Replacement Program (I15-670005) to $327,319 (from $1,096,640) since only one tank warrants replacement and only allow funding for tank maintenance for the remaining nine tanks.[120] The Commission should reject Cal Am's request for the Fruitridge Well Replacement and Installation Program (I15-660006) since there is sufficient supply capacity in the Fruitridge system.[121] The Commission should reduce the Fruitridge Vista Main Replacement budget to $3,595,120 in 2023,

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[119] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 1, Attachment 1-11, *Sacramento District – Revenue Requirement Calculation* (showing the revenue requirement calculation)

[120] In addition, the Commission should also allow $294,807 annually for tank painting projects associated with these nine tanks.

[121] Cal Am requests $1,288,000 in 2024 and $2,760,000 in 2025.

$3,706,569 in 2024 and $3,818,507 in 2025 based on the recommended main replacement rate in Cal Am's Engineering Workpaper. [122] The Commission should reduce the proposed Service Saddle Replacement Program (I15-600116) budget to $394,677 in 2024 and $406,596 in 2025 due to reducing both the number of saddle services replaced annually and unit replacement costs.[123] The Commission should reduce the Well Installation and Replacement (I15-600113) budget to $7,912,000 in 2024 and $8,912,000 in 2025 to replace four wells annually since replacing two wells in Fruitridge and two wells in Antelope are not necessary.[124] The Commission should reduce the Malaga Well Replacement and 1,2,3-TCP Treatment (I15-600110) budget to $2,322,445 due to the well being funded by a settlement suit.[125] The Commission should reject the Wittkop 2 Water Treatment Plant (I15-600108) project since the manganese concentration at the well is under the SMCL.[126] The Commission should deny the annual budget of $1,104,000 for the Standby Generator Improvement Program (I15-600115) and the 2023 budget of $690,000 for the Public Safety Power Shutoffs Generator Improvements (I15-670001) consistent with Cal Advocates' recommendation regarding generators.[127] The Commission should reduce the annual main replacement program (I15-600111) budget to $2,064,617 based on what Cal Am has historically spent on the main replacement program.[128] The Commission should remove the cost of unnecessary standby generators, redundant contingencies, and redundant overhead by reducing the

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[122] Cal Am Engineering Workpaper, Tab 109. Cal Am requests $7,360,000 in 2023, $6,523,720 in 2024, and $5,658,000 in 2025.

[123] Cal Am requests $1,472,000 in 2024 and $2,024,000 in 2025.

[124] Cal Am requests $11,868,000 in 2024 and $12,466,000 in 2025.

[125] Cal Am requests a total direct project cost of $5,980,000.

[126] Cal Am requests $184,000 in 2024 and $3,484,040 in 2025.

[127] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

[128] Cal Am requests an annual budget of $4,600,000.

proposed budget for the Coarsegold Iron and Manganese WTP (I15-670002) to $2,920,000 and the Goldside Iron and Manganese WTP (I15-670003) to $1,236,250.[129]

The Commission should adopt Cal Advocates recommended budget including common plant issues such as project contingency and projects approved in previous rate cases but not expected to be completed in 2024 (or later).

[129] Cal Am requests a direct project budget of $3,680,000 for both the Coarsegold Iron and Manganese WTP projects.

CHAPTER 2 PLANT – LARKFIELD

I. INTRODUCTION

Cal Am's Larkfield District is supplied through a combination of groundwater from four wells and purchased water from the Sonoma County Water Agency.[130] Cal Advocates reviewed Cal Am's testimony, application, work-papers, minimum data requirements, CPS, Condition Based Assessment of Buried Infrastructure, cost estimates, and responses to Cal Advocates' data requests. Cal Advocates conducted a field investigation of the Larkfield District's water system on November 17, 2022. This chapter presents the recommendations the Commission should adopt for the proposed Plant in Service for Cal Am's Larkfield District.

II. SUMMARY OF RECOMMENDATIONS

The Commission should adjust Cal Am's request for individual proposed projects in the Larkfield District, as follows:

- The Commission should reduce the proposed annual budget for the Well Rehabilitation and Maintenance Program (I15-610028) to $66,664 (from $138,000) based on the work that has already been completed in the 2021-2022 period.
- The Commission should reduce the proposed annual budget for the Larkfield Tank Rehabilitation and Seismic Upgrades (I15-610027) to $128,467 (from $253,000) due to removing the portions of the project that were already planned or completed and revising the capital tank improvement costs.
- The Commission should deny Cal Am's request of $230,000 in 2024 for the Standby Generator Improvement Program (I15-610029) consistent with Cal Advocates' recommendation regarding generators.[131]

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[130] Hofer Direct Testimony at 7.

[131] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

- The Commission should deny Cal Am's request of $690,000 in 2024 for the WTP Treatment Upgrades project (I15-610030) since the proposed modifications are not necessary.

Recommendations on plant additions also reflect Cal Advocates' recommendations on project contingency and previously funded projects that are expected to be completed in 2024 or later. The Commission should not allow Cal Am to include in rates incomplete projects that have been previously included in rates but Cal Am now rescheduled to be completed in 2024 or later. These projects should not be included in rates until the projects are completed, in service, and providing benefits to ratepayers. Cal Am may seek recovery of the project costs when it files its next general rate case application (in 2025).

Attachment 2-1 presents Cal Advocates' project-specific adjustments.[132] These adjustments reduce the revenue requirement by approximately $298,244 in 2024 and $151,514 in 2025.[133] The Commission should adopt the capital budget summary presented in Table 2-1 below.

[132] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-1, *Capital Budget Details – Larkfield District*.

[133] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-5, *Larkfield District – Revenue Requirement Calculation* (showing the revenue requirement calculation).

Table 2-1: Capital Budget Summary – Larkfield District[134]

Larkfield ($000)	2024	2025	Annual Average
Public Advocates Office Recommendation	$ 1,747.19	$ 1,762.02	$ 1,754.61
Cal Am's Proposed	$ 3,553.06	$ 2,647.89	$ 3,100.48
Cal Am> Public Advocates Office	$ 1,805.87	$ 885.87	$ 1,345.87
Public Advocates Office as % of Cal Am	49%	67%	57%

III. ANALYSIS

Unless otherwise stated, the project costs listed and discussed below are direct project costs. The direct project costs are the cost of the project without add-on costs (e.g. overhead).

A. Proposed Projects

1. Well Rehabilitation and Maintenance Program (I15-610028)

The Commission should reduce the annual budget to $66,664 (from $138,000)[135] based on the work that has already been completed in the 2021-2022 period for the Well Rehabilitation and Maintenance Program (I15-610028) ("Larkfield Well Rehab Program"). Cal Am's Larkfield District includes four wells.[136] The proposed project scope for the Larkfield Well Rehab Program over two rate case cycles (2021-2026) for the Larkfield District consists of: 1) testing and rehabilitating the four wells

[134] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[135] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[136] Cal Am Engineering Workpaper, Redacted Tab 162 at pdf. p. 116.

and 2) replacing the hydropneumatic tanks[137] Cal Am states that it has completed rehabbing two wells in 2021-2022 (under the Larkfield Well Rehab Program in the 2019 rate case (I15-610016 from A.19-07-004)).[138] Cal Am's Engineering Workpaper Tab 7 (I15-610028) in this rate case shows that the project scope and cost estimate for the 2021-2026 period has not changed for the Larkfield Well Rehab Program.[139] Therefore, Cal Advocates revised the proposed 2021-2026 project cost estimate to $337,991 by removing the cost of the two wells that were already rehabilitated.[140] Cal Am plans on spending approximately $138,000 in 2023 for the Larkfield Well Rehab Program.[141] Therefore, Cal Advocates calculated the budget for this rate case cycle by subtracting the 2023 budget from the cost of the remaining project scope, approximately $199,991 or $66,664 annually.[142] Therefore, the Commission should only allow $66,664 annually for the Larkfield Well Rehab Program.[143]

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[137] Cal Am Engineering Workpaper, Tab 007 at 3.

[138] Crooks Direct Testimony at 133.

[139] Cal Am Engineering Workpaper, Tab 007 at 3. Cal Am Engineering Workpaper, Tab 007 discusses the Well Rehabilitation and Maintenance Program in this rate case (I15-610028) and the 2019 rate case (I15-610016).

[140] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-2, *I15-610028 – Direct Project Cost* (showing the revised direct project cost calculation).

[141] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[142] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-2, *I15-610028 – Direct Project Cost* (showing the revised direct project cost calculation).

[143] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-2, *I15-610028 – Direct Project Cost* (showing the revised direct project cost calculation).

2. Larkfield Tank Rehabilitation and Seismic Upgrades (I15-610027)

The Commission should reduce the proposed annual budget for tank improvements to $128,467 (from $253,000)[144] due to removing the portions of the project that were already planned or completed and revising the capital tank improvement costs for the Larkfield Tank Rehabilitation and Seismic Upgrades (I15-610027) ("Larkfield Tank Rehab Program").

Cal Am's Engineering Workpaper Tab 6 (I15-610027) lists the components that comprise the proposed budget for the 2021-2026 period.[145] In the last rate case (under project code I15-610018 from A.19-07-004), Cal Am completed the five-year anniversary tank maintenance inspections and the tank seismic assessments for the five tanks.[146] Since these portions of the project are already complete, they do not need to be factored into calculating the budget for this rate case cycle.

The cost estimate shown in Cal Am's Engineering Workpaper Tab 6 (I15-610027) shows the proposed tank improvement costs for Lower Wikiup Tank 1 and North Wikiup Tank 2.[147] Tank Industry Consultants ("TIC") conducted a revised cost estimate for tank rehabilitation.[148] The tank improvement costs were replaced to reflect the revised cost estimate.

After incorporating these adjustments, the total 2023-2026 budget for items to address under the Larkfield Tank Rehab Program is

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[144] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[145] Cal Am Engineering Workpaper, Tab 6 at 1-15. Cal Am Engineering Workpaper, Tab 006 discusses theLarkfield Tank Rehabilitation and Seismic Upgrades in this rate case (I15-610027) and the 2019 rate case (I15-610018).

[146] Crooks Direct Testimony at 135.

[147] Cal Am Engineering Workpaper, Tab 6 at 1-15.

[148] Cal Am Response to Public Advocates Office Data Request JMI-007 (Larkfield Tanks), Attachment JMI-007 Q001 Attachment 6 – CA AW Larkfield District Revised Cost Estimates.

approximately $615,400.[149] Cal Advocates calculated the 2024-2026 total budget by subtracting what Cal Am plans on spending in 2023 from the 2023-2026 total budget.[150] This equates to approximately $385,400 or $128,467 annually.[151] The Commission should only allow an annual budget of $128,467 for I15-610027.[152] In addition, any necessary tank painting projects should not be handled through the Larkfield Tank Rehab Program. These projects should be treated as deferred program maintenance costs, consistent with how Cal Am handles tank painting costs.[153]

3. Standby Generator Improvement Program (I15-610029)

Consistent with Cal Advocates' recommendation regarding generators, the Commission should deny Cal Am's request of $230,000 in 2024[154] to install generators.[155]

Cal Am plans on installing generators at sites listed in the Emergency Power Study.[156] Cal Am should fulfill its obligations from the

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[149] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-3, *I15-610027 – Direct Project Cost* (showing the revised direct project cost calculation).

[150] Cal Am plans on spending approximately $230,000 in 2023 for the Tank Rehabilitation and Seismic Upgrades Program.

[151] $\$385{,}400 \div 3 \text{ years} \approx \$128{,}467.$

[152] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-3, *I15-610027 – Direct Project Cost* (showing the revised direct project cost calculation).

[153] Crooks Direct Testimony at 259:15-17. Cal Am amortizes tank painting costs over a ten-year period. Cal Am treats tank painting costs as deferred program maintenance costs in their RO model (Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC"). Cal Am states that it plans on repainting the interior and exterior of Lower Wikiup Tank #1 in 2022.

[154] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[155] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

previous GRC and complete a portable generator planning study to identify more affordable alternatives to installing stationary generators at its facilities.[157] The terms of the adopted settlement agreement should be adhered to and not ignored.

4. LRK-WTP Treatment Upgrades (I15-610030)

The Commission should reject Cal Am's request of $690,000 in 2024[158] to modify the existing treatment system at the Larkfield WTP since the proposed modifications are not necessary. Cal Am states that the inlet and discharge piping for the three vessels is arranged in a manner that requires the entire treatment system be taken offline to backwash the vessels.[159] Cal Am requests funding to modify the existing treatment plant configuration to allow one treatment vessel to undergo maintenance with the remaining two treatment vessels in operation without having to take the entire treatment system off-line.[160] DDW states that the filters are currently operated on an alternating basis, with one offline at a time for backwashing and rest.[161] The current treatment plant configuration can already operate in a manner to allow one treatment vessel to be taken offline while the other two treatment vessels are in operation. Therefore, the proposed project in not necessary and the Commission should reject Cal Am's request.

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[156] Crooks Direct Testimony at 240.

[157] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

[158] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[159] Crooks Direct Testimony at 241.

[160] Crooks Direct Testimony at 241.

[161] DDW California-American Larkfield- 2017 Inspection Report at 10.

B. Common Plant

1. Project Contingency

Based on Cal Advocates' recommendations regarding project contingency costs, the Commission should not allow any funding related to project contingency.[162] Attachment 2-4 shows the amount of proposed funding due to project contingency for 2024-2025.[163]

2. Projects Previously Included in Rates that Have Not Provided a Benefit to Ratepayers

As discussed in Chapter 6 of this report, projects previously funded in rates and are now rescheduled to be completed in 2024 or later (when they were originally supposed to be completed prior to 2024) should not be included in rates at this time.[164] Specifically, the Storage Tank at Water Treatment Plant project (I15-610021) in the Larkfield District.[165] If Cal Am is able to complete the Storage Tank at Water Treatment Plant project by the revised completion date, Cal Am may seek recovery of the project cost when it files its next general rate case application in 2025. The Commission should not allow funding for the Storage Tank at Water Treatment Plant project in rates at this time.

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[162] Cal Advocates Report, Report on Capital Contingency Factors, Southern Division, Special Request 4, and Extra Ordinary Early Retirements, Chapter 1.

[163] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-4, *2024-2025 Funding Related to Project Contingency –Larkfield District*.

[164] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 6.

[165] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am alleges that the Storage Tank at Water Treatment Plant project will be completed in 2025. The direct cost for the Storage Tank at Water Treatment Plant project is $184,000 in 2022, $460,000 in 2023, $690,000 in 2024, and $690,000 in 2025.

C. Revenue Requirement Impact Due to Cal Advocates' Recommendations

Cal Advocates' recommended adjustments mentioned above would reduce the revenue requirement by approximately $298,244 in 2024 and $151,514 in 2025 for the Larkfield District.[166]

IV. CONCLUSION

The Commission should reduce the annual budget for the Well Rehabilitation and Maintenance Program (I15-610028) to $66,664 (from $138,000) based on the work that has already been completed the 2021-2022 period. The Commission should reduce the proposed annual budget for the Larkfield Tank Rehabilitation and Seismic Upgrades (I15-610027) to $128,467 (from $253,000) due to removing the portions of the project that were already planned or completed and revising the capital tank improvement costs. The Commission should deny Cal Am's request of $ 230,000 in 2024 for the Standby Generator Improvement Program (I15-610029) consistent with Cal Advocates' recommendation regarding generators.[167] The Commission should deny Cal Am's request of $690,000 in 2024 for the WTP Treatment Upgrades project (I15-610030) since the proposed modifications are not necessary.

The Commission should adopt Cal Advocates recommended budget including common plant issues such as project contingency and projects approved in previous rate cases but not expected to be completed in 2024 (or later).

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[166] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 2, Attachment 2-5, *Larkfield District – Revenue Requirement Calculation* (showing the revenue requirement calculation).

[167] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

CHAPTER 3 PLANT – MONTEREY

I. INTRODUCTION

Cal Am's Monterey District is comprised of the following systems: Monterey Main, Ryan Ranch, Hidden Hills, Bishop, Toro, Ambler Park, Ralph Lane, Chualar, and Garrapata.[168] The Monterey District is supplied through a combination of surface water from the Carmel River, shallow wells in Carmel Valley, wells in the Seaside Basin, and wells along the Highway 68 corridor.[169] Cal Advocates reviewed Cal Am's testimony, application, work-papers, minimum data requirements, CPS, Condition Based Assessment of Buried Infrastructure, cost estimates, and responses to Cal Advocates' data requests. Cal Advocates conducted a field investigation of the Monterey District's water system on November 29-30, 2022. This chapter presents the recommendations the Commission should adopt for the proposed Plant in Service for Cal Am's Monterey District.

II. SUMMARY OF RECOMMENDATIONS

The Commission should adjust Cal Am's request for individual proposed projects in the Monterey District as follows:

- The Commission should reduce the annual budget for the Tank Rehabilitation Program (I15-400161) to $199,833 annually (from $1,380,000) by: 1) removing the redundant tank painting costs; 2) separating the tank inspection costs; and 3) removing the contingency costs.
- The Commission should reject funding for the Carmel Woods #1 and #2 Replacement project (I15-400130) since there is sufficient storage in the Carmel Woods-Rio Vista pressure zone without these tanks.

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[168] A.22-07-001, *Direct Testimony of Christopher Cook* (Cook Direct Testimony) at 4.

[169] Cook Direct Testimony at 4.

- The Commission should reduce the Tank Installation and Replacement Program (I15-400165) to $858,667 (from $1,288,000) since one of the tanks does not need to be replaced at this time.
- The Commission should deny funding for the Eardley-Forest Lake Above Ground Transmission Main Replacement (I15-400153) and the Carmel Valley Transmission Main Improvements (I15-400155) projects due to the complexity and uncertainty of the scope of these projects. If Cal Am decides to pursue the design and permitting of these projects, it may seek recovery of the costs in a subsequent rate case after completing the preliminary phase of the projects and clarifying the projects' scope as well as cost.
- The Commission should reduce the Supervisory Control and Data Acquisition ("SCADA") Program (I15-400160) to $7,048 (from $552,000) in 2024 and deny any funding in 2025 due to the planned new and replacement improvements scheduled for 2024-2025.
- The Commission should deny Cal Am's annual budget of $345,000 for the Standby Generator Improvement Program (I15-400163) consistent with Cal Advocates' recommendations regarding generators.[170]

Recommendations on plant additions also reflect Cal Advocates' recommendations on project contingency and previously funded projects that are expected to be completed in 2024 or later. The Commission should not allow Cal Am to include in rates incomplete projects that have been previously included in rates but are now rescheduled to be completed in 2024 or later. These projects should not be included in rates until the projects are completed, in service, and providing benefits to ratepayers. If Cal Am is able to complete these projects by the revised completion date, Cal Am may

[170] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

seek recovery of the project costs when it files its next general rate case application (in 2025).

Attachment 3-1 presents Cal Advocates' project-specific adjustments.[171] These adjustments reduce the revenue requirement by approximately $1,376,641 in 2024 and $1,397,898 in 2025.[172] The Commission should adopt the capital budget summary presented in Table 3-1 below.

Table 3-1: Capital Budget Summary – Monterey District[173]

Monterey ($000)	2024	2025	Annual Average
Public Advocates Office Recommendation	$ 14,373.72	$ 15,060.19	$ 14,716.96
Cal Am's Proposed	$ 22,025.17	$ 23,132.69	$ 22,578.93
Cal Am> Public Advocates Office	$ 7,651.45	$ 8,072.50	$ 7,861.98
Public Advocates Office as % of Cal Am	65%	65%	65%

III. ANALYSIS

Except where otherwise stated, the project costs discussed in this section are direct project costs (i.e., costs of the project without add-on costs such as overhead).

[171] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 3, Attachment 3-1, *Capital Budget Details – Monterey District*.

[172] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 3, Attachment 3-6, *Monterey District – Revenue Requirement Calculation* (showing the revenue requirement calculation).

[173] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

A. Proposed Projects

1. Tank Rehabilitation Program (I15-400161)

The Commission should reduce Cal Am's proposed annual budget for capitalized tank improvements to $199,833(from $1,380,000)[174] by 1) removing the redundant tank painting costs; 2) separating the tank inspection costs; and 3) removing the contingency costs.

Cal Am calculates the proposed annual budget by dividing the proposed tank improvements over a three-year period (2024-2026).[175] The tank inspections were conducted by TIC for these tanks in 2021.[176] These tank inspection reports provide a list of recommended improvements (both capitalized and tank painting improvements) for a five-year period[177] Cal Am already requests funding for tank painting for the following tanks as separate projects: Aguajito 2, Country Club Heights, Forest Lake 1, Upper Middle Canyon, and Rio Vista Tanks 1-3.[178] Since Cal Am already included these tank painting costs as separate projects, Cal Advocates removed the tank painting costs from the Monterey Tank Rehabilitation Program.[179] The tank inspection costs should be separated from the Monterey Tank Rehabilitation Program capital budget and treated as

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[174] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[175] Cal Am Engineering Workpaper, Tab 073 at 4 (showing the proposed tank improvement budget on an individual tank basis).

[176] Cal Am Response to Public Advocates Office Data Request JMI-006 (Tank Maintenance).

[177] Cal Am Response to Public Advocates Office Data Request JMI-006 (Tank Maintenance).

[178] Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC." While page 260 of Crooks Direct Testimony doesn't list Ord Grove tank painting project, Cal Am factors the cost of painting Ord Grove tank in line 127 of the RO model file: "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC."

[179] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 5,

deferred program maintenance costs, consistent with how Cal Am handles tank inspection costs.[180]

The contingency costs were removed from the project costs, including the line items the tank inspection report referenced as contingency items, consistent with Cal Advocates' recommendations regarding project contingency costs.[181]

Based on the above adjustments to Cal Am's proposed budget for the Monterey Tank Rehabilitation Program, the Commission should reduce the annual budget to $199,833.[182]

2. Carmel Woods #1 and #2 Tank Replacement (I15-400130)

The Commission should deny the proposed budget of $1,472,000 in 2023-2025[183] because the total storage volume for the existing two tanks (Carmel Woods Tanks 1 and 2) is not necessary at this time to meet the storage demands for the Carmel Woods-Rio Vista pressure zone.[184]

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[180] Crooks Direct Testimony at 259:15-17. Cal Am amortizes tank inspection costs over a five-year period. Cal Am treats tank inspection costs as deferred program maintenance costs in their RO model (Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC").

[181] Cal Advocates Report, Report on Capital Contingency Factors, Southern Division, Special Request 4, and Extra Ordinary Early Retirements, Chapter 1. Cal Am Response to Public Advocates Office Data Request JMI-006 (Tank Programs - Central), JMI-006 Q001 Attachment 1 Redacted at 19, Attachment 4 Redacted at 20, Attachment 7 Redacted at 19. In addition to the contingency items, the following line items were also removed: "roof support structure repair contingency" from Forest Lake 1, Ord Grove, and Rio Vista 2 and "contingency for repair of metal loss on bottom plate projection" from Rio Vista 2.

[182] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 3, Attachment 3-2, *I15-400161 – Direct Project Cost* (showing the revised direct project cost calculation).

[183] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests approximately $184,000 in 2023, $184,000 in 2024, and $1,104,000 in 2025.

[184] Cal Am Engineering Workpaper, Redacted Tab 164, 2019 Monterey Comprehensive Planning Study at 5-25.

The Carmel Woods Tanks 1 and 2 serve the Carmel Woods-Rio Vista pressure zone.[185] According to the 2019 Monterey CPS, the total storage requirement is 315,000 gallons.[186] In addition, the 2019 Monterey CPS states that the Carmel Woods-Rio Vista pressure zone has six storage tanks with a total storage volume of 623,000 gallons.[187] Carmel Woods Tanks 1 and 2 have a total storage volume of 100,000 gallons.[188] Without the total storage volume of Carmel Woods Tanks 1 and 2 (523,000 gallons without Carmel Woods 1 and 2), the revised storage volume would still be able to meet the storage demand. Therefore, the storage volume from Carmel Woods Tanks 1 and 2 are not needed at this time and the Commission should deny Cal Am's request.

3. Tank Installation and Replacement Program (I15-400165)

The Commission should reduce Cal Am's proposed annual budget to replace three tanks to $858,667 (from $1,288,000)[189] since one of the tanks does not need to be replaced at this time. Cal Am requests to replace the Boyd Tank, Carola Tank #1, and Upper Paseo Privado Tank during this rate case due to the existing conditions of the tanks.[190]

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[185] Cal Am Engineering Workpaper, Redacted Tab 164, 2019 Monterey Comprehensive Planning Study at 5-25.

[186] Cal Am Engineering Workpaper, Redacted Tab 164, 2019 Monterey Comprehensive Planning Study, at 5-32. The storage requirement is based on the required equalization volume (which is based on 20% MDD) and fire demand (1,500 gpm for two hours).

[187] Cal Am Engineering Workpaper, Redacted Tab 164, 2019 Monterey Comprehensive Planning Study at 5-25.

[188] Cal Am Engineering Workpaper, Redacted Tab 164, 2019 Monterey Comprehensive Planning Study at 5-25.

[189] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests an annual budget of $1,288,000.

[190] Crooks Direct Testimony at 214.

In the 2016 rate case (A.16-07-002), the Commission approved funding to replace the existing Carola Tank #1 (under the Replace Carola #1 Tank project (I15-400113)).[191] Cal Am determined that it was more cost effective to retrofit the existing Carola Tank #1 rather than replacing the tank.[192] Cal Am completed retrofitting the tank in 2019.[193] Since 2019, TIC conducted an inspection of Carola Tank #1 in 2021.[194] While the tank inspection report noted a need for minor improvements,[195] it did not state that the tank needs to be replaced at this time.[196] The report states that the tank should be inspected again in 2025 to determine if any repairs or improvements are necessary.[197]

Cal Am estimates a replacement cost of $1.4 million per tank over a three-year period (2024-2026).[198] Removing the cost of one tank and dividing the remaining cost of two tanks by a three-year period results in an annual budget of $858,667 for the tank replacements.[199] Therefore, the

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[191] A direct cost of $661,206 in 2018 was approved for the Replace Carola #1 Tank project.

[192] Crooks Direct Testimony (from A.19-07-004) at 128.

[193] Crooks Direct Testimony at 33.

[194] Cal Am Response to Public Advocates Office Data Request JMI-006 (Tank Programs – Central), Attachment JMI 06 Q002 Attachment 4.

[195] The inspection report noted removing the pine needles from the roof and cleaning and painting the interior shell bolt heads, column and flanged column connections.

[196] Cal Am Response to Public Advocates Office Data Request JMI-006 (Tank Programs – Central), Attachment JMI 06 Q002 Attachment 4 at 2.

[197] Cal Am Response to Public Advocates Office Data Request JMI-006 (Tank Programs – Central), Attachment JMI 06 Q002 Attachment 4 at 2.

[198] Cal Am Engineering Workpaper, Tab 077 at 2-3.

[199] $(\$1.4\ million\ per\ tank \times 2\ tanks) \div 3\ years \approx \$858{,}667.$

Commission should only allow $858,667 annually for the Tank Installation and Replacement Program.[200]

4. Multi Rate Case Cycle Main Replacement Projects

Cal Am requests two main replacement projects in the Monterey District (the Eardley-Forest Lake Above Ground Transmission Main Replacement (I15-400153) and the Carmel Valley Transmission Main Improvements project (I15-400155)) that they acknowledge won't be completed during this rate case cycle.[201] Cal Am requests funding for the preliminary phase of these projects which include design, right of way acquisition, and permitting.[202]

Cal Am acknowledges the project complexity of the projects due to the extensive initial stage of the projects. The duration project design and permitting process for these projects spans across the entire current rate case cycle.[203] The long design and permitting timeline suggest that the project scope is underdeveloped, likely resulting in additional project costs not already incorporated in the original project scope.

Cal Am in this rate case acknowledges that it has cancelled multiple projects that were previously approved and funded into rates under the assumption that the project would be completed and provide a benefit to

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[200] If Cal Am decides to replace Carola Tank#1 under the Monterey Tank Installation and Replacement Program (or another under project), then the Commission should remove the remaining cost Cal Am spent to rehabilitation the tank under the Replace Carola #1 Tank project since the existing Carola Tank#1 will no longer be in service.

[201] Cal Am expects Eardley-Forest Lake Above Ground Transmission Main Replacement project to be completed in 2027 and Carmel Valley Transmission Main Improvements project to be completed in 2029.

[202] Cal Am requests $184,000 and $460,000 in 2024-2025 for Eardley-Forest Lake Above Ground Transmission Main Replacement project and Carmel Valley Transmission Main Improvements project, respectively.

[203] Crooks Direct Testimony at 200.

ratepayers. Table 3-2 shows some of the projects previously approved and funded into rates but Cal Am now acknowledges are cancelled.

Table 3-2: Projects Previously Funded in Rates that Have Provided No Ratepayer Benefit[204]

PID	Project Description	District	Estimated Project Completion Year				
			A.10-07-007	A.13-07-002	A.16-07-002	A.19-07-004	A.22-07-001
I15-500030	LA-Oswego Well Replacement and Treatment	Los Angeles	2013	2014	2018	2021	CANCELLED
I15-500032	Winston Well Redrill and Treatment	Los Angeles	2014	2014	2019	2022	CANCELLED
15-510028	Replace 1,400 Feet of 10-inch Main to Las Posas Tanks	Ventura	n/a	2016	2016	2020	CANCELLED
I15-600066	Suburban-Rosemont Route 50 Crossing	Sacramento	n/a	2016	2017	2020	CANCELLED

Cal Am states that the challenges related to the preliminary phase of the Carmel Valley Transmission Main Improvements project are expected to be substantial due to the extensive efforts to coordinate service connections, acquire easements and rights-of-way, obtain environmental permits, and design the new mains, service lines, and connections.[205] Cal Am cancelled one of the previously approved projects (Replace 1,400 Feet of 10-inch Main to Las Posas Tanks (I15-510028)) due to Cal Am unable to obtain easements.[206]

Due to the complexities of these projects, it would be beneficial for ratepayers to be aware of what they will be potentially funding. Cal Am provides a preliminary cost for Eardley-Forest Lake Above Ground

[204] Crooks Direct Testimony at 60-62, 83-84, 120-121.

[205] Crooks Direct Testimony at 205.

[206] Crooks Direct Testimony at 83-84.

Transmission Main Replacement at $14,215,500[207] Cal Am is not confident in its preliminary cost estimate, which is reflected in the high contingency assigned to the project related to the project complexity due to the relatively congested corridor.[208] Given the substantial financial impact this project has on ratepayers, it is important that the most cost beneficial project alternative to be determined prior to the ratepayers being financially liable for this project by having the project costs embedded into rates.

Due to the uncertainty of the project scope, the Commission should deny funding for design and permitting in this rate case cycle. Cal Am may pursue the design and permitting phase of these projects and present them in a future rate case. Once the preliminary phase is completed, there will be more clarity on the project scope and cost. Cal Am, in a future rate case, may request funding for the project, including all prudent design and permitting costs. This will provide more transparency on the project costs borne by the ratepayers.

5. SCADA Maintenance and Improvements Program (I15-400160)

The Commission should reduce Cal Am's request for SCADA improvements to $7,048 in 2024 and zero funding in 2025[209] due to the planned new and replacement improvements scheduled for 2024-2025.

Cal Am provided a 15-year plan (2022-2037) for SCADA improvements in the Monterey District.[210] The fifteen-year plan provides

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[207] Cal Am Engineering Workpaper, Redacted Tab 164 at B-64.

[208] Cal Am Engineering Workpaper, Redacted Tab 164 at B-64.

[209] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." Cal Am requests an annual budget of $552,000.

[210] Cal Am Response to Public Advocates Office Data Request JMI-010 (SCADA Master Plan), Attachment JMI 10 Q001 Attachment 2.

an estimate cost for replacement and new installation improvements for various SCADA equipment each year. The fifteen-year plan states that the total new installation and replacement cost is $7,048 in 2024 and $0 in 2025.[211] Attachment 3-3 summarizes the total replacement and new installation costs for 2024 and 2025.[212] Therefore, the Commission should only allow $7,048 in 2024 and no funding in 2025.

6. Standby Generator Improvement Program (I15-400163)

The Commission should deny Cal Am's annual budget of $345,000[213] to install seven generators, consistent with Cal Advocates' recommendation regarding generators.[214]

Cal Am plans on installing generators at sites listed in the CPS and in the Emergency Power Study.[215] Cal Am should fulfill its obligations in the adopted settlement from the previous GRC and complete a portable generator planning study to identify more affordable alternatives to installing stationary generators at its facilities.[216] The terms of the adopted settlement agreement should be adhered to and not ignored.

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[211] Cal Am Response to Public Advocates Office Data Request JMI-010 (SCADA Master Plan), Attachment JMI 10 Q001 Attachment 2.

[212] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 3, Attachment 3-3, *I15-400160 – 2024-2025 SCADA New Installation and Replacement Costs*.

[213] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[214] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

[215] Crooks Direct Testimony at 212.

[216] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

B. Common Plant

1. Project Contingency

Based on Cal Advocates' recommendation regarding project contingency, the Commission should deny any funding related to project contingency.[217] Attachment 3-4 shows the amount of proposed funding due to project contingency for 2024-2025.[218]

2. Projects Previously Included in Rates that Have Not Provided a Benefit to Ratepayers

Attachment 3-5 identifies projects originally scheduled for completion before 2024 but are now projected for completion in 2024 or later.[219] The projects were previously funded in rates. However, the Commission should not authorize continued inclusion of these projects in rates.[220] If Cal Am is able to complete these projects by the revised completion date, Cal Am may seek recovery of the project costs when it files its next general rate case application in 2025.

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[217] Cal Advocates Report, Report on Capital Contingency Factors, Southern Division, Special Request 4, and Extra Ordinary Early Retirements, Chapter 1.

[218] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 3, Attachment 3-4, *2024-2025 Funding Related to Project Contingency –Monterey District*.

[219] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 3, Attachment 3-5, *Projects Previously Funded in Rates but not Providing a Benefit to Ratepayers until 2024 or Later – Monterey District)*. These projects result in a total direct cost of $2,840,500 in 2022, $4,692,000 in 2023, $4,646,000 in 2024, and $4,140,000 in 2025.

[220] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 6.

C. Revenue Requirement Impact Due to Cal Advocates' Recommendations

Cal Advocates' recommended adjustments mentioned above would reduce the revenue requirement by approximately $1,376,641 in 2024 and $1,397,898 in 2025 for the Monterey District.[221]

IV. CONCLUSION

The Commission should reduce the annual budget for the Tank Rehabilitation Program (I15-400161) to $199,833 (from $1,380,000) during this rate case cycle by: 1) removing the redundant tank painting costs; 2) separating the tank inspection costs; and 3) removing the contingency costs. The Commission should reject funding for the Carmel Woods #1 and #2 Replacement project (I15-400130) since there is sufficient storage in the Carmel Woods-Rio Vista pressure zone without these tanks. The Commission should reduce the Tank Installation and Replacement Program (I15-400165) to $858,667 (from $1,288,000) since one of the tanks does not need to be replaced at this time. The Commission should deny funding for the Eardley-Forest Lake Above Ground Transmission Main Replacement (I15-400153) and the Carmel Valley Transmission Main Improvements (I15-400155) projects in this rate case due to the project complexity and uncertainty of scope associated with these projects. If Cal Am decides to pursue the design and permitting of the Eardley-Forest Lake Above Ground Transmission Main Replacement and the Carmel Valley Transmission Main Improvements projects, they may present it in a subsequent rate case after Cal Am completes the preliminary phase of the projects and there is more clarity on the project scope and cost. Cal Am may request funding for the Eardley-Forest Lake Above Ground Transmission Main Replacement and the Carmel Valley Transmission Main Improvements projects in a future rate case, including all prudent design and permitting costs. The Commission should reduce the

[221] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 3, Attachment 3-6, *Monterey District – Revenue Requirement Calculation* (showing the revenue requirement calculation).

SCADA Program (I15-400160) to $7,048 (from $552,000) in 2024 and allow no funding in 2025 due to the planned new and replacement improvements scheduled for 2024-2025. The Commission should deny Cal Am's annual budget of $345,000 for the Standby Generator Improvement Program (I15-400163) consistent with Cal Advocates' recommendation regarding generators.[222]

The Commission should adopt Cal Advocates recommended budget to account for common plant issues such as excessive project contingency costs and projects approved in previous rate cases but not expected to be completed until 2024 (or later).

[222] Cal Advocates Report, Report on Depreciation, Earthquake, Customer Service, Wildfire, Water Quality, and Safety, Chapter 4.

CHAPTER 4 MONTEREY WASTEWATER

I. INTRODUCTION

The Monterey Wastewater district is comprised of the following wastewater systems: Las Palmas, Indian Springs, Pasadera, Carmel Valley Ranch, Oak Hills, Spreckels, White Oaks, and Village Greens.[223] Cal Advocates conducted a field visit on November 30, 2022. This chapter presents Cal Advocates' analyses and recommendations for Plant in Service for Cal Am's Monterey Wastewater District. In the 2024-2025 period, Cal Am requests funding for the recurring project budget in Monterey Wastewater.[224]

II. SUMMARY OF RECOMMENDATIONS

The Commission should adopt $393,112 in 2024 and $484,566 in 2025 for plant additions in Monterey Wastewater District. The Commission should reduce the recurring project budget to $87,369 (from $380,000) in 2025 by reducing the vehicles recurring project budget.

Attachment 4-1 presents Cal Advocates' project-specific adjustments.[225] This adjustment reduces the revenue requirement by approximately $55,309 in 2025.[226] The Commission should adopt the capital budget summary presented in Table 4-1 below.

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[223] Cooks Direct Testimony at 4.

[224] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[225] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 4, Attachment 4-1, *Capital Budget Details – Monterey Wastewater District*.

[226] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 4, Attachment 4-4, *Monterey Wastewater District – Revenue Requirement Calculation* (showing the revenue requirement calculation).

Table 4-1: Capital Budget Summary – Monterey Wastewater District[227]

Monterey WW ($000)	2024	2025	Annual Average
Public Advocates Office Recommendation	$ 393.11	$ 484.57	$ 438.84
Cal Am's Proposed	$ 393.11	$ 777.20	$ 585.15
Cal Am> Public Advocates Office	$ -	$ 292.63	$ 146.32
Public Advocates Office as % of Cal Am	100%	62%	75%

III. ANALYSIS

Unless otherwise stated, the project costs discussed below are direct project costs. The direct project costs are the cost of the project without add-on costs (e.g. overhead).

A. Recurring Project Budget

The Commission should reduce Cal Am's proposed recurring project budget for vehicles to $87,369 in 2025 (R1542O125)[228] because only one vehicle warrants replacement.[229] Cal Am only requests to replace one vehicle in 2025 at a cost of $87,369.[230] Cal Am is not requesting funding for any additional vehicles; only replacement of an existing vehicle in 2025.[231] Therefore, the Commission should only authorize funding for the replacement of one vehicle in Cal Am's recurring project budget for vehicles.

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[227] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[228] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[229] Cal Am Response to Public Advocates Office Data Request JMI-018 (Vehicles), CAW Response to Cal Adv JMI 18 Q001 Attachment 1.

[230] Cal Am Response to Public Advocates Office Data Request JMI-018 (Vehicles), CAW Response to Cal Adv JMI 18 Q001 Attachment 1.

[231] Cal Am Response to Public Advocates Office Data Request JMI-018 (Vehicles).

B. Revenue Requirement Impact Due to Cal Advocates' Recommendations

Cal Advocates' recommended adjustments mentioned above would reduce the revenue requirement by approximately $55,309 in 2025 for the Monterey Wastewater District.[232]

IV. CONCLUSION

The Commission should reduce the proposed recurring project budget for vehicles to $87,369 (from $380,000) in 2025 (R1542O125) since only one vehicle warrants replacement. The Commission should adopt Cal Advocates recommended budget.

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[232] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 4, Attachment 4-4, *Monterey Wastewater District – Revenue Requirement Calculation* (showing the revenue requirement calculation).

CHAPTER 5 TANK PAINTING

I. INTRODUCTION

Cal Am requests funding for deferred tank improvements, which consists of tank painting and tank inspections. Cal Am amortizes the proposed project costs over a ten-year period.[233] Cal Am conducts an inspection of its tanks at least once every five years.[234] Cal Advocates reviewed the most recent tank inspection report to determine the reasonableness of Cal Am's request. Cal Am states that it has cancelled the Angeles Mesa Tank painting project in the Los Angeles District since filing their application.[235] This chapter presents the analysis and recommendations regarding Cal Am's request for tank painting in its districts.

II. SUMMARY OF RECOMMENDATIONS

The Commission should adopt a budget of $3,879,867 in 2024 and $1,432,585 in 2025 for deferred tank improvements due to one project being modified based on the most recent tank inspection report. Attachment 5-1 presents Cal Advocates' project-specific adjustments.[236]

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[233] Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC."

[234] Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC."

[235] Cal Am Response to Public Advocates Office Data Request JMI-019 (JMI-003 Follow Up), CAW Response to Cal Adv JMI 19 Q001 Attachment 1. Cal Am cancelled the Angeles Mesa Tank painting project since the Los Angeles District Seismic study recommended cancelling this project.

[236] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 5, Attachment 5-1, *Capital Budget Details – Deferred Tank Improvements*.

III. ANALYSIS

A. Proposed Projects

1. Vintage Treatment Plant ("TP") Finished Water Tank Painting Interior and Exterior

The Commission should reduce the proposed budget to $831,000 (from $1,281,000) in 2024[237] to repaint both the exterior and interior of the Vintage TP Finished Water Tank since only spot repairs should be done at this time rather than repainting the entire tank exterior. TIC conducted an inspection of the Vintage TP Finished Water Tank in 2019.[238]

According to the tank inspection report, the exterior coating appears to be in good overall condition and was providing adequate protection from corrosion to most of the underlying steel.[239] TIC believes that the tank exterior does not need to be repainted within the next five years from a corrosion standpoint.[240] The inspection report mentions spot cleaning and topcoating the existing system as a viable option.[241] The inspection report estimates $306,000 for spot repairs,[242] which is a better option compared to repainting the entire tank. Therefore, the Commission should only allow

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[237] Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC."

[238] Cal Am Response to Public Advocates Office Data Request JMI-019 (DR JMI-003 Follow up), Attachment JMI-019 Q002 Attachment 1 Redacted at 1. The inspection report refers to the tank as the "South Tank."

[239] Cal Am Response to Public Advocates Office Data Request JMI-019 (DR JMI-003 Follow up), Attachment JMI-019 Q002 Attachment 1 Redacted at 12.

[240] Cal Am Response to Public Advocates Office Data Request JMI-019 (DR JMI-003 Follow up), Attachment JMI-019 Q001 Attachment 1 Redacted) at 12.

[241] Cal Am Response to Public Advocates Office Data Request JMI-019 (DR JMI-003 Follow up), Attachment JMI-019 Q002 Attachment 1 Redacted at 13.

[242] Spot Clean and Topcoat ($206,000) + Containment ($100,000) = $306,000

$831,000 for repainting the Vintage TP Finished Water Tank.[243] TIC states that the tank exterior should be reevaluated in three to five years to determine a more precise recoating schedule.[244] If the exterior tank merits to be completely repainted after another tank inspection report is conducted, then Cal Am can pursue repainting the entire tank exterior and present the completed project cost in their next rate case with an updated inspection report. Cal Am would be able to recover all prudent costs related to the tank painting project.

IV. CONCLUSION

The Commission should adopt a budget of $3,879,867 in 2024 in $1,432,585 in 2025 for deferred tank improvements due to one project being modified based on the most recent tank inspection report. The Commission should adopt Cal Advocates' recommended budget.

[243] Interior ($525,000) + Exterior ($306,000) = $831,000.

[244] Cal Am Response to Public Advocates Office Data Request JMI-019 (DR JMI-003 Follow up), Attachment JMI-019 Q002 Attachment 1 Redacted at 12.

CHAPTER 6 PROJECTS PREVIOUSLY FUNDED IN RATES THAT ARE NOT PROVIDING A BENEFIT TO RATEPAYERS

I. INTRODUCTION

Project costs are forecasted in rates through rate base under the assumption that the utility will place these projects in service as scheduled. However, Cal Am now states that some projects that were previously authorized by the Commission have not been completed. The project costs are embedded in rates under the assumption that these projects would be in service and providing benefits to ratepayers. Ratepayers should only be responsible for paying for projects in which they are receiving a benefit from. This chapter discusses projects that were approved and included in rates in previous rate cases but Cal Am now has rescheduled to be complete in this rate case cycle.

II. SUMMARY OF RECOMMENDATIONS

The Commission should not include project costs for projects previously approved by the Commission where Cal Am anticipates completing in 2024 or later. These projects should not be included in rates until the projects are completed, in service, and providing benefits to ratepayers.[245] Once Cal Am completes these projects, it can propose to recover the costs in the next rate case.[246] This will provide the Commission the opportunity to review the actual costs of the project for reasonableness and prudency.

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[245] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 6, Attachment 6-1, *Projects Previously Funded in Rates but not Providing a Benefit to Ratepayers until 2024 or Later*.

[246] Cal Am should not be able to recover the recorded cost of projects until the projects are completed and placed into service.

III. ANALYSIS

Attachment 6-1 shows previously approved projects that Cal Am now expects to be completed in 2024 (or later).[247]

According to Cal Am, the completion dates for the projects shown in Attachment 6-1 have been delayed due to the uncertainty of the projects.[248] For some projects, the project has spanned across multiple rate cases. Due to continuing uncertainty, it remains speculative whether the projects will be completed by the revised completion date. According to Cal Am, the projects shown in Attachment 6-1 will not be completed until Cal Am submits its application for the next rate cycle.[249]

In addition, it is also uncertain whether Cal Am will even complete these projects. Cal Am also states some of the projects that were approved by the Commission and included in rates in prior GRCs (under the assumption that they would be completed) were ultimately cancelled. Table 6-1 shows a list of previously approved projects that Cal Am has cancelled.

[247] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 6, Attachment 6-1, *Projects Previously Funded in Rates but not Providing a Benefit to Ratepayers until 2024 or Later*.

[248] Crooks Direct Testimony at 60-62, 83-84, 120.

[249] Crooks Direct Testimony at 60-62, 83-84, 120.

Table 6-1: Cancelled Projects Previously Approved by the Commission and Funded by Ratepayers[250]

			A.13-07-002		A.16-07-002		A.19-07-004		A.22-07-001	
Project ID	District	Project Description	Year	Total Project Cost	Year	Total Project Cost	Year	Total Project Cost	Year	Total Project Cost
I15-500030 IP-0550-38	Los Angeles	LA-Oswego Well Replacement and Treatment	2014	$ 814,484	2018	$ 2,148,528	2021	$ 1,719,632	n/a	Cancelled
I15-500032	Los Angeles	Winston Well Redrill and Treatment	2014	$ 2,111,574	2019	$ 2,140,000	2022	$ 2,899,981	n/a	Cancelled
I15-510028	Ventura	Replace 1400 Feet Main to Las Posas Tanks	2016	$ 900,000	2016	$ 1,090,686	2020	$ 1,648,383	n/a	Cancelled
I15-420003	Monterey WW	Las Palmas MBBR Installation	n/a	n/a	n/a	n/a	2023	$ 247,445	n/a	Cancelled
I15-600066	Sacramento	Suburban-Rosemont Route 50 Crossing	n/a	n/a	n/a	n/a	2020	$ 1,908,803	n/a	Cancelled
I15-600088	Sacramento	Sacramento District Water Quality Monitoring Program	n/a	n/a	n/a	n/a	2019	$ 468,275	n/a	Cancelled

For the projects shown in Table 6-1 above, the Commission approved these projects and the project costs were embedded in rates under the assumption that these projects would be completed and provide a benefit to ratepayers. However, these projects were never completed, but the ratepayers were still ultimately on the hook for funding something that they ultimately received no benefit from. For these reasons mentioned above, the Commission should remove the projects costs associated with the projects in Attachment 6-1 from rates in this rate case until the projects are completed, in service, and providing benefits to ratepayers. Once Cal Am complete these projects, it can propose to recover the costs in the next rate case cycle.[251] This will provide the Commission the opportunity to review the

[250] Crooks Direct Testimony at 60-62, 83-84, 120. Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total CAPEX WS-5 (from A.16-07-002 and A.19-07-004)." A.16-07-002, *Direct Testimony of F. Mark Schubert* (Schubert Direct Testimony) at 37. Cal Am RO model file "RB 100 thru 105-2013 Statewide GRC-Los Angeles," tab: "SCEP Summary" (from A.13-07-002). Cal Am RO model file "RB 100 thru 105-2013 Statewide GRC-Ventura," tab: "SCEP Summary" (from A.13-07-002). Cal Am RO model file "RB 100 thru 105-2013 Statewide GRC-Ventura," tab: "SCEP Summary" (from A.13-07-002). Cal Am RO model file "RB 100 thru 105-2013 Statewide GRC-Sacramento," tab: "SCEP Summary" (from A.13-07-002). Cal Am also identified the Sacramento District Water Quality Monitoring Program (I15-600088) as a cancelled project. Cal Am states that the Sacramento District Water Quality Monitoring Program was no longer necessary due to since the project scope was already handled through the recurring project budget.

[251] Cal Am should not be able to recover the recorded cost of projects until the projects are completed and placed into service.

actual costs of the project for reasonableness and prudency. The Commission should not include funding for the projects listed in Attachment 6-1 in this rate case.

IV. CONCLUSION

The Commission should remove the projects costs associated with the projects in Attachment 6-1 from rates in this rate case until the projects are completed, in service, and providing benefits to ratepayers.[252] Once Cal Am completes these projects, it can propose to recover the costs in the next rate case cycle. This will provide the Commission the opportunity to review the actual costs of the project for reasonableness and prudency.

[252] Cal Advocates Report, Report on Northern and Central Division Plant and Tank Painting Chapter 6, Attachment 6-1, *Projects Previously Funded in Rates but not Providing a Benefit to Ratepayers until 2024 or Later*.

CHAPTER 7 2026 PLANT ADDITIONS

I. INTRODUCTION

In this rate case, Cal Am proposes plant additions for the 2024-2026 period. Both D.04-06-018 and D.07-05-062 (the "Rate Case Plan" and the "Revised Rate Case Plan," respectively) clearly state that all rate base items, including capital additions, are subject to two test years and an attrition year.[253] This chapter discusses the treatment of plant addition in 2026 which occurs during the attrition year.

II. SUMMARY OF RECOMMENDATIONS

The Commission should follow its own guidelines in the Revised Rate Case Plan for calculating rate base additions in the attrition year and not authorize any specific plant improvement projects after 2025 in this rate case.

III. ANALYSIS

Cal Am is proposing plant additions in 2024-2026 for this rate case cycle. Since the year 2026 falls outside of the two test years of this rate case, Cal Advocates did not forecast 2026 plant additions or take a position on the prudency or the reasonableness of projects scheduled for completion in 2026 (or after 2025). The year 2026 is not a forecasted test year and the Commission should avoid giving the perception of endorsing another test year.[254]

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[253] D.07-05-062 states at A-19 "All rate base items, including capital additions and depreciation, shall not be escalated but rather shall be subject to two test years and an attrition year, consistent with D.04-06-018."

According to D.04-06-018, the attrition allowance methodology estimates the rate base additions for the third year of the rate case cycle (2026 in this rate case cycle) based on the difference between the first and second test year rate base.

[254] According to D.04-06-018, the attrition allowance methodology estimates the rate base additions for the third year of the rate case cycle (2026 in this rate case cycle) based on the difference between the first and second test year rate base.

The Revised Rate Case Plan provides a calculation methodology for rate base additions in the attrition year, stating: "The attrition allowance methodology provides for rate base additions in year 3 by adding the difference between test year 1 and test year 2 rate base to test year 2 rate base."[255] In addition, Cal Am does not forecast proposed 2026 plant expenditures in its workpapers.[256]

Therefore, the Commission should follow its own guidelines for calculating rate base additions in the attrition year. The Commission should not authorize any specific plant improvement projects after 2025 in this rate case, as Cal Am requests.

IV. CONCLUSION

The Commission should follow its own guidelines in the Revised Rate Case Plan for calculating rate base additions in the attrition year and not authorize any specific plant improvement projects after 2025 in this rate case, as Cal Am requests.

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[255] D.04-06-018 at A-19.

[256] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast."

Attachment 1-1: Qualifications of Witness

QUALIFICATIONS AND PREPARED TESTIMONY

OF

JUSTIN MENDA

Q.1 Please state your name and address.

A.1 My name is Justin Menda and my business address is 505 Van Ness Ave, San Francisco, California 94102.

Q.2 By whom are you employed and what is your job title?

A.2 I am a Utilities Engineer in the Water Branch of the Cal Advocates of California Public Utilities Commission.

Q.3 Please describe your educational and professional experience.

A.3 I received a Bachelor of Science Degree and Master of Science Degree in Civil Engineering from the University of California Irvine.

I have been employed by the Cal Advocates since June 2012. Since that time, I prepared testimony on capital investment in serval GRCs: California Water Service Company's 2012, 2015, 2018 and 2021 GRCs; California-American Water's 2013, 2016, and 2019 GRCs; San Jose Water Company's 2015 GRC; and Golden State Water Company's 2017 and 2020 GRC.

Q.4 What is your area of responsibility in this proceeding?

A.4 I am responsible for the preparation of testimony regarding proposed plant projects in the Northern and Central Divisions, tanking painting, projects previously funded in rates but are not providing a benefit to ratepayers, and 2026 plant additions.

Q.5 Does that complete your prepared testimony?

A.5 Yes, it does.

Attachment 1-2: Capital Budget Details – Sacramento District

Att. Table 1-1: 2024 Capital Budget Details – Sacramento District[257]

2024	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
1	I15-600106	SAC-Isleton Storage Tank	$ 184,000	$ 184,000	$ -	100%
2	I15-600108	SAC-Wittkop 2 Water Treatment Plant	$ -	$ 184,000	$ 184,000	0%
3	I15-600109	SAC-Vintage 1 Treatment	$ 230,000	$ 230,000	$ -	100%
4	I15-600110	SAC-Malaga Well Replacement and TCP Treatment	$ 552,000	$ 552,000	$ -	100%
5	I15-600111	NOR-Main Replacement Program (2024-2026)	$ 2,064,617	$ 4,600,000	$ 2,535,383	45%
6	I15-600112	NOR-SCADA Maintenance and Improvements Program (2024-2026)	$ 644,000	$ 644,000	$ -	100%
7	I15-600113	NOR-Well Installation and Replacement Program (2024-2026)	$ 7,912,000	$ 11,868,000	$ 3,956,000	67%
8	I15-600114	NOR-Well Rehabilitation Program (2024-2026)	$ 2,576,000	$ 2,576,000	$ -	100%
9	I15-600115	NOR-Standby Generator Improvement Program (2024-2026)	$ -	$ 1,104,000	$ 1,104,000	0%
10	I15-600116	SAC-Service Saddle Replacement Program (2024-2026)	$ 394,677	$ 1,472,000	$ 1,077,323	27%

[257] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." The project costs listed are direct project costs.

2024	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
11	I15-660004	FRV-South Highway 99 Crossing	$ 230,000	$ 230,000	$ -	100%
12	I15-660005	FRV-Well Rehabilitation Program (2024-2026)	$ 460,000	$ 460,000	$ -	100%
13	I15-660006	FRV-Well Replacement and Installation Program (2024-2026)	$ -	$ 1,288,000	$ 1,288,000	0%
14	I15-670004	HILL-Hillview Tank Rehab Program (2024-2026)	$ 185,067	$ 471,960	$ 286,893	39%
15	I15-670005	HILL-Hillview Tank Replacement Program (2024-2026)	$ 327,319	$ 1,096,640	$ 769,321	30%
16	I15-860001	BASS-Bass Lake Flat Rate to Metered Conversion	$ 4,669,000	$ 4,669,000	$ -	100%
Specifics Total			**$ 20,428,680**	**$ 31,629,600**	**$ 11,200,920**	**65%**
Recurring Project Total			**$ 6,564,781**	**$ 6,564,781**	**$ -**	**100%**
Projects Previously Funded but not yet Complete			**$ -**	**$ 2,637,640**	**$ 2,637,640**	**0%**
TOTAL 2024			**$ 26,993,461**	**$ 40,832,021**	**$ 13,838,560**	**66%**

Att. Table 1-2: 2025 Capital Budget Details – Sacramento District[258]

2025	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
1	I15-600106	SAC-Isleton Storage Tank	$ 1,380,000	$ 1,380,000	$ -	100%
2	I15-600108	SAC-Wittkop 2 Water Treatment Plant	$ -	$ 3,484,040	$ 3,484,040	0%
3	I15-600109	SAC-Vintage 1 Treatment	$ 2,150,040	$ 2,150,040	$ -	100%

[258] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." The project costs listed are direct project costs.

2025	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
4	I15-600111	NOR-Main Replacement Program (2024-2026)	$ 2,064,617	$ 4,600,000	$ 2,535,383	45%
5	I15-600112	NOR-SCADA Maintenance and Improvements Program (2024-2026)	$ 1,012,000	$ 1,012,000	$ -	100%
6	I15-600113	NOR-Well Installation and Replacement Program (2024-2026)	$ 8,310,667	$ 12,466,000	$ 4,155,333	67%
7	I15-600114	NOR-Well Rehabilitation Program (2024-2026)	$ 2,576,000	$ 2,576,000	$ -	100%
8	I15-600115	NOR-Standby Generator Improvement Program (2024-2026)	$ -	$ 1,104,000	$ 1,104,000	0%
9	I15-600116	SAC-Service Saddle Replacement Program (2024-2026)	$ 406,596	$ 2,024,000	$ 1,617,404	20%
10	I15-660004	FRV-South Highway 99 Crossing	$ 736,000	$ 736,000	$ -	100%
11	I15-660005	FRV-Well Rehabilitation Program (2024-2026)	$ 460,000	$ 460,000	$ -	100%
12	I15-660006	FRV-Well Replacement and Installation Program (2024-2026)	$ -	$ 2,760,000	$ 2,760,000	0%
13	I15-670004	HILL-Hillview Tank Rehab Program (2024-2026)	$ 185,067	$ 471,960	$ 286,893	39%
14	I15-670005	HILL-Hillview Tank Replacement Program (2024-2026)	$ 327,319	$ 1,096,640	$ 769,321	30%
15	I15-670006	HILL-Hillview Pump Station Rehabilitation Program (2024-2026)	$ 460,000	$ 460,000	$ -	100%

Specifics Total	**$ 20,068,306**	**$ 36,780,680**	**$ 16,712,374**	**55%**
Recurring Project Total	**$ 7,571,533**	**$ 7,571,533**	**$ -**	**100%**
Projects Previously Funded but not yet Complete	**$ -**	**$ -**	**$ -**	**N/A**
TOTAL 2025	**$ 27,639,838**	**$ 44,352,213**	**$ 16,712,374**	**62%**

Attachment 1-3: I15-670004 – Direct Project Cost

Att. Table 1-3: I15-670004 – Direct Project Cost[259]

Tank		Cal Am	Cal Advocates Capital	Cal Advocates Tank Painting
SLWTP Tank 1		$ 75,500	$ 50,500	$ 15,000
SLWTP Tank 2		$ 75,500	$ 50,500	$ 15,000
SLWTP Backwash Tank		$ 72,000	$ 62,000	$ -
Courtney Tank 1		$ 88,500	$ 63,500	$ 15,000
Courtney Tank 2		$ 105,500	$ 72,500	$ 15,000
Forest Ridge WTP Tank 1		$ 89,500	$ 54,500	$ 15,000
Forest Ridge WTP Tank 2		$ 89,500	$ 54,500	$ 15,000
Forest Ridge WTP Backwash		$ 42,000	$ 32,000	$ -
Raymond Treatment Plant 1		$ 60,000	$ 55,000	$ -
Raymond Treatment Plant 2		$ 59,000	$ 55,000	$ -
Raymond Treatment Plant Influent Blending		$ 67,100	$ 59,100	$ -
Raymond Treatment Plant Sludge Tank		$ 38,600	$ 30,600	$ -
Raymond Treatment Plant Backwash		$ 68,100	$ 32,000	$ -
Subtotal		$ 930,800	$ 671,700	$ 90,000
General Conditions	15%	$ 139,620	$ 100,755	$ 13,500
Subtotal		$ 1,070,420	$ 772,455	$ 103,500
O/H and Profit	15%	$ 160,563	$ 115,868.25	$ 15,525
Subtotal		$ 1,230,983	$ 888,323.25	$ 119,025
Design/Permitting/ CM	25%	$ 307,745.75	$ 222,080.81	$ 29,756.25
Subtotal		$ 1,538,728.75	$ 1,110,404.06	$ 148,781.25
Annual Budget		$ 256,454.79	$ 185,067.34	$ 24,796.88

[259] Cal Am Engineering Workpaper, Tab 117 at 1-22 to 1-23.

Attachment 1-4: I15-670005 – Direct Project Cost

Att. Table 1-4: I15-670005 – Direct Project Cost[260]

Tank		Cal Am	Cal Advocates Capital	Cal Advocates Tank Painting
Quail Meadows		$ 500,000	$ 83,500	$ -
Vista Heights Tank 2		$ 250,000	$ 250,000	$ -
420 Tank		$ 600,000	$ 103,000	$ 105,000
437 Tank		$ 600,000	$ 76,000	$ 500,000
Site 9 Tank 1		$ 250,000	$ 97,000	$ 116,000
Site 9 Tank 2		$ 250,000	$ 97,000	$ 125,000
Site 10		$ 250,000	$ 90,500	$ 105,000
Coarsegold Tank 1		$ 250,000	$ 87,000	$ 30,000
Coarsegold Tank 2		$ 250,000	$ 87,000	$ 81,000
Goldside Tank		$ 600,000	$ 217,000	$ 8,000
Subtotal		$ 3,800,000	$ 1,188,000	$ 1,070,000
General Conditions	15%	$ 570,000	$ 178,200	$ 160,500
Subtotal		$ 4,370,000	$ 1,366,200	$ 1,230,500
OH/Profit	15%	$ 655,500	$ 204,930	$ 184,575
Subtotal		$ 5,025,500	$ 1,571,130	$ 1,415,075
Design/Permitting/CM	25%	$ 1,256,375	$ 392,783	$ 353,769
Subtotal		$ 6,281,875	$ 1,963,913	$ 1,768,844
Annual Budget		$ 1,046,979.17	$ 327,318.75	$ 294,807.29

[260] Cal Am Engineering Workpaper, Tab 118 at pdf pp. 1-25 to 1-26.

Attachment 1-5: Fruitridge Well Capacity Calculation

Att. Table 1-5: Fruitridge Well Capacity Calculation[261]

			Planning Scenario			
			MDD		PHD	
Duration (hr)			24		4	
Demand			gpm	MG	gpm	MG
Total Demand			2805.56	4.04	2847.2	0.7
Supply	Capacity (gpm)					
Wells	5170		5170	7.44	5170	1.24
Purchased Water	2250		2250	3.24	2250	0.54
Total Supply			7420	10.68	7420	1.78
Total Supply (Excl. Largest Remaining Well)			6520	9.39	6520	1.56
Supply Exceeds Demand			4614.44	6.64	4572.78	1.10
Supply Exceeds Demand (Excl. Largest Remaining Well)			3714.44	5.35	3672.78	0.88

[261] Cal Am Engineering Workpaper, Redacted Tab 169 at 3-2, 3-5, 3-8. 2021 DDW Fruitridge Report at 10-11.

Attachment 1-6: I15-660002 – Direct Project Cost

Att. Table 1-6: I15-660002 – Direct Project Cost

Escalation Factors[262]

2021	2022	2023	2024	2025
1	1.0776	1.039	1.031	1.0302
1	1.0776	1.119626	1.154335	1.189196

Direct Costs[263]

2021	2023	2024	2025
$ 3,211,000	$ 3,595,120.37	$ 3,706,569.10	$ 3,818,507.49

[262] Cal Am RO model file "ALL_CH04_O&M_WP_Escalation Factors," tab: "Inflation Rates - CAW."

[263] Cal Am Engineering Workpaper, Redacted Tab 169 at 1-5.

Attachment 1-7: Cal Am Response to Public Advocates Office Data Request JMI-017 (Malaga Well – Sacramento)

California-American Water Company

APPLICATION NO. A.22-07-001
DATA REQUEST RESPONSE

Response Provided By:	**Mark Hernandez**
Title:	**Capital Program Senior Administrator**
Address:	**California American Water 4701 Beloit Dr Sacramento CA 95838**
Cal Adv Request:	**A2207001 CAL ADV DATA REQUEST # JMI-17**
Company Number:	**Cal ADV JMI 17 Q001.a**
Date Received:	**October 19, 2022**
Date Response Due:	**November 2, 2022**
Subject Area:	**Malaga Well**

DATA REQUEST:

1. Regarding the Malaga Well Replacement and TCP Treatment project (project code I15-600110), the Direct Testimony of Ian C. Crooks at p. 219:9-11 states that Cal Am settled a lawsuit in 2021 pertaining to the 1,2,3-TCP contamination of the Malaga Well, and the settlement provides "funding to either provide treatment for the Malaga Well or construct a new well with treatment."

   a. Please indicate, in dollar amount and percent of total project costs, what portion of the costs of the well replacement and treatment is being funded by the 2021 settlement.

CAL-AM'S RESPONSE
California American Water incorporates its General Objections as if each is stated fully here. California American Water further objects to the extent this request calls for any legal conclusions. Subject to, but without waiving, these objections, California American Water responds: $3,657,555.28, the entire settlement, or 51% of Project I15-600110's total estimated cost.

California-American Water Company

APPLICATION NO. A.22-07-001
DATA REQUEST RESPONSE

Response Provided By:	**Mark Hernandez**
Title:	**Capital Program Senior Administrator**
Address:	**California American Water 4701 Beloit Drive Sacramento, CA 95838**
Cal Adv Request:	**A2207001 CAL ADV DATA REQUEST # JMI-17**
Company Number:	**Cal ADV JMI 17 Q001.b**
Date Received:	**October 19, 2022**
Date Response Due:	**November 2, 2022**
Subject Area:	**Malaga Well**

DATA REQUEST:

1. Regarding the Malaga Well Replacement and TCP Treatment project (project code I15-600110), the Direct Testimony of Ian C. Crooks at p. 219:9-11 states that Cal Am settled a lawsuit in 2021 pertaining to the 1,2,3-TCP contamination of the Malaga Well, and the settlement provides "funding to either provide treatment for the Malaga Well or construct a new well with treatment."

   a. Please clarify (both specific workpaper and tab) where the Malaga Well settlement contributions related to I15-600110 are recorded in the RO model.

CAL-AM'S RESPONSE
Settlement contributions for the Malaga Well were identified California American Water's Engineering Department for inclusion in the SCEP but were inadvertently not included in the RO Model. The RO Model should be adjusted to reflect a contribution of $3,657,558 for project code I15-600110.

Attachment 1-8: Wittkop 2 Well – Manganese Sampling Results

CA Drinking Water Watch

CAL AM - ARDEN (3410045)

MANGANESE Sampling Results From 07/01/2021 To 04/01/2023

WITTKOP 2 WELL (CA3410045_012_012)

Click to hide / show columns: Analyte Number | Analyte Name | Sampling Date | Detected Level | Less Than | RL | Counting Error (+/-) | MCL | DLR | Unit | Lab Sample ID | Lab | ELAP | Method |

Some columns are not shown for clarity. Please use the above links to unhide them.

Tips on Using Table

Display 10 records Print Copy Excel PDF Search:

Analyte Number	Analyte Name	Sampling Date	Results			MCL	DLR	Unit	Lab Sample ID	Lab	ELAP	Method
			Detected Level	Less Than	RL							
1032	MANGANESE	02-08-2023		<	20	50	20	UG/L	62066301	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
1032	MANGANESE	12-14-2022		<	20	50	20	UG/L	22L0900-01	CLS LABS	1233	EPA 200.8
1032	MANGANESE	11-14-2022		<	20	50	20	UG/L	60996001	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
1032	MANGANESE	08-16-2022		<	20	50	20	UG/L	59776201	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
1032	MANGANESE	05-24-2022		<	20	50	20	UG/L	58948801	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
1032	MANGANESE	05-24-2022		<	20	50	20	UG/L	58948901	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
1032	MANGANESE	05-17-2022		<	20	50	20	UG/L	58621201	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
1032	MANGANESE	02-16-2022		<	20	50	20	UG/L	57689201	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
1032	MANGANESE	11-09-2021		<	20	50	20	UG/L	56859101	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
1032	MANGANESE	08-24-2021		<	20	50	20	UG/L	55662301	AMERICAN WATER CENTRAL LABORATORY	2737	EPA 200.8
Search A	Search Analyte	Search Sar	Search De	Searc	Se	Searc	Sear	Sea	Search Lal	Search Lab	Search	Search M

Showing 1 to 10 of 10 entries Previous 1 Next

RL – Reporting Level means the level to which the laboratory reported the presence of an analyte. For radionuclides, Reporting Level is the MDA95.

DLR – Detection Limit for purposes of Reporting (DLR) means the designated minimum level at or above which any analytical finding of a contaminant in drinking water resulting from monitoring required under Chapter 15 of Title 22 shall be reported to the State Board (California Code of Regulations Section § 64400.34)

For addtional definitions, please refer to our data dictionary.

Attachment 1-9: I15-670002 and I15-670003 – Direct Project Cost

Att. Table 1-7: I15-670002 – Direct Project Cost

Construction Cost[264]

[264] Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 1.

Description	Quantity	Unit	Unit Cost	Total Cost	
				Cal Am	Cal Advocates
Mobilization	1	lump sum	$ 150,000	$ 150,000	$ 150,000
Clearing and Grubbing	1	lump sum	$ 30,000	$ 30,000	$ 30,000
Dust Control	1	lump sum	$ 20,000	$ 20,000	$ 20,000
Erosion Control	1	lump sum	$ 20,000	$ 20,000	$ 20,000
General Site Demolition	1	lump sum	$ 20,000	$ 20,000	$ 20,000
Remove and Dispose of Abandoned Horizontal Tank	1	lump sum	$ 30,000	$ 30,000	$ 30,000
Remove and Dispose of Abandoned Filter Tank	1	lump sum	$ 20,000	$ 20,000	$ 20,000
Clean Interior of Existing Above-Grade Potable Water	1	lump sum	$ 15,000	$ 15,000	$ 15,000
Earthwork and Rough Grading	1000	CY	$ 55	$ 55,000	$ 55,000
Fine Grading	9300	SQFT	$ 2	$ 18,600	$ 18,600
Class II Aggregate Base Surfacing	7000	SQFT	$ 5	$ 35,000	$ 35,000
6' Chain Link Link Fencing with Razor Wire	570	LF	$ 50	$ 28,500	$ 28,500
24' x 40' Steel Building, with 15' Wide Roll-Up Door	1	lump sum	$ 450,000	$ 450,000	$ 450,000
Water Treatment Plant	1	lump sum	$ 585,000	$ 585,000	$ 585,000
200 Gallon Double Wall Sodium Hypochlorite Storage Tank	1	ea	$ 2,100	$ 2,100	$ 2,100
100 Gallon Double Wall Alum Storage Tank	1	ea	$ 1,400	$ 1,400	$ 1,400
Sodium Hypochlorite Dosing Skid	1	ea	$ 15,000	$ 15,000	$ 15,000
Alum Chemical Dosing Skid	1	ea	$ 15,000	$ 15,000	$ 15,000
Emergency Shower and Eyewash Station	1	ea	$ 4,000	$ 4,000	$ 4,000
1" Hose Bibb	1	ea	$ 1,500	$ 1,500	$ 1,500
Booster Pump Station	1	lump sum	$ 205,000	$ 205,000	$ 205,000
1" Reclaimed Backwash Water Piping	60	LF	$ 30	$ 1,800	$ 1,800
1" Sludge Piping	80	LF	$ 30	$ 2,400	$ 2,400
3" Treated Water Distribution Piping	125	LF	$ 65	$ 8,125	$ 8,125
3" Raw Water Piping	165	LF	$ 65	$ 10,725	$ 10,725
6" Backwash Piping	90	LF	$ 100	$ 9,000	$ 9,000
6" Treated Water Distribution Piping	100	LF	$ 100	$ 10,000	$ 10,000
3" Gate Valve	1	ea	$ 700	$ 700	$ 700
6" Gate Valve	2	ea	$ 1,500	$ 3,000	$ 3,000

Description	Quantity	Unit	Unit Cost	Total Cost	
				Cal Am	Cal Advocates
10,000 Gallon Polyethylene Backwash Tank	1	ea	$ 20,000	$ 20,000	$ 20,000
10,000 Gallon Polyethylene Sludge Tank	1	ea	$ 20,000	$ 20,000	$ 20,000
Area Light Poles	2	ea	$ 3,500	$ 7,000	$ 7,000
150 kW Diesel Generator	1	ea	$ 115,000	$ 115,000	$ -
Design and Program Telemetry SCADA system	1	ea	$ 15,000	$ 15,000	$ 15,000
Allowance for Electrical Improvements	1	ea	$ 200,000	$ 200,000	$ 200,000
Allowance for New PG&E Electrical Service	1	ea	$ 200,000	$ 200,000	$ 200,000
Misc. Facilities and Operations	1	ea	$ 107,150	$ 107,150	$ 107,150
Subtotal Amount:				$ 2,451,000	$ 2,336,000
Contingency			approx. 25%	$ 613,000	$ -
Construction Cost:				$ 3,064,000	$ 2,336,000

Direct Project Cost[265]

Item	Unit Cost	Total Cost	
		Cal Am	Cal Advocates
Construction Cost		$ 3,064,000	$ 2,336,000
Permitting	2.5%	$ 76,000	$ 58,400
Engineering	12.5%	$ 383,000	$ 292,000
Construction management	5.0%	$ 154,000	$ 116,800
Startup and Special Inspection	5.0%	$ 154,000	$ 116,800
Overhead	6.0%	$ 169,000	$ -
Implementation Costs		$ 936,000	$ 584,000
Direct Project Cost		$ 4,000,000	$ 2,920,000

Att. Table 1-8: I15-670003 – Direct Project Cost

Construction Cost[266]

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[265] Cal Am Engineering Workpaper, Tab 115 at 2.

[266] Cal Am Response to Public Advocates Office Data Request JMI-021 (Coarsegold and Goldside WTP – Hillview), Attachment JMI-021 Q001 Attachment 2.

Description	Quantity	Unit	Unit Cost	Total Cost	
				Cal Am	Cal Advocates
Mobilization	1	lump sum	$ 90,000	$ 90,000	$ 90,000
Clearing and Grubbing	1	lump sum	$ 20,000	$ 20,000	$ 20,000
Dust Control	1	lump sum	$ 10,000	$ 10,000	$ 10,000
Demolish and Remove Abandoned Polyethylene Tank	1	lump sum	$ 5,000	$ 5,000	$ 5,000
Demolish and Remove Abandoned Horizontal Tank	1	lump sum	$ 20,000	$ 20,000	$ 20,000
Remove and Dispose of Abandoned Filter Tank	1	lump sum	$ 20,000	$ 20,000	$ 20,000
All-Weather Grading	4000	SQFT	$ 5	$ 20,000	$ 20,000
Loprest Filter Package	1	lump sum	$ 410,000	$ 410,000	$ 410,000
10000 Gallon Backwash Tank	1	lump sum	$ 14,000	$ 14,000	$ 14,000
Distribution Booster Pump Replacement	1	ea	$ 50,000	$ 50,000	$ 50,000
6-Inch Concrete Pads	1	lump sum	$ 4,000	$ 4,000	$ 4,000
Piping	1	lump sum	$ 11,000	$ 11,000	$ 11,000
Control Valves	1	lump sum	$ 8,000	$ 8,000	$ 8,000
Isolation Valves	1	lump sum	$ 10,000	$ 10,000	$ 10,000
500 Gallon Sodium Hypochlorite Tank	1	ea	$ 5,000	$ 5,000	$ 5,000
Sodium Hypochlorite Tank Enclosure	1	ea	$ 10,000	$ 10,000	$ 10,000
Static Mixer	1	ea	$ 10,000	$ 10,000	$ 10,000
6' Chain Link Fencing with Razor Wire	100	LF	$ 50	$ 5,000	$ 5,000
16' Wide Chain Link Swing Gate with Razor Wire	1	lump sum	$ 3,000	$ 3,000	$ 3,000
250 kW Diesel Generator	1	lump sum	$ 150,000	$ 150,000	$ -
Electrical Work and New Service	1	lump sum	$ 200,000	$ 200,000	$ 200,000
Design and Program Telemetry SCADA system	1	lump sum	$ 10,000	$ 10,000	$ 10,000
Misc. Facilities and Operations	1	lump sum	$ 54,000	$ 54,000	$ 54,000
Subtotal Amount:				$ 1,139,000	$ 989,000
Contingency			approx. 30%	$ 342,000	$ -
Construction Cost:				$ 1,481,000	$ 989,000
Engineering, Construction Management & Environmental:				$ 296,000	$ -
Construction Cost:				$ 1,777,000	$ 989,000

Direct Project Cost[267]

Item	Unit Cost	Total Cost	
		Cal Am	Cal Advocates
Construction Cost		$ 1,481,000	$ 989,000
Permitting	2.5%	$ 76,000	$ 24,725
Engineering	12.5%	$ 383,000	$ 123,625
Construction management	5.0%	$ 154,000	$ 49,450
Startup and Special Inspection	5.0%	$ 154,000	$ 49,450
Overhead	6.0%	$ 169,000	$ -
Implementation Costs		$ 936,000	$ 247,250
Direct Project Cost		$ 2,417,000	$ 1,236,250

[267] Engineering Workpaper, Tab 116 at 3.

Attachment 1-10: 2024-2025 Funding Related to Project Contingency – Sacramento District

Att. Table 1-9: 2024-2025 Funding Related to Project Contingency – Sacramento District[268]

Project ID	Project Description	2024	2025
I15600103	SAC-Suburban Rosemont Hydraulic Improvements	$ 395,646	$ -
I15600106	SAC-Isleton Storage Tank	$ 27,600	$ 207,000
I15600108	SAC-Wittkop 2 Water Treatment Plant	$ 27,600	$ 522,606
I15600109	SAC-Vintage 1 Treatment	$ 34,500	$ 322,506
I15600110	SAC-Malaga Well Replacement and TCP Treatment	$ 82,800	$ -
I15600111	NOR-Main Replacement Program (2024-2026)	$ 690,000	$ 690,000
I15600113	NOR-Well Installation and Replacement Program (2024-2026)	$ 1,780,200	$ 1,869,900
I15600114	NOR-Well Rehabilitation Program (2024-2026)	$ 386,400	$ 386,400
I15600115	NOR-Standby Generator Improvement Program (2024-2026)	$ 165,600	$ 165,600
I15600116	SAC-Service Saddle Replacement Program (2024-2026)	$ 220,800	$ 303,600
I15650002	MEA-Meadowbrook Storage Project	$ 124,200	$ -
I15660001	FRV-Fruitridge Vista Metering	$ 574,080	$ -
I15660002	FRV-Fruitridge Vista Mains Improvement Program	$ 978,558	$ 848,700
I15660004	FRV-South Highway 99 Crossing	$ 34,500	$ 110,400
I15660005	FRV-Well Rehabilitation Program (2024-2026)	$ 69,000	$ 69,000
I15660006	FRV-Well Replacement and Installation Program (2024-2026)	$ 193,200	$ 414,000
I15670003	HILL-New Goldside Iron-Manganese WTP	$ 69,000	$ -
I15670004	HILL-Hillview Tank Rehab Program (2024-2026)	$ 70,794	$ 70,794
I15670005	HILL-Hillview Tank Replacement Program (2024-2026)	$ 164,496	$ 164,496
I15670006	HILL-Hillview Pump Station Rehabilitation Program (2024-2026)	$ -	$ 69,000
I15860001	BASS-Bass Lake Flat Rate to Metered Conversion	$ 700,350	$ -

[268] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Contingency By Project WS-6."

Attachment 1-11: Sacramento District – Revenue Requirement Calculation

Att. Table 1-10: Revenue Requirement Calculation Summary – Sacramento District

Project ID	Project Description	Δ Revenue Requirement (Direct Costs) (Cal Am - Cal Advocates) 2024	2025
I15-670004	HILL-Hillview Tank Rehab Program (2024-2026)	$ 33,558.57	$ 33,558.55
I15-670005	HILL-Hillview Tank Replacement Program (2024-2026)	$ 67,158.20	$ 67,158.14
I15-660006	FRV-Well Replacement and Installation Program (2024-2026)	$ 175,942.62	$ 377,019.67
I15-660002	FRV-Fruitridge Vista Mains Improvement Program	$ 364,905.23	$ 238,269.11
I15-600116	SAC-Service Saddle Replacement Program (2024-2026)	$ 134,928.65	$ 202,570.61
I15-600113	NOR-Well Installation and Replacement Program (2024-2026)	$ 540,395.17	$ 567,624.06
I15-600110	SAC-Malaga Well Replacement and TCP Treatment	$ -	$ -
I15-600108	SAC-Wittkop 2 Water Treatment Plant	$ 24,897.11	$ 471,426.53
I15-600115	NOR-Standby Generator Improvement Program (2024-2026)	$ 181,384.33	$ 181,384.25
I15-670001	HILL-PSPS Generator Improvements-Hillview	$ -	$ -
I15-600111	NOR-Main Replacement Program (2024-2026)	$ 331,058.38	$ 331,058.19
I15-670002	HILL-New Coarsegold Iron & Manganese WTP	$ -	$ -
I15-670003	HILL-New Goldside Iron-Manganese WTP	$ 123,999.26	$ -
--	Contingency Only	$ 912,135.92	$ 824,027.88
--	Previously Funded Projects	$ 339,748.82	$ -
TOTAL		$ 3,230,112.29	$ 3,294,096.99

Att. Table 1-11: Constants Used in Revenue Requirement Calculations[269]

[269] Cal Am RO model file "ALL_CH02_SE_RO," tab: "OUT_NTG Multiplier." Cal Am RO model file "ALL_CH02_SE_RO," tab: "SDC_RevReq."

Item	2022	2023	2024	2025
Net to Gross (NTG)	1.4317	1.43169	1.432773471	1.432772446
Rate of Return (ROR)	7.61%	7.61%	7.61%	7.61%

Att. Table 1-12: I15-670004 – Revenue Requirement Calculation

Direct Project Cost[270]

Year	Cal Am	Cal Advocates
2024	$ 471,960	$185,067.34
2025	$ 471,960	$185,067.34

Depreciation Expense[271]

PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
330200	Ground Level Tanks	1.66%

Year	Cal Am	Cal Advocates
2024	$ 7,825.93	$3,068.75
2025	$ 7,825.93	$3,068.75

Revenue Requirement Calculation

	2024		2025	
Item	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=ROR*NTG*Direct	$ 51,459.72	$ 20,178.64	$ 51,459.68	$ 20,178.63
Additional O&M	$ -	$ 2,479.69	$ -	$ 2,479.69
Depreciation	$ 7,825.93	$ 3,068.75	$ 7,825.93	$3,068.75
Revenue Requirement	$ 59,285.65	$ 25,727.08	$ 59,285.61	$25,727.06

	2024	2025
Δ Revenue Requirement	$ 33,558.57	$ 33,558.55

Att. Table 1-13: I15-670005 – Revenue Requirement Calculation

Direct Project Cost[272]

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[270] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[271] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Year	Cal Am	Cal Advocates
2024	$ 1,096,640	$327,318.75
2025	$ 1,096,640	$327,318.75

Depreciation Expense[273]

PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
330200	Ground Level Tanks	1.66%

Year	Cal Am	Cal Advocates
2024	$ 18,184.24	$5,427.53
2025	$ 18,184.24	$5,427.53

Revenue Requirement Calculation

	2024		2025	
Item	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=ROR*NTG*Direct	$ 119,571.11	$ 35,688.89	$ 119,571.03	$ 35,688.87
Additional O&M	$ -	$ 29,480.73	$ -	$ 29,480.73
Depreciation	$ 18,184.24	$ 5,427.53	$ 18,184.24	$ 5,427.53
Revenue Requirement	$ 137,755.35	$ 70,597.15	$ 137,755.27	$ 70,597.12

	2024	2025
Δ Revenue Requirement	$ 67,158.20	$ 67,158.14

Att. Table 1-14: I15-660006 – Revenue Requirement Calculation

Direct Project Cost[274]

2024	2025
$ 1,288,000	$ 2,760,000

Depreciation Expense[275]

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[272] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[273] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

[274] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[275] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
307000	Wells & Springs	90%	2.67%
311200	Pump Eqp Electric	10%	3.58%

Year	PowerPlant Sub Acct	PowerPlant Sub Account Description	Depr Exp
2024	307000	Wells & Springs	$ 30,899.58
2024	311200	Pump Eqp Electric	$ 4,607.16
2025	307000	Wells & Springs	$ 66,213.40
2025	311200	Pump Eqp Electric	$ 9,872.48
2024 TOTAL			$ 35,506.74
2025 TOTAL			$ 76,085.88

Revenue Requirement Calculation

Item	2024	2025
=ROR*NTG*Amount	$ 140,435.87	$ 300,933.79
Additional O&M	$ -	$ -
Depreciation	$ 35,506.74	$ 76,085.88
Revenue Requirement	$ 175,942.62	$ 377,019.67

Att. Table 1-15: I15-660002 – Revenue Requirement Calculation

Direct Project Cost[276]

Year	Cal Am	Cal Advocates
2023	$ 7,360,000	$ 3,595,120.37
2024	$ 6,523,720	$ 3,706,569.10
2025	$ 5,658,000	$ 3,818,507.49

Depreciation Expense[277]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	2023	2024 2025
1560-331200	TD Mains 6in to 8in	90%	1.73%	1.98%
1560-333000	Services	5%	2.41%	2.83%
1560-335000	Hydrants	5%	2.29%	2.57%

[276] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[277] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Year	PowerPlant Sub Acct	PowerPlant Sub Account Description	Cal Am	Cal Advocates
2023	1560-331200	TD Mains 6in to 8in	$ 114,361.90	$ 55,862.07
2023	1560-333000	Services	$ 8,872.76	$ 4,334.05
2023	1560-335000	Hydrants	$ 8,435.47	$ 4,120.45
2024	1560-331200	TD Mains 6in to 8in	$ 116,098.99	$ 65,963.73
2024	1560-333000	Services	$ 9,235.14	$ 5,247.11
2024	1560-335000	Hydrants	$ 8,374.89	$ 4,758.34
2025	1560-331200	TD Mains 6in to 8in	$ 100,692.25	$ 67,955.84
2025	1560-333000	Services	$ 8,009.61	$ 5,405.58
2025	1560-335000	Hydrants	$ 7,263.51	$ 4,902.05
2023 TOTAL			$ 131,670.13	$ 64,316.57
2024 TOTAL			$ 133,709.02	$ 75,969.19
2025 TOTAL			$ 115,965.37	$ 78,263.46

Revenue Requirement Calculation

	2023		2024		2025	
Item	Cal Am	Cal Advocates	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=ROR*NTG*Direct	$ 801,883.84	$ 391,694.15	$ 711,307.69	$ 404,142.28	$ 616,914.28	$ 416,347.08
Additional O&M	$ -	$ -	$ -	$ -	$ -	$ -
Depreciation	$ 131,670.13	$ 64,316.57	$ 133,709.02	$ 75,969.19	$ 115,965.37	$ 78,263.46
Revenue Requirement	$ 933,553.97	$ 456,010.72	$ 845,016.70	$ 480,111.47	$ 732,879.65	$ 494,610.54

	2023	2024	2025
Δ Revenue Requirement	$ 477,543.25	$ 364,905.23	$ 238,269.11

Att. Table 1-16: I15-600116 – Direct Project Cost

Direct Project Cost[278]

Year	Cal Am	Cal Advocates
2024	$ 1,472,000	$ 394,677.01
2025	$ 2,024,000	$ 406,596.25

Depreciation Expense[279]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1560-330000	Dist Reservoirs & Standpipes	100%	1.62%

[278] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[279] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Year	Cal Am	Cal Advocates
2024	$ 23,861.59	$ 6,397.84
2025	$ 32,809.69	$ 6,591.06

Revenue Requirement Calculation

	2024		2025	
Item	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=ROR*NTG* Direct	$ 160,498.14	$ 43,033.24	$ 220,684.78	$ 44,332.81
Additional O&M	$ -	$ -	$ -	$ -
Depreciation	$ 23,861.59	$ 6,397.84	$ 32,809.69	$ 6,591.06
Revenue Requirement	$ 184,359.73	$ 49,431.08	$ 253,494.47	$ 50,923.86

	2024	2025
Δ Revenue Requirement	$ 134,928.65	$ 202,570.61

Att. Table 1-17: I15-600113 – Revenue Requirement Calculation

Direct Project Cost[280]

Year	Cal Am	Cal Advocates
2024	$ 11,868,000	$ 7,912,000
2025	$ 12,466,000	$ 8,310,666.67

Depreciation Expense[281]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1560-307000	Wells & Springs	90%	2.67%
1560-311200	Pump Eqp Electric	10%	3.58%

Year	PowerPlant Sub Acct	PowerPlant Sub Account Description	Cal Am	Cal Advocates
2024	1560-307000	Wells & Springs	$ 284,717.60	$ 189,811.73
2024	1560-311200	Pump Eqp Electric	$ 42,451.69	$ 28,301.12
2025	1560-307000	Wells & Springs	$ 299,063.84	$ 199,375.89
2025	1560-311200	Pump Eqp Electric	$ 44,590.72	$ 29,727.15
2024 TOTAL			$ 327,169.29	$ 218,112.86
2025 TOTAL			$ 343,654.56	$ 229,103.04

[280] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[281] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Revenue Requirement Calculation

Item	2024 Cal Am	2024 Cal Advocates	2025	2025
=NTG*ROR*Amount	$ 1,294,016.24	$ 862,677.49	$ 1,359,217.63	$ 906,145.09
Depreciation Expense	$ 327,169.29	$ 218,112.86	$ 343,654.56	$ 229,103.04
Add O&M	$ -	$ -	$ -	$ -
Revenue Requirement	$ 1,621,185.52	$ 1,080,790.35	$ 1,702,872.19	$ 1,135,248.13

	2024	2025
Δ Revenue Requirement	$ 540,395.17	$ 567,624.06

Att. Table 1-18: I15-600110 – Direct Project Cost

Direct Project Cost[282]

Year	Cal Am	Cal Advocates
2022	$ 460,000	$ -
2023	$ 4,968,000	$ 1,770,445
2024	$ 552,000	$ 552,000

Depreciation Expense[283]

PowerPlant Sub Acct	PowerPlant Sub Account	PowerPlant Sub Acct %	Depr Rates 2022-2023	Depr Rates 2024
1560-307000	Wells & Springs	50%	3.01%	2.67%
1560-320100	WT Equip Non-Media	50%	2.35%	2.63%

[282] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[283] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Year	PowerPlant Sub Acct	PowerPlant Sub Account	Depr Exp Cal Am	Depr Exp Cal Advocates
2022	1560-307000	Wells & Springs	$ 6,927.74	$ -
2022	1560-320100	WT Equip Non-Media	$ 5,413.45	$ -
2023	1560-307000	Wells & Springs	$ 74,819.55	$ 26,663.42
2023	1560-320100	WT Equip Non-Media	$ 58,465.31	$ 20,835.27
2024	1560-307000	Wells & Springs	$ 7,357.04	$ 7,357.04
2024	1560-320100	WT Equip Non-Media	$ 7,252.27	$ 7,252.27
2022 TOTAL			$ 12,341.19	$ -
2023 TOTAL			$ 133,284.86	$ 47,498.69
2024 TOTAL			$ 14,609.31	$ 14,609.31

Revenue Requirement Calculation

Item	2022 Cal Am	2022 Cal Advocates	2023 Cal Am	2023 Cal Advocates	2024 Cal Am	2024 Cal Advocates
=ROR*NTG*Direct	$ 50,118.09	$ -	$ 541,271.59	$ 192,892.80	$ 60,186.80	$ 60,186.80
Additional O&M	$ -	$ -	$ -	$ -	$ -	$ -
Depreciation	$ 12,341.19	$ -	$ 133,284.86	$ 47,498.69	$ 14,609.31	$ 14,609.31
Revenue Requirement	$ 62,459.28	$ -	$ 674,556.45	$ 240,391.49	$ 74,796.11	$ 74,796.11

	2022	2023	2024
Δ Revenue Requirement	$ 62,459.28	$ 434,164.96	$ -

Att. Table 1-19: I15-600108 – Revenue Requirement Calculation

Direct Project Cost[284]

2024	2025
$ 184,000	$ 3,484,040

Depreciation Expense[285]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1560-320100	WT Equip Non-Media	100%	2.63%

[284] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[285] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Revenue Requirement Calculation

Item	2024	2025
=ROR*NTG*Direct	$ 20,062.27	$ 379,878.76
Additional O&M	$ -	$ -
Depreciation	$ 4,834.84	$ 91,547.77
Revenue Requirement	$ 24,897.11	$ 471,426.53

	2024	2025
Δ Revenue Requirement	$ 24,897.11	$ 471,426.53

Att. Table 1-20: I15-600115 – Revenue Requirement Calculation

Direct Project Cost[286]

2024	2025
$ 1,104,000	$ 1,104,000

Depreciation Expense[287]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1560-310000	Power Generation Equip	100%	5.53%

2024	2025
$ 61,010.73	$ 61,010.73

Revenue Requirement Calculation

Revised	2024	2025
=ROR*NTG*Amount	$ 120,373.60	$ 120,373.52
Additional O&M	$ -	$ -
Depreciation	$ 61,010.73	$ 61,010.73
Revenue Requirement	$ 181,384.33	$ 181,384.25

	2024	2025
Δ Revenue Requirement	$ 181,384.33	$ 181,384.25

Att. Table 1-21: I15-670001 – Revenue Requirement Calculation

Direct Project Cost[288]

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[286] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[287] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

[288] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

2023
$ 690,000

Depreciation Expense[289]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1560-310000	Power Generation Equip	100%	4.06%

2023
$ 27,982

Revenue Requirement Calculation

Item	2023
=NTG*ROR*Amount	$ 75,176.61
Depreciation Expense	$ 27,981.51
Add O&M	$ -
Revenue Requirement	$ 103,158.13

	2023
Δ Revenue Requirement	$ 103,158.13

Att. Table 1-22: I15-600111 – Revenue Requirement Calculation

Direct Project Cost[290]

Year	Cal Am	Cal Advocates
2024	$ 4,600,000	$ 2,064,616.67
2025	$ 4,600,000	$ 2,064,616.67

Depreciation Expense[291]

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[289] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

[290] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[291] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1560-331200	TD Mains 6in to 8in	90%	1.98%
1560-333000	Services	5%	2.83%
1560-335000	Hydrants	5%	2.57%

Year	PowerPlant Sub Acct	PowerPlant Sub Account Description	Cal Am	Cal Advocates
2024	1560-331200	TD Mains 6in to 8in	$ 81,863.62	$ 36,742.83
2024	1560-333000	Services	$ 6,511.88	$ 2,922.72
2024	1560-335000	Hydrants	$ 5,905.29	$ 2,650.47
2025	1560-331200	TD Mains 6in to 8in	$ 81,863.62	$ 36,742.83
2025	1560-333000	Services	$ 6,511.88	$ 2,922.72
2025	1560-335000	Hydrants	$ 5,905.29	$ 2,650.47
2024 TOTAL			$ 94,280.79	$ 42,316.02
2025 TOTAL			$ 94,280.79	$ 42,316.02

Revenue Requirement Calculation

	2024		2025	
Item	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=NTG*ROR*Amount	$ 501,556.68	$ 225,113.54	$ 501,556.32	$ 225,113.38
Depreciation Expense	$ 94,280.79	$ 39,665.55	$ 94,280.79	$ 39,665.55
Add O&M	$ -	$ -	$ -	$ -
Revenue Requirement	$ 595,837.47	$ 264,779.09	$ 595,837.11	$ 264,778.93

	2024	2025
Δ Revenue Requirement	$ 331,058.38	$ 331,058.19

Att. Table 1-23: Hillview Iron and Manganese WTP Projects – Revenue Requirement Calculation

Direct Project Cost[292]

	2022		2023		2024	
Project ID	Cal Am	Cal Advocates	Cal Am	Cal Advocates	Cal Am	Cal Advocates
I15-670002	$ 1,380,000	$ 1,095,000	$ 2,300,000	$ 1,825,000	$ -	$ -
I15-670003	$ 460,000	$ 154,531.25	$ 1,840,000	$ 618,125	$ 1,380,000	$ 463,593.75

Depreciation Expense[293]

[292] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

PID	PowerPlant Sub Account Description	Unique Identifier	PowerPlant Subaccount %	Depreciation Rate 2022-2023	Depreciation Rate 2024
I15-670002	WT Equip Non-Media	1560-320100	100%	2.35%	2.63%
I15-670003	WT Equip Non-Media	1560-320100	100%	2.35%	2.63%

Project ID	2022 Cal Am	2022 Cal Advocates	2023 Cal Am	2023 Cal Advocates	2024 Cal Am	2024 Cal Advocates
I15-670002	$ 32,480.73	$ 25,772.75	$ 54,134.55	$ 42,954.59	$ -	$ -
I15-670003	$ 10,826.91	$ 3,637.16	$ 43,307.64	$ 14,548.66	$ 36,261.33	$ 12,181.54

Revenue Requirement Calculation

I15-670002

Item	2022		2023		2024	
Proposed	Cal Am	Cal Advocates	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=NTG*ROR*Amount	$ 150,354.27	$ 119,302.85	$ 250,588.70	$ 198,836.69	$ -	$ -
Depreciation Expense	$ 32,480.73	$ 25,772.75	$ 54,134.55	$ 42,954.59	$ -	$ -
Add O&M	$ -	$ -	$ -	$ -	$ -	$ -
Revenue Requirement	$ 182,835.00	$ 145,075.60	$ 304,723.25	$ 241,791.27	$ -	$ -

I15-670003

Item	2022		2023		2024	
Proposed	Cal Am	Cal Advocates	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=NTG*ROR*Amount	$ 50,118.09	$ 16,836.55	$ 200,470.96	$ 67,345.71	$ 150,466.97	$ 50,547.50
Depreciation Expense	$ 10,826.91	$ 3,637.16	$ 43,307.64	$ 14,548.66	$ 36,261.33	$ 12,181.54
Add O&M	$ -	$ -	$ -	$ -	$ -	$ -
Revenue Requirement	$ 60,945.00	$ 20,473.71	$ 243,778.60	$ 81,894.37	$ 186,728.29	$ 62,729.04

Δ Revenue Requirement			
Project ID	2022	2023	2024
I15-670002	$ 37,759.40	$ 62,931.98	$ -
I15-670003	$ 40,471.29	$ 161,884.23	$ 123,999.26

Att. Table 1-24: Project Contingency Only – Revenue Requirement Calculation

Project Contingency Amount

Refer to Attachment 1-10.

Depreciation Expense[294]

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[293] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

[294] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Project Number	Project Description	PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	2024 Contingency	2025 Contingency	Depr Rate	Depr Exp 2024	Depr Exp 2025
I15600103	SAC-Suburban Rosemont Hydraulic Improvements	1560-331200	TD Mains 6in to 8in	100%	$ 395,646	$ -	1.98%	$ 7,823.43	$ -
I15600104	SAC-Security Park Booster Pump Project	1560-304200	Struct & Imp-Pumping	20%	$ -	$ -	3.04%	$ -	$ -
I15600104	SAC-Security Park Booster Pump Project	1560-311200	Pump Eqp Electric	80%	$ -	$ -	3.58%	$ -	$ -
I15600106	SAC-Isleton Storage Tank	1560-330200	Ground Level Tanks	100%	$ 27,600	$ 207,000	1.66%	$ 457.66	$ 3,432.43
I15600108	SAC-Wittkop 2 Water Treatment Plant	1560-320100	WT Equip Non-Media	100%	$ 27,600	$ 522,606	2.63%	$ 725.23	$ 13,732.16
I15600109	SAC-Vintage 1 Treatment	1560-320100	WT Equip Non-Media	100%	$ 34,500	$ 322,506	2.63%	$ 906.53	$ 8,474.27
I15600110	SAC-Malaga Well Replacement and TCP	1560-307000	Wells & Springs	50%	$ 82,800	$ -	2.67%	$ 1,103.56	$ -
I15600110	SAC-Malaga Well Replacement and TCP	1560-320100	WT Equip Non-Media	50%	$ 82,800	$ -	2.63%	$ 1,087.84	$ -
I15600111	NOR-Main Replacement Program (2024-2026)	1560-331200	TD Mains 6in to 8in	90%	$ 690,000	$ 690,000	1.98%	$ 12,279.54	$ 12,279.54
I15600111	NOR-Main Replacement Program (2024-2026)	1560-333000	Services	5%	$ 690,000	$ 690,000	2.83%	$ 976.78	$ 976.78
I15600111	NOR-Main Replacement Program (2024-2026)	1560-335000	Hydrants	5%	$ 690,000	$ 690,000	2.57%	$ 885.79	$ 885.79
I15600113	NOR-Well Installation and Replacement Program (2024-	1560-307000	Wells & Springs	90%	$ 1,780,200	$ 1,869,900	2.67%	$ 42,707.64	$ 44,859.58
I15600113	NOR-Well Installation and Replacement Program (2024-	1560-311200	Pump Eqp Electric	10%	$ 1,780,200	$ 1,869,900	3.58%	$ 6,367.75	$ 6,688.61
I15600114	NOR-Well Rehabilitation Program (2024-2026)	1560-307000	Wells & Springs	90%	$ 386,400	$ 386,400	2.67%	$ 9,269.88	$ 1,029.99
I15600114	NOR-Well Rehabilitation Program (2024-2026)	1560-311200	Pump Eqp Electric	10%	$ 386,400	$ 386,400	3.58%	$ 1,382.15	$ 1,382.15
I15600115	NOR-Standby Generator Improvement Program (2024-2026)	1560-310000	Power Generation Equip	100%	$ 165,600	$ 165,600	5.53%	$ 9,151.61	$ 9,151.61
I15600116	SAC-Service Saddle Replacement Program (2024-	1560-330000	Dist Reservoirs & Standpipes	100%	$ 220,800	$ 303,600	1.62%	$ 3,579.24	$ 4,921.45
I15660002	FRV-Fruitridge Vista Mains Improvement Program	1560-331200	TD Mains 6in to 8in	90%	$ 978,558	$ 848,700	1.98%	$ 17,414.85	$ 15,103.84
I15660002	FRV-Fruitridge Vista Mains Improvement Program	1560-333000	Services	5%	$ 978,558	$ 848,700	1.62%	$ 793.14	$ 687.88
I15660002	FRV-Fruitridge Vista Mains Improvement Program	1560-335000	Hydrants	5%	$ 978,558	$ 848,700	2.57%	$ 1,256.23	$ 1,089.53
I15660004	FRV-South Highway 99 Crossing	1560-331300	TD Mains 10in to 16in	100%	$ 34,500	$ 110,400	1.98%	$ 682.40	$ 2,183.68
I15660005	FRV-Well Rehabilitation Program (2024-2026)	1560-307000	Wells & Springs	90%	$ 69,000	$ 69,000	2.67%	$ 1,655.33	$ 1,655.33
I15660005	FRV-Well Rehabilitation Program (2024-2026)	1560-311200	Pump Eqp Electric	10%	$ 69,000	$ 69,000	3.58%	$ 246.81	$ 246.81
I15660006	FRV-Well Replacement and Installation Program (2024-	1560-307000	Wells & Springs	90%	$ 193,200	$ 414,000	2.67%	$ 4,634.94	$ 9,932.01
I15660006	FRV-Well Replacement and Installation Program (2024-	1560-311200	Pump Eqp Electric	10%	$ 193,200	$ 414,000	3.58%	$ 691.07	$ 1,480.87
I15670003	HILL-New Goldside Iron-Manganese WTP	1560-320100	WT Equip Non-Media	100%	$ 69,000	$ -	2.63%	$ 1,813.07	$ -
I15670004	HILL-Hillview Tank Rehab Program (2024-2026)	1560-330200	Ground Level Tanks	100%	$ 70,794	$ 70,794	1.66%	$ 1,173.89	$ 1,173.89
I15670005	HILL-Hillview Tank Replacement Program (2024-	1560-330200	Ground Level Tanks	100%	$ 164,496	$ 164,496	1.66%	$ 2,727.64	$ 2,727.64
I15670006	HILL-Hillview Pump Station Rehabilitation Program (2024-	1560-304200	Struct & Imp-Pumping	20%	$ -	$ 69,000	3.04%	$ -	$ 420.15
I15670006	HILL-Hillview Pump Station Rehabilitation Program (2024-	1560-311200	Pump Eqp Electric	80%	$ -	$ 69,000	3.58%	$ -	$ 1,974.50
I15860001	BASS-Bass Lake Flat Rate to Metered Conversion	1560-334100	Meters	100%	$ 700,350	$ -	5.72%	$ 40,074.36	$ -
TOTAL					$ 6,789,324	$ 6,214,002		$ 171,868.35	$ 146,490.50

Revenue Requirement Calculation

Item	2024	2025
=ROR*NTG*Contingency	$ 740,267.57	$ 677,537.39
Additional O&M	$ -	$ -
Depreciation	$ 171,868.35	$ 146,490.50
Revenue Requirement	$ 912,135.92	$ 824,027.88

Att. Table 1-25: Project Previously Funded in Rates but are not Providing a Benefit to Ratepayers Scheduled to be Completed 2024 or Later – Revenue Requirement Calculation

Direct Project Cost[295]

Project Description	Direct Cost			
	2022	2023	2024	2025
SAC-Suburban Rosemont Hydraulic Improvements	$ 138,000	$ 138,000	$ 2,637,640	$ -

Depreciation Expense[296]

PowerPlant Subaccount	PowerPlant Subaccount Description	PowerPlant Subaccount %	Depr Rate	
			2022-2023	2024
1560-331200	TD Mains 6in to 8in	100%	1.73%	1.98%

2022	2023	2024
$ 2,382.54	$ 2,382.54	$ 52,156.22

Revenue Requirement Calculation

[295] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[296] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Item	2022	2023	2024
=ROR*NTG*Direct	$ 15,035.43	$ 15,035.32	$ 287,592.60
Additional O&M	$ -	$ -	$ -
Depreciation	$ 2,383	$ 2,383	$ 52,156
Revenue Requirement	$ 17,417.97	$ 17,417.86	$ 339,748.82

Attachment 2-1: Capital Budget Details – Larkfield District

Att. Table 2-1: 2024 Capital Budget Details – Larkfield District[297]

2024	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
1	I15-610024	LRK-PSPS Power Storage Project	$ -	$ -	$ -	N/A
2	I15-610025	LRK-Main Replacement Program (2024-2026)	$ 1,012,000	$ 1,012,000	$ -	100%
3	I15-610026	LRK-SCADA Master Plan and Improvements Program (2024-2026)	$ 230,000	$ 230,000	$ -	100%
4	I15-610027	LRK-Tank Rehabilitation and Seismic Upgrades Program (2024-2026)	$ 128,467	$ 253,000	$ 124,533	51%
5	I15-610028	LRK-Well Rehabilitation and Maintenance Program (2024-2026)	$ 66,664	$ 138,000	$ 71,336	48%
6	I15-610029	LRK-Larkfield Generator Installations	$ -	$ 230,000	$ 230,000	0%
7	I15-610030	LRK-WTP Treatment Upgrades	$ -	$ 690,000	$ 690,000	0%
Specifics Total			**$ 1,437,130**	**$ 2,553,000**	**$ 1,115,870**	**56%**
Recurring Project Total			**$ 310,058**	**$ 310,058**	**$ -**	**100%**
Projects Previously Funded but not yet Complete			**$ -**	**$ 690,000**	**$ 690,000**	**0%**
TOTAL 2024			**$ 1,747,188**	**$ 3,553,058**	**$ 1,805,870**	**49%**

[297] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." The project costs listed are direct project costs.

Att. Table 2-2: 2025 Capital Budget Details – Larkfield District[298]

2025	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
1	I15-610025	LRK-Main Replacement Program (2024-2026)	$ 1,012,000	$ 1,012,000	$ -	100%
2	I15-610026	LRK-SCADA Master Plan and Improvements Program (2024-2026)	$ 230,000	$ 230,000	$ -	100%
3	I15-610027	LRK-Tank Rehabilitation and Seismic Upgrades Program (2024-2026)	$ 128,467	$ 253,000	$ 124,533	51%
4	I15-610028	LRK-Well Rehabilitation and Maintenance Program (2024-2026)	$ 66,664	$ 138,000	$ 71,336	48%
Specifics Total			**$ 1,437,130**	**$ 1,633,000**	**$ 195,870**	**88%**
Recurring Project Total			**$ 324,894**	**$ 324,894**	**$ -**	**100%**
Projects Previously Funded but not yet Complete			**$ -**	**$ 690,000**	**$ 690,000**	**0%**
TOTAL 2025			**$ 1,762,024**	**$ 2,647,894**	**$ 885,870**	**67%**

[298] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." The project costs listed are direct project costs.

Attachment 2-2: I15-610028 – Direct Project Cost

Att. Table 2-3: I15-610028 – Direct Project Cost[299]

Item	Value				Total Cost	
Construction Costs	Cal Am	Cal Advocates	Units	Unit Cost	Cal Am	Cal Advocates
Well Testing and Rehabilitation	4	2	ea	$ 85,000	$ 340,000	$ 170,000
Hydropneumatic Tank and Pipe Replacement	2	2	ea	$ 48,000	$ 96,000	$ 96,000
Subtotal					$ 436,000	$ 266,000
Design and Design Services During Construction	13%				$ 57,000	$ 34,775.23
Permitting	2%				$ 9,000	$ 5,490.83
Environmental Compliance and Mitigation	4%				$ 17,000	$ 10,371.56
Construction Management	8%				$ 35,000	$ 21,353.21
Subtotal					$ 118,000	$ 71,990.83
Total					$ 554,000	$ 337,990.83

Total	$ 337,990.83
2023 Budget	$ 138,000
2024-2026 Budget	$ 199,990.83
Annual Budget	$ 66,663.61

[299] Cal Am Engineering Workpaper, Tab 007 at 3.

Attachment 2-3: I15-610027 – Direct Project Cost

Att. Table 2-4: I15-610027 – Direct Project Cost

Capitalized Tank Improvements[300]

Tank	Cost
Lower Wikiup 1	$59,000
Lower Wikiup 2	$53,000
Upper Wikiup 2	$32,000
North Wikiup 1	$69,000
North Wikiup 2	$39,000
Engineering (15%)	$37,800
Inspection (10%)	$25,200
Construction Management (10%)	$25,200
Overhead (10%)	$25,200
TOTAL	$365,400

Summary[301]

				Capital Cost	
Item	Value	Units	Unit Cost	Cal Am	Cal Advocates
North Wikiup Tank #1	1	ea	$ 10,000	$ 10,000	$ -
North Wikiup Tank #2	1	ea	$ 10,000	$ 10,000	$ -
Lower Wikiup Tank #1	1	ea	$ 10,000	$ 10,000	$ -
Lower Wikiup Tank #2	1	ea	$ 10,000	$ 10,000	$ -
Upper Wikiup Tank #2	1	ea	$ 10,000	$ 10,000	$ -
Tank Condition Assessment Rehabilitation					
North Wikiup Tank #2	1	LS	$ 148,400	$ 148,400	
Lower Wikiup Tank #1	1	LS	$ 604,800	$ 604,800	$ 365,400
Tank Seismic Assessments	5	ea	$ 30,000	$ 150,000	$ -
Tank Seismic Enhancements	1	LS	$ 250,000	$ 250,000	$ 250,000
Total				$ 1,203,200	$ 615,400

Total Capital (2023-2026)	$ 615,400
2023 Budget	$ 230,000
Total Capital (2024-2026)	$ 385,400
Annual Budget	$ 128,466.67

[300] Cal Am Response to Public Advocates Office Data Request JMI-007 (Larkfield Tanks), Attachment JMI-007 Q001 Attachment 6 – CA AW Larkfield District Revised Cost Estimates.

[301] Cal Am Engineering Workpaper, Tab 6 at 1-15.

Attachment 2-4: 2024-2025 Funding Related to Project Contingency – Larkfield District

Att. Table 2-5: 2024-2025 Funding Related to Project Contingency – Larkfield District[302]

Project ID	Project Description	2024	2025
I15610021	LRK-Storage Tank at Water Treatment Plant	$ 103,500	$ 103,500
I15610025	LRK-Main Replacement Program (2024-2026)	$ 151,800	$ 151,800
I15610027	LRK-Tank Rehabilitation and Seismic Upgrades Program (2024-2026)	$ 37,950	$ 37,950
I15610028	LRK-Well Rehabilitation and Maintenance	$ 20,700	$ 20,700
I15610029	LRK-Larkfield Generator Installations	$ 11,500	$ -
I15610030	LRK-WTP Treatment Upgrades	$ 103,500	$ -

[302] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Contingency By Project WS-6."

Attachment 2-5: Larkfield District – Revenue Requirement Calculation

Att. Table 2-6: Revenue Requirement Calculation Summary – Larkfield District

Project ID	Project Description	Δ Revenue Requirement (Direct Costs) (Cal Am - Cal Advocates) 2024	2025
I15-610028	LRK-Well Rehabilitation and Maintenance Program (2024-2026)	$ 9,170.47	$ 9,170.46
I15-610027	LRK-Tank Rehabilitation and Seismic Upgrades Program (2024-2026)	$ 15,627.72	$ 15,627.71
I15-610029	LRK-Larkfield Generator Installations	$ 36,117.10	$ -
I15-610030	LRK-WTP Treatment Upgrades	$ 94,614.64	$ -
--	Contingency Only	$ 56,125.53	$ 40,127.45
--	Previously Funded Projects	$ 86,588.28	$ 86,588.34
TOTAL		$ 298,243.73	$ 151,513.96

Att. Table 2-7: Constants Used in Revenue Requirement Calculations[303]

Item	2022	2023	2024	2025
NTG	1.4317	1.43169	1.432773471	1.432774642
ROR	7.61%	7.61%	7.61%	7.61%

Att. Table 2-8: I15-610028 – Revenue Requirement Calculation

Direct Project Cost[304]

Year	Cal Am	Cal Advocates
2024	$ 138,000	$ 66,664
2025	$ 138,000	$ 66,664

Depreciation Expense[305]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1561-307000	Wells & Springs	90%	1.88%
1561-311200	Pump Eqp Electric	10%	2.59%

[303] Cal Am RO model file "ALL_CH02_SE_RO," tab: "OUT_NTG Multiplier." Cal Am RO model file "ALL_CH02_SE_RO," tab: "SDC_RevReq."

[304] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[305] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Year	PowerPlant Sub Acct	PowerPlant Sub Account	Depr Exp	
			Cal Am	Cal Advocates
2024	1561-307000	Wells & Springs	$ 2,336.02	$ 1,128.46
2024	1561-311200	Pump Eqp Electric	$ 357.53	$ 172.71
2025	1561-307000	Wells & Springs	$ 2,336.02	$ 1,128.46
2025	1561-311200	Pump Eqp Electric	$ 357.53	$ 172.71
2024 TOTAL			$ 2,693.54	$ 1,301.17
2025 TOTAL			$ 2,693.54	$ 1,301.17

Revenue Requirement Calculation

Item	2024		2025	
	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=ROR*NTG*Direct	$ 15,046.70	$ 7,268.60	$ 15,046.69	$ 7,268.60
Additional O&M	$ -	$ -	$ -	$ -
Depreciation	$ 2,693.54	$ 1,301.17	$ 2,693.54	$ 1,301.17
Revenue Requirement	$ 17,740.24	$ 8,569.77	$ 17,740.23	$ 8,569.77

	2024	2025
Δ Revenue Requirement	$ 9,170.47	$ 9,170.46

Att. Table 2-9: I15-610027 – Revenue Requirement Calculation

Direct Project Cost[306]

Year	Cal Am	Cal Advocates
2024	$ 253,000	$ 128,466.67
2025	$ 253,000	$ 128,466.67

Depreciation Expense[307]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1561-330200	Ground Level Tanks	100%	1.65%

Year	Cal Am	Cal Advocates
2024	$ 4,163.42	$ 2,114.07
2025	$ 4,163.42	$ 2,114.07

Revenue Requirement Calculation

[306] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[307] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Item	2024		2025	
	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=ROR*NTG*Direct	$ 27,585.62	$ 14,007.24	$ 27,585.60	$ 14,007.23
Additional O&M	$ -	$ -	$ -	$ -
Depreciation	$ 4,163.42	$ 2,114.07	$ 4,163.42	$ 2,114.07
Revenue Requirement	$ 31,749.03	$ 16,121.32	$ 31,749.01	$ 16,121.31

	2024	2025
Δ Revenue Requirement	$ 15,627.72	$ 15,627.71

Att. Table 2-10: I15-610029 – Revenue Requirement Calculation

Direct Project Cost[308]

2024
$ 230,000

Depreciation Expense[309]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1561-310000	Power Generation Equip	100%	4.80%

2024
$ 11,039.27

Revenue Requirement Calculation

Item	2024
=ROR*NTG*Direct	$ 25,077.83
Additional O&M	$ -
Depreciation	$ 11,039.27
Revenue Requirement	$ 36,117.10

	2024
Δ Revenue Requirement	$ 36,117.10

Att. Table 2-11: I15-610030 – Revenue Requirement Calculation

Direct Project Cost[310]

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[308] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[309] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

2024
$ 690,000

Depreciation Expense[311]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1561-320100	WT Equip Non-Media	100%	2.81%

2024
$ 19,381

Revenue Requirement Calculation

Item	2024
=ROR*NTG*Direct	$ 75,233.50
Additional O&M	$ -
Depreciation	$ 19,381
Revenue Requirement	$ 94,614.64

Att. Table 2-12: Project Contingency Only – Revenue Requirement Calculation

Project Contingency Amount

Refer to Attachment 2-4.

Depreciation Expense[312]

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[310] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[311] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

[312] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Project Number	Project Description	PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	2024	2025	Depr Rate	Depr Exp 2024	Depr Exp 2025
I15610021	LRK-Storage Tank at Water Treatment Plant	1561-330200	Ground Level Tanks	100%	$ 103,500	$ 103,500	1.65%	$ 1,703.22	$ 1,703.22
I15610025	LRK-Main Replacement Program (2024-2026)	1561-331200	TD Mains 6in to 8in	90%	$ 151,800	$ 151,800	1.86%	$ 2,546.06	$ 2,546.06
I15610025	LRK-Main Replacement Program (2024-2026)	1561-333000	Services	5%	$ 151,800	$ 151,800	5.63%	$ 427.29	$ 427.29
I15610025	LRK-Main Replacement Program (2024-2026)	1561-335000	Hydrants	5%	$ 151,800	$ 151,800	2.52%	$ 191.12	$ 191.12
I15610027	LRK-Tank Rehabilitation and Seismic Upgrades Program (2024-2026)	1561-330200	Ground Level Tanks	100%	$ 37,950	$ 37,950	1.65%	$ 624.51	$ 624.51
I15610028	LRK-Well Rehabilitation and Maintenance Program (2024-2026)	1561-307000	Wells & Springs	90%	$ 20,700	$ 20,700	1.88%	$ 350.40	$ 350.40
I15610028	LRK-Well Rehabilitation and Maintenance Program (2024-2026)	1561-311200	Pump Eqp Electric	10%	$ 20,700	$ 20,700	2.59%	$ 53.63	$ 53.63
I15610029	LRK-Larkfield Generator Installations	1561-310000	Power Generation Equip	100%	$ 11,500	$ -	4.80%	$ 551.96	$ -
I15610030	LRK-WTP Treatment Upgrades	1561-320100	WT Equip Non-Media	100%	$ 103,500	$ -	2.81%	$ 2,907.17	$ -
TOTAL					$ 428,950	$ 313,950		$ 9,355.37	$ 5,896.23

Revenue Requirement Calculation

Item	2024	2025
=ROR*NTG*Contingency	$ 46,770.16	$ 34,231.22
Additional O&M	$ -	$ -
Depreciation	$ 9,355.37	$ 5,896.23
Revenue Requirement	$ 56,125.53	$ 40,127.45

Att. Table 2-13: Project Previously Funded in Rates but are not Providing a Benefit to Ratepayers Scheduled to be Completed 2024 or Later – Revenue Requirement Calculation

Direct Project Cost[313]

Project ID	Project Description	Direct Cost 2022	2023	2024	2025
I15610021	LRK-Storage Tank at Water Treatment Plant	$ 184,000	$ 460,000	$ 690,000	$ 690,000

Depreciation Expense[314]

[313] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[314] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

PowerPlant Subaccount	PowerPlant Subaccount Description	PowerPlant Subaccount %	Depr Rate	
			2022-2023	2024-2025
1561-330200	Ground Level Tanks	100%	2.74%	1.65%

2022	2023	2024	2025
$ 5,044	$ 12,611	$ 11,355	$ 11,355

Revenue Requirement Calculation

Item	2022	2023	2024	2025
=ROR*NTG*Direct	$ 20,047.24	$ 50,117.74	$ 75,233.50	$ 75,234
Additional O&M	$ -	$ -	$ -	$ -
Depreciation	$ 5,044	$ 12,611	$ 11,355	$ 11,355
Revenue Requirement	$ 25,091.51	$ 62,728.41	$ 86,588.28	$ 86,588

Attachment 3-1: Capital Budget Details – Monterey District

Att. Table 3-1: 2024 Capital Budget Details – Monterey District[315]

2024	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
1	I15-400130	MRY-Carmel Woods #1 and #2 Tank Replacement	$ -	$ 184,000	$ 184,000	0%
2	I15-400153	MRY-Eardley-Forest Lake Transmission Main Replacement	$ -	$ 92,000	$ 92,000	0%
3	I15-400154	MRY-BIRP Soundwall	$ 92,000	$ 92,000	$ -	100%
4	I15-400155	MRY-Carmel Valley Transmission Main Improvement	$ -	$ 230,000	$ 230,000	0%
5	I15-400156	MRY-Los Padres Dam Facilities Improvements	$ 92,000	$ 92,000	$ -	100%
6	I15-400157	MRY-Main Replacement Program (2024-2026)	$ 3,764,640	$ 3,764,640	$ -	100%
7	I15-400158	MRY-Fire Protection Program (2024-2026)	$ 331,200	$ 331,200	$ -	100%
8	I15-400159	MRY-Pump Station Rehabilitation Program (2024-2026)	$ 846,400	$ 846,400	$ -	100%
9	I15-400160	MRY-SCADA Maintenance and Improvements Program (2024-2026)	$ 7,048	$ 552,000	$ 544,952	1%
10	I15-400161	MRY-Tank Rehabilitation Program (2024-2026)	$ 199,833	$ 1,380,000	$ 1,180,167	14%
11	I15-400162	MRY-Well Rehabilitation Program (2024-2026)	$ 1,840,000	$ 1,840,000	$ -	100%

[315] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." The project costs listed are direct project costs.

2024	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
12	I15-400163	MRY-Standby Generator Improvement Program (2024-2026)	$ -	$ 345,000	$ 345,000	0%
13	I15-400164	MRY-Well Installation and Replacement Program (2024-2026)	$ 1,288,000	$ 1,288,000	$ -	100%
14	I15-400165	MRY-Tank Installation and Replacement Program (2024-2026)	$ 858,667	$ 1,288,000	$ 429,333	67%
Specifics Total			**$ 9,319,788**	**$ 12,325,240**	**$ 3,005,452**	**76%**
Recurring Project Total			**$ 5,053,932**	**$ 5,053,932**	**$ -**	**100%**
Projects Previously Funded but not yet Complete			**$ -**	**$ 4,646,000**	**$ 4,646,000**	**0%**
TOTAL 2024			**$ 14,373,720**	**$ 22,025,172**	**$ 7,651,452**	**65%**

Att. Table 3-2: 2025 Capital Budget Details – Monterey District[316]

2025	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
1	I15-400130	MRY-Carmel Woods #1 and #2 Tank Replacement	$ -	$ 1,104,000	$ 1,104,000	0%
2	I15-400142	MRY-Ralph Lane Interconnect	$ 322,000	$ 322,000	$ -	100%
3	I15-400153	MRY-Eardley-Forest Lake Transmission Main Replacement	$ -	$ 92,000	$ 92,000	0%
4	I15-400154	MRY-BIRP Soundwall	$ 184,000	$ 184,000	$ -	100%

[316] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." The project costs listed are direct project costs.

2025	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
5	I15-400155	MRY-Carmel Valley Transmission Main Improvement	$ -	$ 230,000	$ 230,000	0%
6	I15-400156	MRY-Los Padres Dam Facilities Improvements	$ 92,000	$ 92,000	$ -	100%
7	I15-400157	MRY-Main Replacement Program (2024-2026)	$ 4,278,000	$ 4,278,000	$ -	100%
8	I15-400158	MRY-Fire Protection Program (2024-2026)	$ 331,200	$ 331,200	$ -	100%
9	I15-400159	MRY-Pump Station Rehabilitation Program (2024-2026)	$ 846,400	$ 846,400	$ -	100%
10	I15-400160	MRY-SCADA Maintenance and Improvements Program (2024-2026)	$ -	$ 552,000	$ 552,000	0%
11	I15-400161	MRY-Tank Rehabilitation Program (2024-2026)	$ 199,833	$ 1,380,000	$ 1,180,167	14%
12	I15-400162	MRY-Well Rehabilitation Program (2024-2026)	$ 1,380,000	$ 1,380,000	$ -	100%
13	I15-400163	MRY-Standby Generator Improvement Program (2024-2026)	$ -	$ 345,000	$ 345,000	0%
14	I15-400164	MRY-Well Installation and Replacement Program (2024-2026)	$ 1,288,000	$ 1,288,000	$ -	100%
15	I15-400165	MRY-Tank Installation and Replacement Program (2024-2026)	$ 858,667	$ 1,288,000	$ 429,333	67%
Specifics Total			**$ 9,780,100**	**$ 13,712,600**	**$ 3,932,500**	**71%**
Recurring Project Total			**$ 5,280,091**	**$ 5,280,091**	**$ -**	**100%**
Projects Previously Funded but not yet Complete			**$ -**	**$ 4,140,000**	**$ 4,140,000**	**0%**
TOTAL 2025			**$ 15,060,191**	**$ 23,132,691**	**$ 8,072,500**	**65%**

Attachment 3-2: I15-400161 – Direct Project Cost

Att. Table 3-3: I15-400161 – Direct Project Cost[317]

	Estimated Cost	
Project Name	Cal Am	Cal Advocates
Tank Inspections	$ 74,400	$ -
Forest Lake Tank #1	$ 1,117,200	$ 118,500
Aguajito #2	$ 334,200	$ 56,500
Upper Middle Canyon	$ 394,000	$ 63,000
Ord Grove	$ 943,200	$ 41,000
Country Club Heights	$ 505,000	$ 87,000
Rio Vista #1	$ 531,000	$ 65,500
Rio Vista #2	$ 340,000	$ 108,000
Rio Vista #3	$ 261,000	$ 60,000
Total	$ 4,500,000	$ 599,500
Annual Budget	$ 1,500,000	$ 199,833.33

[317] Cal Am Engineering Workpaper, Tab 73 at 4. Cal Am Response to Public Advocates Office Data Request JMI-006 (Tank Programs - Central), JMI-006 Q001 Attachment 1 Redacted at 19, Attachment 2 Redacted at 17, Attachment 3 Redacted at 16, Attachment 4 Redacted at 20, Attachment 5 Redacted at 18, Attachment 6 Redacted at 17, Attachment 7 Redacted at 19, Attachment 8 Redacted at 16.

Project Name	Capitalized Improvements	Contingency Items	Capitalized Improvements - Contingency Item	Source
Forest Lake Tank #1	$ 203,500	$ 85,000	$ 118,500	CAW Response Cal Adv JMI 06 Q1 Attachment 01 Redacted
Aguajito #2	$ 76,500	$ 20,000	$ 56,500	CAW Response Cal Adv JMI 06 Q1 Attachment 02 Redacted
Upper Middle Canyon	$ 88,000	$ 25,000	$ 63,000	CAW Response Cal Adv JMI 06 Q1 Attachment 03 Redacted
Ord Grove	$ 166,000	$ 125,000	$ 41,000	CAW Response Cal Adv JMI 06 Q1 Attachment 04 Redacted
Country Club Heights	$ 112,000	$ 25,000	$ 87,000	CAW Response Cal Adv JMI 06 Q1 Attachment 05 Redacted
Rio Vista #1	$ 95,500	$ 30,000	$ 65,500	CAW Response Cal Adv JMI 06 Q1 Attachment 06 Redacted
Rio Vista #2	$ 153,000	$ 45,000	$ 108,000	CAW Response Cal Adv JMI 06 Q1 Attachment 07 Redacted
Rio Vista #3	$ 78,000	$ 18,000	$ 60,000	CAW Response Cal Adv JMI 06 Q1 Attachment 08 Redacted

Attachment 3-3: I15-400160 – 2024-2025 SCADA New Installation and Replacement Costs

Att. Table 3-4: I15-400160 – 2024-2025 SCADA New Installation and Replacement Costs

Year	2024		2025	
Item	New Installation	Replacement	New Installation	Replacement
PLC	$ -	$ -	$ -	$ -
Radio	$ -	$ 4,316.27	$ -	$ -
Flowmeter	$ -	$ 2,731.82	$ -	$ -
Level Sensor - Tank	$ -	$ -	$ -	$ -
Level Sensor - Well	$ -	$ -	$ -	$ -
Level Sensor - Discharge	$ -	$ -	$ -	$ -
Level Sensor - Suction	$ -	$ -	$ -	$ -
Chem Analyzer - pH	$ -	$ -	$ -	$ -
Chem Analyzer - Chlorine	$ -	$ -	$ -	$ -
Chem Analyzer - Fluoride	$ -	$ -	$ -	$ -
Antennae	$ -	$ -	$ -	$ -
Computers	$ -	$ -	$ -	$ -
Enclosure	$ -	$ -	$ -	$ -
TOTAL	$ -	$ 7,048.09	$ -	$ -

Attachment 3-4: 2024-2025 Funding Related to Project Contingency – Monterey District

Att. Table 3-5: 2024-2025 Funding Related to Project Contingency – Monterey District[318]

Project ID	Project Description	2024	2025
I15400109	MRY-Los Padres Dam Facilities Improvements	$ 27,600	$ -
I15400122	MRY-Los Padres Dam NMFS MOA Requirements	$ 69,000	$ 69,000
I15400130	MRY-Carmel Woods #1 and #2 Tank Replacement	$ 27,600	$ 165,600
I15400133	MRY-Phase 2 BIRP Improvements	$ 110,400	
I15400136	MRY-Ambler Water Treatment Solids Residual Handling	$ 75,900	$ -
I15400137	MRY-Del Rey Regulating Station	$ 138,000	$ 69,000
I15400138	MRY-Rancho Fiesta Tanks and Pump Station	$ 69,000	$ 138,000
I15400141	MRY-New Carmel Valley Well	$ 138,000	$ 138,000
I15400142	MRY-Ralph Lane Interconnect		$ 16,100
I15400152	MRY-Los Padres Dam Outlet Modifications	$ 138,000	$ -
I15400153	MRY-Eardley-Forest Lake Transmission Main Replacement	$ 13,800	$ 13,800
I15400154	MRY-BIRP Soundwall	$ 13,800	$ 27,600
I15400155	MRY-Carmel Valley Transmission Main Improvement	$ 34,500	$ 34,500
I15400156	MRY-Los Padres Dam Facilities Improvements	$ 13,800	$ 13,800
I15400157	MRY-Main Replacement Program (2024-2026)	$ 564,696	$ 641,700
I15400158	MRY-Fire Protection Program (2024-2026)	$ 49,680	$ 49,680
I15400159	MRY-Pump Station Rehabilitation Program (2024-2026)	$ 126,960	$ 126,960
I15400161	MRY-Tank Rehabilitation Program (2024-2026)	$ 207,000	$ 207,000
I15400162	MRY-Well Rehabilitation Program (2024-2026)	$ 276,000	$ 207,000
I15400163	MRY-Standby Generator Improvement Program (2024-2026)	$ 51,750	$ 51,750
I15400164	MRY-Well Installation and Replacement Program (2024-2026)	$ 193,200	$ 193,200
I15400165	MRY-Tank Installation and Replacement Program (2024-2026)	$ 193,200	$ 193,200

[318] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Contingency By Project WS-6."

Attachment 3-5: Projects Previously Funded in Rates but not Providing a Benefit to Ratepayers until 2024 or Later – Monterey District

Att. Table 3-6: Projects Previously Funded in Rates but not Providing a Benefit to Ratepayers until 2024 or Later – Monterey District[319]

Project ID	Project Description	Direct Cost			
		2022	2023	2024	2025
I15-400133	MRY-Phase 2 BIRP Improvements	$ 460,000	$ 1,288,000	$ 736,000	$ -
I15-400138	MRY-Rancho Fiesta Tanks and Pump Station	$ 138,000	$ 570,400	$ 460,000	$ 920,000
I15-400109	MRY-Los Padres Dam Facilities Improvements	$ 46,000	$ -	$ 184,000	$ -
I15-400122	MRY-Los Padres Dam NMFS MOA Requirements	$ 632,500	$ 1,288,000	$ 460,000	$ 460,000
I15400137	MRY-Del Rey Regulating Station	$ 138,000	$ 294,400	$ 920,000	$ 460,000
I15400097	MRY-Interconnect RR, HH, Bishop	$ 644,000	$ 404,800	$ 460,000	$ 1,380,000
I15-400136	MRY-Ambler Water Treatment Solids Residual Handling	$ 322,000	$ 386,400	$ 506,000	$ -
I15-400141	MRY-New Carmel Valley Well	$ 460,000	$ 460,000	$ 920,000	$ 920,000

[319] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

Attachment 3-6: Monterey District – Revenue Requirement Calculation

Att. Table 3-7: Revenue Requirement Calculation Summary – Monterey District

Project ID	Project Description	Δ Revenue Requirement (Direct Costs) (Cal Am - Cal Advocates) 2024	2025
I15-400161	MRY-Tank Rehabilitation Program (2024-2026)	$ 148,278.08	$ 148,277.85
I15-400130	MRY-Carmel Woods #1 and #2 Tank Replacement	$ 23,118.06	$ 138,708.16
I15-400165	MRY-Tank Installation and Replacement Program (2024-2026)	$ 53,942.15	$ 53,942.06
I15-400153	MRY-Eardley-Forest Lake Transmission Main Replacement	$ 11,832.61	$ 11,832.59
I15-400155	MRY-Carmel Valley Transmission Main Improvement	$ 29,581.53	$ 29,581.48
I15-400160	MRY-SCADA Maintenance and Improvements Program (2024-2026)	$ 114,818.57	$ 116,303.46
I15-400163	MRY-Standby Generator Improvement Program (2024-2026)	$ 56,816.51	$ 56,816.44
--	Contingency Only	$ 332,498.47	$ 308,533.60
--	Previously Funded Projects	$ 605,754.81	$ 533,902.14
TOTAL		$ 1,376,640.78	$ 1,397,897.78

Att. Table 3-8: Constants Used in Revenue Requirement Calculations[320]

Item	2022	2023	2024	2025
NTG	1.4317	1.43169	1.43277311	1.432770566
ROR	7.61%	7.61%	7.61%	7.61%

Att. Table 3-9: I15-400161 – Revenue Requirement Calculation

Direct Project Cost[321]

Year	Cal Am	Cal Advocates
2024	$ 1,380,000	$199,833.33
2025	$ 1,380,000	$199,833.33

Depreciation Expense[322]

[320] Cal Am RO model file "ALL_CH02_SE_RO," tab: "OUT_NTG Multiplier." Cal Am RO model file "ALL_CH02_SE_RO," tab: "SDC_RevReq."

[321] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[322] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1540-330200	Ground Level Tanks	100%	1.66%

Year	Cal Am	Cal Advocates
2024	$ 22,918.50	$3,318.75
2025	$ 22,918.50	$3,318.75

Revenue Requirement

	2024		2025	
Item	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=ROR*NTG*Direct	$ 150,466.97	$ 21,788.63	$ 150,466.70	$21,788.60
Additional O&M	$ -	$ -	$ -	$ -
Depreciation	$ 22,918.50	$ 3,318.75	$ 22,918.50	$3,318.75
Revenue Requirement	$ 173,385.47	$ 25,107.39	$ 173,385.20	$25,107.35

	2024	2025
Δ Revenue Requirement	$ 148,278.08	$ 148,277.85

Att. Table 3-10: I15-400130 – Revenue Requirement Calculation

Direct Project Cost[323]

2023	2024	2025
$ 184,000	$ 184,000	$ 1,104,000

Depreciation Expense[324]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates	
			2023	2024/2025
Ground Level Tanks	1540-330200	100%	2.46%	1.66%

2023	2024	2025
$4,528.48	$ 3,055.80	$ 18,334.80

Revenue Requirement

[323] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[324] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Item	2023	2024	2025
=ROR*NTG*Direct	$ 20,047.10	$ 20,062.26	$ 120,373.36
Additional O&M	$ -	$ -	$ -
Depreciation	$ 4,528.48	$ 3,055.80	$ 18,334.80
Revenue Requirement	$ 24,575.58	$ 23,118.06	$ 138,708.16

Att. Table 3-11: I15-400165 – Revenue Requirement Calculation

Direct Project Cost[325]

Year	Cal Am	Cal Advocates
2024	$ 1,288,000	$ 858,666.67
2025	$ 1,288,000	$ 858,666.67

Depreciation Expense[326]

PowerPlant Sub Account Description	Unique Identifier	PowerPlant Subaccount %	Depreciation Rate
Ground Level Tanks	1540-330200	100%	1.66%

Year	Cal Am	Cal Advocates
2024	$ 21,390.60	$ 14,260.40
2025	$ 21,390.60	$ 14,260.40

Revenue Requirement

Item	2024		2025	
Proposed	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=NTG*ROR*Amount	$140,435.84	$ 93,623.89	$ 140,435.59	$ 93,623.72
Depreciation Expense	$ 21,390.60	$ 14,260.40	$ 21,390.60	$ 14,260.40
Add O&M	$ -	$ -	$ -	$ -
Revenue Requirement	$161,826.44	$ 107,884.29	$ 161,826.19	$ 107,884.12

	2024	2025
Δ Revenue Requirement	$ 53,942.15	$ 53,942.06

Att. Table 3-12: Multi Rate Case Cycle Main Replacement Projects – Revenue Requirement Calculation

Direct Project Cost[327]

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[325] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[326] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

[327] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

Project Description	PID	2024	2025
MRY-Eardley-Forest Lake Transmission Main Replacement	I15-400153	$ 92,000	$ 92,000
MRY-Carmel Valley Transmission Main Improvement	I15-400155	$ 230,000	$ 230,000

Depreciation Expense[328]

PID	PowerPlant Sub Account Description	Unique Identifier	PowerPlant Subaccount %	Depreciation Rate
I15-400153	TD Mains 10in to 16in	1540-331300	100%	1.96%
I15-400155	TD Mains 10in to 16in	1540-331300	100%	1.96%

Project ID	2024	2025
I15-400153	$ 1,801.48	$ 1,801.48
I15-400155	$ 4,503.70	$ 4,503.70

Revenue Requirement

I15-400153

Item	2024	2025
=NTG*ROR*Amount	$ 10,031.13	$ 10,031.11
Depreciation Expense	$ 1,801.48	$ 1,801.48
Add O&M	$ -	$ -
Revenue Requirement	$ 11,832.61	$ 11,832.59

I15-400155

Item	2024	2025
=NTG*ROR*Amount	$ 25,077.83	$ 25,077.78
Depreciation Expense	$ 4,503.70	$ 4,503.70
Add O&M	$ -	$ -
Revenue Requirement	$ 29,581.53	$ 29,581.48

Att. Table 3-13: I15-400160 – Revenue Requirement Calculation

Direct Project Cost[329]

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328 Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

329 Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

Year	Cal Am	Cal Advocates
2024	$ 552,000	$ 7,048.09
2025	$ 552,000	$ -

Depreciation Expense[330]

PowerPlant Sub Account Description	Unique Identifier	PowerPlant Subaccount %	Depreciation Rate
Remote Control & Instrument	1540-346190	100%	10.17%

Year	Cal Am	Cal Advocates
2024	$ 56,116.78	$ 716.51
2025	$ 56,116.78	$ -

Revenue Requirement

Item	2024		2025	
Proposed	Cal Am	Cal Advocates	Cal Am	Cal Advocates
=NTG*ROR*Amount	$ 60,186.79	$ 768.48	$ 60,186.68	$ -
Depreciation Expense	$ 56,116.78	$ 716.51	$ 56,116.78	$ -
Add O&M	$ -	$ -	$ -	$ -
Revenue Requirement	$116,303.56	$ 1,485.00	$ 116,303.46	$ -

	2024	2025
Δ Revenue Requirement	$114,818.57	$ 116,303.46

Att. Table 3-14: I15-400163 – Revenue Requirement Calculation

Direct Project Cost[331]

2024	2025
$ 345,000	$ 345,000

Depreciation Expense[332]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1540-310000	Power Generation Equip	100%	5.57%

[330] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

[331] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[332] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

2024	2025
$ 19,199.77	$ 19,199.77

Revenue Requirement

Item	2024	2025
=ROR*NTG*Direct	$ 37,616.74	$ 37,616.67
Additional O&M	$ -	$ -
Depreciation	$ 19,199.77	$ 19,199.77
Revenue Requirement	$ 56,816.51	$ 56,816.44

Att. Table 3-15: Project Contingency Only – Revenue Requirement Calculation

Project Contingency Amount

Refer to Attachment 3-4

Depreciation Expense[333]

[333] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Project Number	Project Description	PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	2024	2025	Depr Rate	Depr Exp 2024	Depr Exp 2025
I15400109	MRY-Los Padres Dam Facilities Improvements	1540-304100	Struct & Imp-Supply	100%	$ 27,600	$ -	2.33%	$ 643.90	$ -
I15400122	MRY-Los Padres Dam NMFS MOA Requirements	1540-330000	Dist Reservoirs & Standpipes	100%	$ 69,000	$ 69,000	1.64%	$ 1,130.70	$ 1,130.70
I15400130	MRY-Carmel Woods #1 and #2 Tank Replacement	1540-330200	Ground Level Tanks	100%	$ 27,600	$ 165,600	1.66%	$ 458.37	$ 2,750.22
I15400133	MRY-Phase 2 BIRP Improvements	1540-320100	WT Equip Non-Media	100%	$ 110,400	$ -	2.37%	$ 2,613.46	$ -
I15400136	MRY-Ambler Water Treatment Solids Residual Handling	1540-320100	WT Equip Non-Media	100%	$ 75,900	$ -	2.37%	$ 1,796.75	$ -
I15400137	MRY-Del Rey Regulating Station	1540-331200	TD Mains 6in to 8in	100%	$ 138,000	$ 69,000	1.97%	$ 2,725.46	$ 1,362.73
I15400138	MRY-Rancho Fiesta Tanks and Pump Station	1540-330200	Ground Level Tanks	80%	$ 69,000	$ 138,000	1.66%	$ 916.74	$ 1,833.48
I15400138	MRY-Rancho Fiesta Tanks and Pump Station	1540-331200	TD Mains 6in to 8in	20%	$ 69,000	$ 138,000	1.97%	$ 272.55	$ 545.09
I15400141	MRY-New Carmel Valley Well	1540-307000	Wells & Springs	90%	$ 138,000	$ 138,000	2.28%	$ 2,836.75	$ 2,836.75
I15400141	MRY-New Carmel Valley Well	1540-311200	Pump Eqp Electric	10%	$ 138,000	$ 138,000	4.19%	$ 578.35	$ 578.35
I15400142	MRY-Ralph Lane Interconnect	1540-331200	TD Mains 6in to 8in	100%	$ -	$ 16,100	1.97%	$ -	$ 317.97
I15400152	MRY-Los Padres Dam Outlet Modifications	1540-330000	Dist Reservoirs & Standpipes	100%	$ 138,000	$ -	1.64%	$ 2,261.40	$ -
I15400153	MRY-Eardley-Forest Lake Transmission Main Replacement	1540-331300	TD Mains 10in to 16in	100%	$ 13,800	$ 13,800	1.96%	$ 270.22	$ 270.22
I15400154	MRY-BIRP Soundwall	1540-304300	Struct & Imp-Treatment	100%	$ 13,800	$ 27,600	1.68%	$ 231.37	$ 462.74
I15400155	MRY-Carmel Valley Transmission Main Improvement	1540-331300	TD Mains 10in to 16in	100%	$ 34,500	$ 34,500	1.96%	$ 675.55	$ 675.55
I15400156	MRY-Los Padres Dam Facilities Improvements	1540-330000	Dist Reservoirs & Standpipes	100%	$ 13,800	$ 13,800	1.64%	$ 226.14	$ 226.14
I15400157	MRY-Main Replacement Program (2024-2026)	1540-331200	TD Mains 6in to 8in	90%	$ 564,696	$ 641,700	1.97%	$ 10,037.34	$ 11,406.07
I15400157	MRY-Main Replacement Program (2024-2026)	1540-333000	Services	5%	$ 564,696	$ 641,700	2.87%	$ 810.33	$ 920.82
I15400157	MRY-Main Replacement Program (2024-2026)	1540-335000	Hydrants	5%	$ 564,696	$ 641,700	2.63%	$ 742.36	$ 843.60
I15400158	MRY-Fire Protection Program (2024-2026)	1540-331200	TD Mains 6in to 8in	100%	$ 49,680	$ 49,680	1.97%	$ 981.17	$ 981.17
I15400159	MRY-Pump Station Rehabilitation Program (2024-2026)	1540-304200	Struct & Imp-Pumping	20%	$ 126,960	$ 126,960	3.28%	$ 833.44	$ 833.44
I15400159	MRY-Pump Station Rehabilitation Program (2024-2026)	1540-311200	Pump Eqp Electric	80%	$ 126,960	$ 126,960	4.19%	$ 4,256.69	$ 4,256.69
I15400161	MRY-Tank Rehabilitation Program (2024-2026)	1540-330200	Ground Level Tanks	100%	$ 207,000	$ 207,000	1.66%	$ 3,437.78	$ 3,437.78
I15400162	MRY-Well Rahabilitation Program (2024-2026)	1540-307000	Wells & Springs	90%	$ 276,000	$ 207,000	2.28%	$ 5,673.50	$ 4,255.12
I15400162	MRY-Well Rahabilitation Program (2024-2026)	1540-311200	Pump Eqp Electric	10%	$ 276,000	$ 207,000	4.19%	$ 1,156.71	$ 867.53
I15400163	MRY-Standby Generator Improvement Program (2024-2026)	1540-310000	Power Generation Equip	100%	$ 51,750	$ 51,750	5.57%	$ 2,879.97	$ 2,879.97
I15400164	MRY-Well Installation and Replacement Program (2024-2026)	1540-307000	Wells & Springs	90%	$ 193,200	$ 193,200	2.28%	$ 3,971.45	$ 3,971.45
I15400164	MRY-Well Installation and Replacement Program (2024-2026)	1540-311200	Pump Eqp Electric	10%	$ 193,200	$ 193,200	4.19%	$ 809.70	$ 809.70
I15400165	MRY-Tank Installation and Replacement Program (2024-2026)	1540-330200	Ground Level Tanks	100%	$ 193,200	$ 193,200	1.66%	$ 3,208.59	$ 3,208.59
TOTAL					$ 2,531,886	$ 2,355,890		$ 56,436.73	$ 51,661.86

Revenue Requirement Calculation

Item	2024	2025
=ROR*NTG*Contingency	$ 276,061.74	$ 256,871.73
Additional O&M	$ -	$ -
Depreciation	$ 56,436.73	$ 51,661.86
Revenue Requirement	$ 332,498.47	$ 308,533.60

Att. Table 3-16: Project Previously Funded in Rates but are not Providing a Benefit to Ratepayers Scheduled to be Completed 2024 or Later – Revenue Requirement Calculation

Direct Project Cost

Refer to Attachment 3-5

Depreciation Expense[334]

Project ID	PowerPlant Subaccount	PowerPlant Subaccount Description	PowerPlant Subaccount %	Depr Rate	
				2022-2023	2024-2025
I15-400133	1540-320100	WT Equip Non-Media	100%	2.19%	2.37%
I15-400138	1540-330200	Ground Level Tanks	80%	2.46%	1.66%
I15-400138	1540-331200	TD Mains 6in to 8in	20%	2.17%	1.97%
I15-400109	1540-304100	Struct & Imp-Supply	100%	2.71%	2.33%
I15-400122	1540-330000	Dist Reservoirs & Standpipes	100%	1.92%	1.64%
I15-400137	1540-331200	TD Mains 6in to 8in	100%	2.17%	1.97%
I15-400097	1540-331200	TD Mains 6in to 8in	100%	2.17%	1.97%
I15-400136	1540-320100	WT Equip Non-Media	100%	2.19%	2.37%
I15-400141	1540-307000	Wells & Springs	90%	5.23%	2.28%
I15-400141	1540-311200	Pump Eqp Electric	10%	4.09%	4.19%

[334] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Project ID	PowerPlant Sub Acct	PowerPlant Sub Account Description	2022	2023	2024	2025
I15-400133	1540-320100	WT Equip Non-Media	$ 10,094	$ 28,264	$ 17,423	$ -
I15-400138	1540-330200	Ground Level Tanks	$ 2,717	$ 11,231	$ 6,112	$ 12,223
I15-400138	1540-331200	TD Mains 6in to 8in	$ 600	$ 2,479	$ 1,817	$ 3,634
I15-400109	1540-304100	Struct & Imp-Supply	$ 1,246	$ -	$ 4,293	$ -
I15-400122	1540-330000	Dist Reservoirs & Standpipes	$ 12,172	$ 24,787	$ 7,538	$ 7,538
I15-400137	1540-331200	TD Mains 6in to 8in	$ 2,998	$ 6,396	$ 18,170	$ 9,085
I15-400097	1540-331200	TD Mains 6in to 8in	$ 13,992	$ 8,795	$ 9,085	$ 27,255
I15-400136	1540-320100	WT Equip Non-Media	$ 7,066	$ 8,479	$ 11,978	$ -
I15-400141	1540-307000	Wells & Springs	$ 21,654	$ 21,654	$ 18,912	$ 18,912
I15-400141	1540-311200	Pump Eqp Electric	$ 1,882	$ 1,882	$ 3,856	$ 3,856
TOTAL			$ 74,422	$ 113,968	$ 99,183	$ 82,502

Revenue Requirement Calculation

Item	2022	2023	2024	2025
=ROR*NTG*Direct	$ 309,479.21	$ 511,200.95	$ 506,572.12	$451,400.10
Additional O&M	$ -	$ -	$ -	$ -
Depreciation	$ 74,422.21	$ 113,967.82	$ 99,182.69	$ 82,502.04
Revenue Requirement	$ 383,901.41	$ 625,168.77	$ 605,754.81	$533,902.14

Attachment 4-1: Capital Budget Details – Monterey Wastewater District

Att. Table 4-1: 2024 Capital Budget Details – Monterey Wastewater District[335]

2024	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
1	-	-	$ -	$ -	$ -	N/A
Specifics Total			**$ -**	**$ -**	**$ -**	**N/A**
Recurring Project Total			**$ 393,112**	**$ 393,112**	**$ -**	**100%**
Projects Previously Funded but not yet Complete			**$ -**	**$ -**	**$ -**	**N/A**
TOTAL 2024			**$ 393,112**	**$ 393,112**	**$ -**	**100%**

Att. Table 4-2: 2025 Capital Budget Details – Monterey Wastewater District[336]

2025	Project #	Project Description	Public Advocates Office Recommendation	Cal Am Proposed	Cal Am > Public Advocates Office	Public Advocates Office/ Cal Am
1	-	-	$ -	$ -	$ -	N/A
Specifics Total			**$ -**	**$ -**	**$ -**	**N/A**
Recurring Project Total			**$ 484,566**	**$ 777,197**	**$ 292,631**	**62%**
Projects Previously Funded but not yet Complete			**$ -**	**$ -**	**$ -**	**N/A**
TOTAL 2025			**$ 484,566**	**$ 777,197**	**$ 292,631**	**62%**

[335] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." The project costs listed are direct project costs.

[336] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5." The project costs listed are direct project costs.

Attachment 4-2: Cal Am Response to Public Advocates Office Data Request JMI-018 Q1Attachment 1

District	VIN	Primary Use of Existing Vehicle	Existing Vehicle Year/Make/ Model	Existing Vehicle GVWR	Date Existing Vehicle Purchased	Existing Vehicle Mileage	Date Actual Mileage Recorded	Proposed Replacement Vehicle Year/Make/Mod	Proposed Vehicle GVWR	Proposed Vehicle Primary Use	Proposed Vehicle Direct Cost
Monterey	1GB0CVCG9DF174220	Meter Tech	2013 Chevrolet Silverado 2500	9,001	6/1/2013	124,675	10/1/2022	2024 Ford F-250 w/XL Fleet Hybrid Battery	10,250	Meter Tech	$ 84,825
Monterey	1GB0KUEG6FZ140215	Production Foreman	2015 Chevrolet Silverado 2500	9,990	6/1/2015	99,846	10/1/2022	2024 Ford F-250 w/XL Fleet Hybrid Battery	10,250	Production Foreman	$ 84,825
Sacramento	1GB2CUEG2FZ544599	Water Treatment Operator	2015 Chevrolet Silverado 2500	9,001	6/1/2015	156,657	10/1/2022	2024 Ford F-250 w/XL Fleet Hybrid Battery	10,250	Water Treatment Operator	$ 84,825
Sacramento	1GB0CUEG9GZ236533	Water Treatment Operator	2016 Chevrolet Silverado 2500	9,001	6/1/2016	142,929	10/1/2022	2024 Ford F-250 w/XL Fleet Hybrid Battery	10,250	Water Treatment Operator	$ 84,825
Ventura	1GC3CVBG8AF104052	Distribution Utility Worker	2010 Chevrolet Silverado 2500	9,200	9/29/2009	97,033	10/1/2022	2024 Ford F-250 w/XL Fleet Hybrid Battery	10,250	Distribution Utility Worker	$ 84,825
Bass Lake Acquisition	N/A	Dump Truck	1986 GMC 7000	28,000	6/1/1986	107,605	2/16/2022	2024 Ford F-750 Dump Truck	28,000	Dump Truck	$ 145,900
Sacramento	1GDC4C1E05F514993	Dump Truck - 5 Yard	2005 GMC C4	17,000	9/14/2004	64,170	10/1/2022	2025 Chevrolet Silverado 4500	17,000	Dump Truck	$ 123,897
Sacramento	1GCHG35U161237045	Conservation Rep	2006 GMC Express Cargo Van	9,600	3/20/2006	63,453	10/1/2022	2025 Chevrolet Express 2500 w/XL Fleet Hybrid Battery	9,600	Conservation Rep	$ 60,327
Ventura	1FDLF47G0REA30679	Dump Truck - 4 Yard	1994 Ford F-450 Dump	15,001	7/31/1994	54,945	10/1/2022	2025 F-450 Dump	16,250	Dump Truck	$ 123,897
Monterey	1GB0KUEG4FZ141041	Water Treatment Operator	2015 Chevrolet Silverado 2500	9,990	6/1/2015	99,519	10/1/2022	2025 Ford F-250 w/XL Fleet Hybrid Battery	10,250	Water Treatment Operator	$ 87,369
San Diego	1G1PH5SB9E7430037	Conservation Rep	2014 Chevrolet Cruze	4,321	6/1/2014	48,508	10/1/2022	2025 Toyota Prius	3,701	Conservation Rep	$ 33,645
Los Angeles	1GB0CUEG2FZ139706	Distribution Utility Worker	2014 Chevrolet Silverado 2500	9,001	6/1/2014	87,435	10/1/2022	2025 Ford F-250 w/XL Fleet Hybrid Battery	9,001	Distribution Utility Worker	$ 87,369
Monterey WW	1GB0KUEG2FZ140356	Waste Water Operator	2015 Chevrolet Silverado 2500	9,990	6/1/2015	82,533	10/1/2022	2025 Ford F-250 w/XL Fleet Hybrid Battery	9,990	Waste Water Operator	$ 87,369
Sacramento	1GB0CUEG6GZ232939	Water Treatment Operator	2016 Chevrolet Silverado 2500	9,001	6/1/2016	89,041	10/1/2022	2025 Ford F-250 w/XL Fleet Hybrid Battery	9,001	Water Treatment Operator	$ 87,369
Monterey	1FDUF5GT3GEB06013	Dump Truck - 3 Yard	2016 Ford F-550 Dump	19,500	11/6/2017	61,403	10/1/2022	2026 Ford F-550 Dump	19,500	Dump Truck	$ 131,852
Sacramento	1FVHC5CY5FHGK9456	Dump Truck - 10 Yard	2015 Freightliner M2112	80,000	6/1/2015	48,908	10/1/2022	2026 Freightliner M2112	80,000	Dump Truck	$ 223,000
San Diego	3ALACWDU7EDFL7496	Dump Truck - 5 Yard	2014 Freightliner M2106	26,000	6/1/2014	30,521	10/1/2022	2026 Freightliner M2106	26,000	Dump Truck	$ 131,852
Ventura	1G11A5SA8DF239487	Conservation Rep	2013 Chevrolet Malibu	4,850	6/1/2013	42,709	10/1/2022	2026 RAV4 Hybrid or EV SUV	4,920	Conservation Rep	$ 42,936
Monterey WW	1GB0KUEG5FZ551010	Waste Water Operator	2016 Chevrolet Silverado 2500 4x4	9,990	6/1/2016	59,255	10/1/2022	2026 Ford F-250 4x4 w/XL Fleet Hybrid Battery	9,990	Waste Water Operator	$ 89,990

Attachment 4-3: Cal Am Response to Public Advocates Office Data Request JMI-018 (Vehicles) Q2

California-American Water Company

APPLICATION NO. A.22-07-001
DATA REQUEST RESPONSE

Response Provided By:	**Edward Simon**
Title:	**Director Business Performance**
Address:	**California American Water** **655 W Broadway, Suite 1410** **San Diego CA 92101**
Cal Adv Request:	**A2207001 CAL ADV DATA REQUEST # JMI-18**
Company Number:	**Cal ADV JMI 18 Q002**
Date Received:	**October 21, 2022**
Date Response Due:	**November 4, 2022**
Subject Area:	**Vehicles**

DATA REQUEST:

2. Please provide the following for each new vehicle that Cal Am is proposing to add in this GRC *not* due to replacement of existing vehicles, using the attached Excel file labeled "A2207001 Cal Advocates DR JMI-018 (Vehicles)," tab: "Q2-Additional Vehicles":

a. District Name
b. Year, make, model of proposed additional vehicle
c. Proposed vehicle GVWR
d. Primary use of proposed vehicle
e. Proposed vehicle location (e.g., on-call vs. on location).4
f. If vehicle will be on location, specify which location.
g. Direct cost of proposed vehicle

CAL-AM'S RESPONSE

Cal Am is not proposing to add any new vehicles that are not due to replacement of existing vehicles in this GRC.

Attachment 4-4: Monterey Wastewater District – Revenue Requirement Calculation

Att. Table 4-3: Revenue Requirement Calculation Summary – Monterey Wastewater District

Project ID	Project Description	Δ Revenue Requirement (Direct Costs) (Cal Am - Cal Advocates) 2025
R1542O125	Recurring Project - Vehicles	$ 55,308.57

Att. Table 4-4: Constants Used in Revenue Requirement Calculations[337]

Item	2025
NTG	1.432770566
ROR	7.61%

Att. Table 4-5: R1542O125 – Revenue Requirement Calculation

Direct Project Cost[338]

Year	Cal Am	Cal Advocates
2025	$ 380,000	$ 87,369

Depreciation Expense[339]

PowerPlant Sub Acct	PowerPlant Sub Account Description	PowerPlant Sub Acct %	Depr Rates
1542-391200	WW Trans Equip Hvy Dty Trks	100%	8.00%

Year	Cal Am	Cal Advocates
2025	$ 30,388.84	$ 6,986.95

Revenue Requirement

[337] Cal Am RO model file "ALL_CH02_SE_RO," tab: "OUT_NTG Multiplier." Cal Am RO model file "ALL_CH02_SE_RO," tab: "SDC_RevReq."

[338] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total Direct CAPEX WS-5."

[339] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Y_CALC_Mapping FCST WS-11A." Cal Am RO model file "ALL_CH08_DEPR_RO_Forecast," tab: "Y_Depr Rates WS-3."

Item	2025	
	Cal Am	Cal Advocates
=NTG*ROR*Amount	$ 41,432.86	$ 9,526.18
Depreciation Expense	$ 30,388.84	$ 6,986.95
Add O&M	$ -	$ -
Revenue Requirement	$ 71,821.70	$ 16,513.13

	2025
Δ Revenue Requirement	$ 55,308.57

Attachment 5-1: Capital Budget Details – Deferred Tank Improvements

Att. Table 5-1: Budget Details – Deferred Tank Improvements[340]

San Diego

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
Montgomery	$ -	$ -	$ 144,238	$ 144,238
Total	**$ -**	**$ -**	**$ 144,238**	**$ 144,238**

Monterey

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
Aguajito 2	$ -	$ -	$ 222,000	$ 222,000
Airways, Upper	$ 3,100	$ 3,100	$ -	$ -
Boots	$ -	$ -	$ 3,300	$ 3,300
Boyd	$ 3,300	$ 3,300	$ -	$ -
C.V. Clearwell A	$ -	$ -	$ 3,300	$ 3,300
C.V. Clearwell B	$ -	$ -	$ 3,300	$ 3,300
Carmel Valley Ranch	$ -	$ -	$ 3,300	$ 3,300
Carmel Woods 1	$ 3,300	$ 3,300	$ -	$ -
Carmel Woods 2	$ 3,300	$ 3,300	$ -	$ -
Carola Hydro	$ -	$ -	$ -	$ -
Chualar 1	$ 3,300	$ 3,300	$ -	$ -
Chualar Hydro	$ -	$ -	$ 4,000	$ 4,000
Corral (Middle)	$ -	$ -	$ 3,300	$ 3,300
Corte Cordillera 1	$ 3,300	$ 3,300	$ -	$ -
Corte Cordillera 2	$ 3,300	$ 3,300	$ -	$ -
Corte Cordillera Hydr	$ -	$ -	$ 4,000	$ 4,000
Country Club Heights	$ 3,300	$ 3,300	$ -	$ -
Crest Canyon	$ 3,300	$ 3,300	$ -	$ -
Del Mesa	$ 3,300	$ 3,300	$ -	$ -
Eddy Rd (Vista Hermosa)	$ -	$ -	$ 3,300	$ 3,300
Fairways 1	$ 3,300	$ 3,300	$ -	$ -
Fairways 2	$ 3,300	$ 3,300	$ -	$ -
Fairways 3	$ 3,300	$ 3,300	$ -	$ -

[340] Cal Am RO model file "ALL_CH04_O&M_WP_Def Prog Maint," tab: "REC."

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
Forest Lake 1	$ 2,798,000	$ 2,798,000	$ 3,300	$ 3,300
High Meadows 1	$ -	$ -	$ 3,300	$ 3,300
Hilby Hydro 2	$ 4,000	$ 4,000	$ -	$ -
Huckleberry 2	$ -	$ -	$ 3,300	$ 3,300
Los Tulares, Upper	$ -	$ -	$ 3,300	$ 3,300
Markham, Lower	$ -	$ -	$ 3,300	$ 3,300
Markham, Upper	$ -	$ -	$ 3,300	$ 3,300
Mercurio	$ 3,300	$ 3,300	$ -	$ -
Middle Canyon 2, Lower	$ 3,300	$ 3,300	$ -	$ -
Middle Canyon, Upper	$ -	$ -	$ 223,300	$ 223,300
Ord Grove	$ 3,300	$ 3,300	$ 487,000	$ 487,000
Pebble Beach 1	$ 3,300	$ 3,300	$ -	$ -
Presidio 1	$ -	$ -	$ -	$ -
Quail Meadows	$ 3,300	$ 3,300	$ -	$ -
Ralph Lane Hydro	$ 4,000	$ 4,000	$ -	$ -
Rancho Fiesta, Lower	$ 3,300	$ 3,300	$ -	$ -
Rancho Mar Monte Hydr	$ -	$ -	$ 4,000	$ 4,000
Rio Vista 1	$ -	$ -	$ -	$ -
Rio Vista 2	$ -	$ -	$ -	$ -
Rio Vista 3	$ 3,300	$ 3,300	$ -	$ -
Robles, Upper	$ -	$ -	$ -	$ -
Robles, Lower	$ -	$ -	$ -	$ -
Segunda 1	$ -	$ -	$ -	$ -
Spectacular Bid 2	$ -	$ -	$ -	$ -
Stirrup	$ -	$ -	$ -	$ -
Tierra Grande, Lower	$ -	$ -	$ -	$ -
Tierra Grande, Middle	$ -	$ -	$ -	$ -
Tierra Grande, Upper	$ -	$ -	$ -	$ -
Toyon 1, Lower	$ -	$ -	$ -	$ -
Toyon 1, Upper	$ 3,300	$ 3,300	$ -	$ -
U Estrealla D'oro Hyd	$ 4,000	$ 4,000	$ -	$ -
U Markham Hydro	$ -	$ -	$ -	$ -
U Tierra Grande Hydro	$ -	$ -	$ -	$ -
Withers 3	$ 3,300	$ 3,300	$ -	$ -
Withers 4	$ 3,300	$ 3,300	$ -	$ -
York Road	$ -	$ -	$ -	$ -
Total	**$ 2,885,700**	**$ 2,885,700**	**$ 983,900**	**$ 983,900**

Los Angeles

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
Angeles Mesa	$ -	$ -	$ -	$ -
Bliss Canyon	$ -	$ -	$ 192,480	$ 192,480
Danford	$ -	$ -	$ 2,254	$ 2,254
East Pasadena #1	$ 3,000	$ 3,000	$ -	$ -
East Pasadena #2a	$ 2,500	$ 2,500	$ -	$ -
East Pasadena #2b	$ 2,500	$ 2,500	$ -	$ -
Fish Canyon	$ 2,187	$ 2,187	$ -	$ -
Garth	$ -	$ -	$ -	$ -
High Mesa	$ -	$ -	$ 4,210	$ 4,210
Homeland	$ -	$ -	$ -	$ -
Lamanda	$ -	$ -	$ -	$ -
Lemon	$ -	$ -	$ -	$ -
Mt Vernon	$ -	$ -	$ -	$ -
Mt Vernon Hydro	$ 4,000	$ 4,000	$ -	$ -
Oak Knoll	$ -	$ -	$ 2,630	$ 2,630
Olympiad	$ -	$ -	$ -	$ -
Patton	$ -	$ -	$ 2,415	$ 2,415
Rosemead	$ -	$ -	$ 2,254	$ 2,254
Starpine	$ -	$ -	$ 2,254	$ 2,254
Vinyard	$ 4,480	$ 4,480	$ -	$ -
Total	**$ 18,667**	**$ 18,667**	**$ 208,497**	**$ 208,497**

Ventura

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
Deer Ridge	$ -	$ -	$ 5,000	$ 5,000
Industrial Park 1	$ -	$ -	$ -	$ -
Industrial Park 2	$ -	$ -	$ 5,690	$ 5,690
Janss	$ -	$ -	$ -	$ -
Las Posas #2	$ 4,000	$ 4,000	$ -	$ -
Los Robles #1	$ 3,700	$ 3,700	$ -	$ -
Los Robles #2	$ 3,700	$ 3,700	$ -	$ -

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
Moorpark	$ 4,320	$ 4,320	$ -	$ -
Orbis	$ 4,480	$ 4,480	$ -	$ -
Pace	$ 3,900	$ 3,900	$ -	$ -
Potrero #2	$ -	$ -	$ 4,320	$ 4,320
Rio Plaza Hydro 1	$ 5,000	$ 5,000	$ -	$ -
Rio Plaza Hydro 2	$ 5,000	$ 5,000	$ -	$ -
Wildwood	$ -	$ -	$ 4,640	$ 4,640
Total	**$ 34,100**	**$ 34,100**	**$ 19,650**	**$ 19,650**

Sacramento

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
405,000 Reservoir	$ 4,300	$ 4,300	$ -	$ -
Andrea 2 Hydro	$ -	$ -	$ -	$ -
Briggs Hydro	$ -	$ -	$ 4,000	$ 4,000
Caldera Hydro	$ 4,000	$ 4,000	$ -	$ -
Cedar Ridge	$ 4,300	$ 4,300	$ -	$ -
Century Hydro	$ -	$ -	$ 4,000	$ 4,000
Cherbourg Hydro	$ 4,000	$ 4,000	$ -	$ -
Chett Hydro	$ 4,000	$ 4,000	$ -	$ -
Collg Hydro	$ -	$ -	$ -	$ -
Conrad Hydro	$ -	$ -	$ -	$ -
Contact Reservoir	$ 4,300	$ 4,300	$ -	$ -
Cook Hydro	$ 4,000	$ 4,000	$ -	$ -
Cook Riolo	$ -	$ -	$ -	$ -
Countryside BWT	$ -	$ -	$ -	$ -
Countryside Plant Finished Water	$ -	$ -	$ -	$ -
Daly Hydro	$ -	$ -	$ 4,000	$ 4,000

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
David Hydro	$ -	$ -	$ 4,000	$ 4,000
Dunnigan Hydro 1	$ -	$ -	$ -	$ -
Dunnigan	$ -	$ -	$ -	$ -
Eagle Ridge Hydro	$ -	$ -	$ -	$ -
Fairlake 2 Hydro	$ 4,000	$ 4,000	$ -	$ -
Falls Tank	$ 4,300	$ 4,300	$ -	$ -
Fruitridge BWT Hydro 1	$ 4,000	$ 4,000	$ -	$ -
Fruitridge BWT Hydro 2	$ -	$ -	$ 4,000	$ 4,000
Fruitridge Well 10 Hydro	$ -	$ -	$ -	$ -
Fruitridge Well 17 Hydro	$ 4,000	$ 4,000	$ -	$ -
Fruitridge Well 18 Hydro	$ -	$ -	$ 4,000	$ 4,000
Fruitridge Well 19 Hydro	$ -	$ -	$ -	$ -
Fruitridge Well 4 Hydro	$ 4,000	$ 4,000	$ -	$ -
Fruitridge Well 5 Hydro	$ -	$ -	$ 4,000	$ 4,000
Fruitridge Well 6 Hydro	$ -	$ -	$ -	$ -
Fruitridge Well 9 Hydro	$ 4,000	$ 4,000	$ -	$ -
Goldside Sutt Hydro	$ -	$ -	$ -	$ -
H Line Tank	$ 4,300	$ 4,300	$ -	$ -
Hemlock Hydro	$ -	$ -	$ -	$ -
Hobst Hydro	$ -	$ -	$ -	$ -
Island View TP B	$ -	$ -	$ -	$ -
Island View TP Storage	$ -	$ -	$ -	$ -
Isleton 5th St BWT Supply	$ -	$ -	$ -	$ -
Isleton 5th St BT	$ -	$ -	$ -	$ -
Isleton 5th St Storage	$ -	$ -	$ -	$ -
Isleton H Street Hydro	$ -	$ -	$ 4,000	$ 4,000
Malag Hydro	$ 4,000	$ 4,000	$ -	$ -
Mather	$ -	$ -	$ -	$ -

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
Meadowbrook Well 4 Hydro	$ -	$ -	$ 4,000	$ 4,000
Meadowbrook Well 5 Hydro	$ -	$ -	$ -	$ -
N Loop Hydro	$ 4,000	$ 4,000	$ -	$ -
Oak Forest Hydro	$ 4,000	$ 4,000	$ -	$ -
Oaken Bucket Hydro	$ -	$ -	$ 4,000	$ 4,000
Oxbow 1 Hydro	$ -	$ -	$ -	$ -
Palmerson Hydro	$ -	$ -	$ 4,000	$ 4,000
Parksite 1	$ -	$ -	$ -	$ -
Parksite 2	$ -	$ -	$ -	$ -
Parksite BWT Recovery No. 1	$ -	$ -	$ -	$ -
Pines Tank 1	$ 4,300	$ 4,300	$ -	$ -
Pines Tank 2	$ 4,300	$ 4,300	$ -	$ -
Ptrey Hydro	$ -	$ -	$ -	$ -
Raymond Hydro	$ -	$ -	$ -	$ -
Rhine Hydro	$ -	$ -	$ -	$ -
Ridgeline	$ 4,300	$ 4,300	$ -	$ -
Rockhurst Hydro	$ 4,000	$ 4,000	$ -	$ -
Roseville Hydro	$ -	$ -	$ 4,000	$ 4,000
Rushmore Hydro	$ -	$ -	$ -	$ -
Salmon Hydro	$ 4,000	$ 4,000	$ -	$ -
Shilo Hydro	$ -	$ -	$ -	$ -
Sierra Lake Hydro	$ -	$ -	$ -	$ -
Sky Parkway Hydro	$ -	$ -	$ 4,000	$ 4,000
Southgate Hydro	$ -	$ -	$ 4,000	$ 4,000
Swans Well Hydro	$ -	$ -	$ 4,000	$ 4,000
Tlly Ho 1 Hydro	$ -	$ -	$ 4,000	$ 4,000
Van Maren Hydro	$ 4,000	$ 4,000	$ -	$ -
VH Hydro	$ -	$ -	$ -	$ -
Vintage TP Finished Water	$ 1,281,000	$ 831,000	$ 4,300	$ 4,300
Wagon Hydro	$ 4,000	$ 4,000	$ -	$ -
Walerga Tank	$ -	$ -	$ -	$ -
Walnut Grove Well 1 Hydro	$ 4,000	$ 4,000	$ -	$ -
Watta Hydro	$ -	$ -	$ 4,000	$ 4,000
White Well Hydro	$ -	$ -	$ -	$ -
Wildrose Hydro	$ -	$ -	$ -	$ -
Wyda Hydro	$ -	$ -	$ 4,000	$ 4,000
Total	**$ 1,383,400**	**$ 933,400**	**$ 76,300**	**$ 76,300**

Larkfield

Tank	2024		2025	
	Cal Am Proposed	Public Advocates Office Recommendation	Cal Am Proposed	Public Advocates Office Recommendation
N Wikiup Hydro	$ 4,000	$ 4,000	$ -	$ -
Upper Wikiup Hydro	$ 4,000	$ 4,000	$ -	$ -
Total	**$ 8,000**	**$ 8,000**	**$ -**	**$ -**

Attachment 6-1: Projects Previously Funded in Rates but not Providing a Benefit to Ratepayers until 2024 or Later

Att. Attachment 6-1: Projects Previously Funded by Ratepayers that are Expected to be Completed in 2024 (or Later)[341],[342]

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[341] Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total CAPEX WS-5." Cal Am RO model file "ALL_CH07_PLT_RO_Forecast," tab: "Total CAPEX WS-5" (from A.16-07-002 and A.19-07-004). Cal Am RO model file "RB 100 thru 105-2013 Statewide GRC-Monterey Water," tab: "SCEP Summary" (from A.13-07-002). Cal Am RO model file "RB 100 thru 105-2013 Statewide GRC-Los Angeles," tab: "SCEP Summary" (from A.13-07-002). The project costs shown in Cal Am RO model files "RB 100 thru 105-2013 Statewide GRC-[District Name]," tab: "SCEP Summary" (from A.13-07-002) are total project costs. The direct project costs shown in the A.13-07-002 column was estimated by removing contingency and overhead costs from the total project costs. Engineering Workpaper, Tab 43 at 1. Engineering Workpaper, Tab 69 (from A.13-07-002) at 5. Engineering Workpaper, Tab 38 at 1. Engineering Workpaper, Tab 56 (from A.13-07-002) at 6. Engineering Workpaper, Tab 124 at 3. Engineering Workpaper, Tab 15 (from A.13-07-002) at 11. Engineering Workpaper, Tab 40 (from A.13-07-002) at 5. Engineering Workpaper, Tab 17 at 1. Engineering Workpaper, Tab 22 at 2. Schubert Direct Testimony at 107-108. Direct Testimony of F. Mark Schubert (from A.13-07-002) at 34. Cal Am RO model files "ALL_CH07_PLT_RO_Forecast" do not show the project costs in the attrition years. The direct project costs in the attrition year were estimated by multiplying the project cost during the attrition year (shown in the summary tables in Crooks Direct Testimony) by the ratio of the direct project cost shown in RO model in 2022 and project cost in 2022 (shown in the summary tables in Crooks Direct Testimony).

[342] In the 2016 rate case, Cal Am requested funding for design of the entire pipeline and construction for the first construction phase (30,096 feet) for the Silver Strand 16-inch diameter Transmission Main Replacement project ("Silver Strand Main"). Cal Am states that the total estimated cost for the design of the entire project and the construction of the first project phase is approximately $14,632,000. In the 2016 rate case, Cal Am states that the total estimated cost for the entire pipeline is approximately $23,300,000. In the 2019 rate case, Cal Am stated that it would complete the Silver Strand Main by 2024. In the 2022 rate case, Cal Am states that the Silver Strand Main would be completed by 2028. Cal Am states in this rate case that it plans on spending $16.5 million to replace 16500 feet in 2023-2025 for the Silver Strand Main. In addition, Cal Am plans on spending $21.15 million to replace 21,150 feet in 2026-2028 for the Silver Strand Main and does not specify whether the revised project cost is a direct or total project cost. Cal Am does not specify if the 2023-2028 project cost for the Silver Strand Main is direct or total cost. Cal Am states that the revised project cost for MRY-Interconnect RR, HH, Bishop project is $7,602,601. Cal Am states that the revised project costs for the Rehabilitate/Redrill Longden Well project is $4 million and does not specify whether the revised project cost is a direct or total project cost. Cal Am states that the revised project costs for the LA-Reconstruct Rosemead Operations Center is $13.6 million. Cal Am states that the revised project costs for the MRY-Los Padres Dam NMFS MOA Requirements project ("Los Padres Dam NMFS") is $3.3 million. Cal Am does not specify whether the revised the project cost for the Los Padres Dam NMFS is a direct or total project cost. Cal Am only provides an updated total project cost of $1,777,658 for LA-Duarte - Redrill Santa Fe Well project in A.13-07-002.

			A.10-07-007		A.13-07-002		A.16-07-002		A.19-07-004		A.22-07-001	
Project ID	District	Project Description	Year	Direct Project Cost	Year	Direct Project Cost	Year	Direct Project Cost	Year	Direct Project Cost	Year	Direct Project Cost
I15-600103	Sacramento	SAC-Suburban Rosemont Hydraulic Improvements	n/a	n/a	n/a	n/a	n/a	n/a	2023	$ 3,529,350	2024	$ 2,913,640
I15-610021	Larkfield	LRK-Storage Tank at Water Treatment Plant	n/a	n/a	n/a	n/a	n/a	n/a	2023	$ 2,250,600	2025	$ 2,024,000
I15-400133	Monterey	MRY-Phase 2 BIRP Improvements	n/a	n/a	n/a	n/a	n/a	n/a	2023	$ 2,608,650	2024	$ 2,484,000
I15-400138	Monterey	MRY-Rancho Fiesta Tanks and Pump Station	n/a	n/a	n/a	n/a	n/a	n/a	2023	$ 1,473,120	2025	$ 2,088,400
I15-400109	Monterey	MRY-Los Padres Dam Facilities Improvements	n/a	n/a	n/a	n/a	2018	$ 560,859	2019	$ 430,100	2024	$ 460,000
I15-400122	Monterey	MRY-Los Padres Dam NMFS MOA Requirements	n/a	n/a	n/a	n/a	n/a	n/a	2019	$ 341,275	2026	See footnote
I15400137	Monterey	MRY-Del Rey Regulating Station	n/a	n/a	n/a	n/a	n/a	n/a	2022	$ 260,865	2025	$ 1,812,400
I15400097	Monterey	MRY-Interconnect RR, HH, Bishop	n/a	n/a	2017	$3,110,161	2019	$ 3,411,892	2020	$ 4,693,700	2026	See footnote
I15-400136	Monterey	MRY-Ambler Water Treatment Solids Residual Handling	n/a	n/a	n/a	n/a	n/a	n/a	2023	$662,393	2024	$ 1,214,400
I15-400141	Monterey	MRY-New Carmel Valley Well	n/a	n/a	n/a	n/a	n/a	n/a	2022	$ 1,534,500	2025	$ 2,760,000
I15-300010	San Diego	Silver Strand 16-inch diameter Transmission Main Replacement	n/a	n/a	2017	$ 230,270	2020	See footnote	2024	$ 20,630,000	2028	See footnote
I15-500009 IP-0550-118	Los Angeles	LA-Duarte - Redrill Santa Fe Well	2013	$ 1,121,656	2016	See footnote	2018	$ 1,633,193	2020	$ 1,944,800	2024	$ 1,637,600
I15-500036	Los Angeles	Rehabilitate/Redrill Longden Well	n/a	n/a	2018	$ 3,199,462	2019	$ 3,795,145	2022	$ 3,252,533	2028	See footnote
I15-500060	Los Angeles	LA-Reconstruct Rosemead Operations Ctr	n/a	n/a	n/a	n/a	2020	$ 3,271,677	2021	$ 3,470,720	2026	See footnote