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Commissioner	:	<u>Genevieve Shiroma</u>
Admin. Law Judge	:	<u>Amin Nojan</u>
Public Advocates	:	<u>Chandrika Sharma</u>
Witness		



PUBLIC ADVOCATES OFFICE
CALIFORNIA PUBLIC UTILITIES COMMISSION

**REPORT AND
RECOMMENDATIONS
ON WATER QUALITY (SPECIAL
REQUEST 4) AND CONSTRUCTION-
WORK-IN-PROGRESS**

Los Angeles, California
February 27, 2024

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1 **MEMORANDUM**

2 The Public Advocates Office at the California Public Utilities Commission (Cal
3 Advocates) examined application material, data request responses, and other information
4 presented by Golden State Water Company (GSWC) in Application (A.) 23-08-010 to
5 provide the California Public Utilities Commission (Commission or CPUC) with
6 recommendations in the interests of ratepayers for safe and reliable service at the lowest
7 cost. Mehboob Aslam is Cal Advocates project lead for this proceeding. Victor Chan is
8 the oversight supervisor, and Crystal Yu and Brett Palmer are the legal counsels.

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

1 **CHAPTER 1 WATER QUALITY AND SPECIAL**
2 **REQUEST 4**

3 **I. INTRODUCTION**

4 This chapter presents the analysis and recommendations regarding the water
5 quality of GSWC's water systems.

6 **II. SUMMARY OF RECOMMENDATIONS**

7 The Commission should grant GSWC Special Request #4 and find that all GSWC
8 water systems, except the Robbins system, comply with the applicable water quality
9 standards.

10 **III. ANALYSIS**

11 GSWC has 38 water systems and 37 of them comply with water quality standards.
12 The Robbins system, acquired by GSWC on May 1, 2022, from Sutter County, does not
13 comply because there are contaminants that exceed the primary and secondary maximum
14 contaminant levels (MCL).¹

15 The level of arsenic in the Robbins system is between 13 and 15 micrograms per
16 liter ($\mu\text{g/L}$), which is greater than the permitted primary MCL of 10 $\mu\text{g/L}$. Additionally,
17 the level of chloride, specific conductance, and total dissolved solids (TDS) is higher than
18 the secondary MCL. The chloride level is between 116 and 1280 (milligrams per liter)
19 mg/L, which is higher than the secondary MCL of 500 mg/L. The range for specific
20 conductance is between 3700 and 3800 microsiemens per centimeter ($\mu\text{S/cm}$), which is
21 more than the MCL of 1600 $\mu\text{S/cm}$. The level of TDS exceeds the MCL of 1000 mg/L,
22 with a range of 2400 to 2900 mg/L. GSWC is working to meet the milestones within its
23 Compliance Plan, which includes completing the water treatment design, submitting a
24 Grant Funding Application and agreement, awarding the construction contract,

¹ 2022 Robbins System CCR

1 completing the construction timeline, and meeting the arsenic MCL running annual
2 average. GSWC has a plan to bring the Robbins system into compliance with the arsenic
3 MCL by June 2025.² GSWC has also entered into an Administrative Order on Consent
4 with the United States Environmental Protection Agency to bring the Robbins system
5 arsenic MCL running average into compliance by June 2026 by adhering to the
6 Compliance Plan.^{3,4} However, the arsenic MCL running average may be compliant
7 as early as the first quarter of 2026.⁵

8 The most recent Consumer Confidence reports from 2022 show that all other
9 water systems meet state and federal water requirements. Additionally, there are no
10 outstanding violations based on the Safe Drinking Water Information System (SDWIS)
11 for the Division of Drinking Water (DDW).⁶

12 **A. Violations Since the Last GRC (2020)**

13 Since its last GRC, A.20-07-012, GSWC received three notices of violation for
14 three water systems from the State Water Resources Control Board (SWRCB), which are
15 listed in Table 1-1 below. GSWC provided details about the violations as part of its
16 application and in response to discovery, and Cal Advocates verified this information
17 using the SDWIS and contacting SWRCB engineers.^{7,8,9,10,11,12,13,14}

² Pillai Testimony SR4 SR8 Water Quality – APP page 5

³ Robbins GSW Final AOC - August 2022-Signed

⁴ Email with SWRCB regarding the Robbins system compliance, Attachment 1-1

⁵ Email with GSWC regarding the Robbins system compliance, Attachment 1-2

⁶ <https://sdwis.waterboards.ca.gov/PDWW/>

⁷ MDR Questions and Responses 2023 PA – G Water Quality

⁸ DR CHA-002 Water Quality Response from GSWC (All Questions), Attachment 1-3

⁹ DR CHA-002 Water Quality Response Attachment 1_Q1b_GSWC Directive #6 Ongoing Training Letter from GSWC (Question 1), Attachment 1-4

¹⁰ DR CHA-002 Water Quality Response Attachment 3_Q3a from GSWC (Question 3), Attachment 1-5

¹¹ Email with SWRCB regarding the Norwalk system violation, Attachment 1-6

¹² Email with SWRCB regarding the Claremont system violation, Attachment 1-7

¹³ Email with SWRCB regarding the Wrightwood system violation, Attachment 1-8

¹⁴ DR CHA-012 Water Quality Response from GSWC (Question 1), Attachment 1-9

1 **Table 1-1: Summary of Violations (2020-2022)**

Region	Water System	Violation Name	Year Violation Occurred	Year Compliance Achieved
II	Norwalk - CA1910098	FAILURE TO FOLLOW PERMIT CONDITIONS FOR PFAS MONITORING AT STUDEBAKER WELL 3	2022	2022
III	Claremont - CA1910024	04_07_22C_008: 1,2,3-TRICHLOROPROPANE MONITORING VIOLATION FOR 2020	2020	2022
III	Wrightwood - CA3610047	05_13_23N_001: MONITORING, ROUTINE MAJOR (WRIGHTWOOD)	2022	2023

2

3 **1. Claremont system violation (04_07_22C_008):** In 2020, the Claremont
 4 system failed to collect samples to monitor seven out of the required eight wells for 1,2,3-
 5 Trichloropropane (1,2,3-TCP). GSWC took corrective actions to bring the system into
 6 compliance including collecting and sampling for 1,2,3-TCP, issuing a public notification
 7 to customers served by the Claremont system, submitting a water quality monitoring plan
 8 to SWRCB, and providing water quality monitoring training for its employees. GSWC
 9 collected and analyzed samples and marked the system as compliant in 2022.

10 **2. Wrightwood system violation (05_13_23N_001):** In 2022, the Wrightwood
 11 system failed to collect a sample from a well for nitrate. GSWC took corrective actions
 12 to have the system in compliance including collecting and sampling for nitrate, issuing a
 13 public notification to customers served by the Wrightwood system, and including this
 14 violation in its 2022 Consumer Confidence Report (CCR). GSWC collected and
 15 analyzed samples and marked the system as compliant in 2023.

16 **3. Norwalk system violation:** There is no violation number associated with this
 17 notice because SWRCB has not yet established the PFAS standards for drinking water.¹⁵
 18 Since there is no violation number, GSWC did not report it on the SDWIS.¹⁶ In 2022, the
 19 Norwalk system failed to collect a sample for PFAS at the lead and lag effluents. GSWC

¹⁵ DR CHA-002 Water Quality Response from GSWC (Question 3), Attachment 1-10

¹⁶ DR CHA-015 Water Quality and CWIP - All Response from GSWC (Question 1), Attachment 1-11

1 took corrective actions to bring the system into compliance including collecting and
2 sampling for PFAS constituents and providing training on compliance monitoring and
3 sampling requirements to employees. GSWC did not issue public notification to
4 Norwalk system customers because PFAS standards for drinking water have not yet been
5 established. GSWC collected and analyzed samples and marked the system as compliant
6 in 2022.

7 **B. Water Testing and Treatment**

8 Almost 52% of GSWC’s groundwater supply comes from wells located in
9 its service areas; approximately 45% of GSWC’s water is imported, with about
10 43% of groundwater purchased through approved agencies and suppliers; and
11 about 3% of water is from diversion from rivers.¹⁷ GSWC tests its water sources
12 for contaminants on a regular basis and “monitoring frequencies range from
13 weekly to once every 9 years” based on the standards.¹⁸ The distribution system is
14 tested weekly for coliform bacteria contamination and quarterly for disinfection
15 by-products.¹⁹

16 SWRCB has yet to establish the MCL standards for PFAS, however, it has
17 provided notification levels for PFOA, PFOS, PFBS, and PFHxS. GSWC has
18 been sampling its wells as required by the SWRCB, and as of March 2023, an
19 estimated 70 wells were sampled. Out of these 70 wells, 23 wells have exceeded
20 notification levels and 9 wells exceeded response levels. As a result, either the
21 wells have been removed from service or GSWC has begun treatment.²⁰

22 Since the PFAS MCL is not yet finalized, GSWC is requesting to modify
23 its current PFAS Memorandum Account (PFASMA) to include the debt financing
24 costs plus a profit percentage on all capital expenditure effective on the date that a

¹⁷ 2022 Report pages 56 and 57, Attachment 1-12

¹⁸ Title 22 of the California Code of Regulations and per DDW-issued system-permit provisions

¹⁹ Pillai Testimony SR4 SR8 Water Quality – APP pages 2 and 3

²⁰ Pillai Testimony SR4 SR8 Water Quality – APP page 9

1 MCL is established regardless of whether the projects are complete and providing
2 service.²¹ Cal Advocates examines GSWC's proposal to address the existing
3 PFASMA in Cal Advocates' witness, Jawad Baki's report on SR#8 (modification
4 of pfas memorandum account), taxes other than income (ad valorem taxes),
5 income taxes, depreciation, and working cash.

6 IV. CONCLUSION

7 All GSWC's systems, except the Robbins system, meet the applicable water quality
8 standards. GSWC has a plan to bring the Robbins system into compliance with the arsenic
9 MCL running average by June 2026 by adhering to the Compliance Plan.

²¹ Pillai Testimony SR4 SR8 Water Quality – APP pages 10-12

1 **CHAPTER 2 CONSTRUCTION-WORK-IN-**
2 **PROGRESS (Regions I, II, and III Proxy Amount)**

3 **I. INTRODUCTION**

4 This chapter presents the analysis and recommendations regarding the proxy
5 Construction-Work-in-Progress (CWIP) amount of GSWC’s Regions I, II, and III.

6 In McDonough, Sinagra - Vol 1 CWIP Testimony, Appendix 1 and Attachments A
7 to D - APP, GSWC categorizes CWIP projects in 6 categories, with category 4 consisting
8 of subcategories, that are listed in Table 2-1.

9 **Table 2-1: CWIP Categories**

Category Number	Title
1	Blanket Projects
2	New Business Projects
3	Projects Funded by Others
4	Projects Approved in the Previous GRC
4a	Projects with no Change in Budget or Scope
4b	Projects that will be completed after 2023 with no Change in Budget or Scope
4c	Projects that will be completed in the 2020 rate cycle with a Change in Budget or Scope
4d	Projects that will be completed after 2023 with a Change in Budget or Scope
5	Projects Not Approved in a Previous GRC
6	Completed or Cancelled Projects

10
11 The Commission generally allows water utilities to receive profit on an estimated
12 CWIP balance even though the included projects are not yet used and useful. Projects
13 under CWIP should be completed within a reasonable time period of on average 4
14 months according to the Commission’s 1982 memorandum, to be considered CWIP
15 projects.²²

16 GSWC’s CWIP forecast consists of two amounts. The first is the December 31,
17 2022 balance, which is also known as the proxy amount. The proxy amount is carried

²² 1982 Staff Memorandum on CWIP, Attachment 2-1

1 into future years to forecast the CWIP and will be discussed in Chapter 2 for Regions I,
 2 II, and III. Second, there is a CWIP forecasted amount for the years 2023-2026, which
 3 will be discussed in Chapter 3 for Regions I, II, and III and in Chapter 4 for General
 4 Office (GO).

5 **II. SUMMARY OF RECOMMENDATIONS**

6 Cal Advocates recommends the proxy amount of \$20,134,740, \$26,675,881, and
 7 \$25,990,349 for 2024, 2025, and 2026 respectively for all three Regions. A breakdown
 8 of the proxy amount for each Customer Service Area (CSA) is presented in Table 2.2.

9 **Table 2-2: Cal Advocates Recommended Proxy Amount Breakdown Per CSA**

Region	CSA	2024	2025	2026	Total
III	Apple Valley	\$126,120	\$395,286	\$23,744	\$545,150
I	Arden/Cordova	\$1,744,560	\$1,644,394	\$1,696,599	\$5,085,553
III	Barstow	\$710,176	\$1,782,015	\$4,703,483	\$7,195,674
I	Bay Point	\$500,079	\$427,759	\$403,807	\$1,331,645
III	Calipatria	\$169,367	\$1,999,928	\$1,036,744	\$3,206,039
II	Central Basin East	\$2,092,391	\$2,301,503	\$1,408,140	\$5,802,034
II	Central Basin West	\$1,473,565	\$2,707,135	\$1,554,431	\$5,735,131
II	Central District Office	\$259,486	-\$7,762	\$14,911	\$266,635
III	Claremont	\$1,562,869	\$1,755,588	\$580,966	\$3,899,423
I	Clearlake	\$370,961	\$433,689	\$296,838	\$1,101,488
I	Coastal District Office	\$61,158	\$6,860	\$7,092	\$75,110
II	Culver City	\$970,841	\$821,550	\$1,017,581	\$2,809,972
III	Foothill District Office	\$283,816	\$259,167	\$199,404	\$742,387
III	Los Alamitos	\$1,626,960	\$1,960,132	\$1,017,935	\$4,605,027
I	Los Osos	\$175,336	\$191,555	\$589,782	\$956,673
III	Morongo	\$129,534	\$386,899	\$2,608,477	\$3,124,910
III	Mountain/Desert District Office	\$46,217	\$1,918	\$56,856	\$104,991
I	Northern District Office	-\$69,925	-\$69,576	-\$22,080	-\$161,581
III	Orange County District Office	\$190,423	\$30,202	\$73,746	\$294,371
III	Placentia/Yorba Linda	\$1,546,736	\$1,359,018	\$1,307,568	\$4,213,322
III	San Dimas	\$1,131,020	\$1,468,088	\$972,660	\$3,571,768
III	San Gabriel	\$468,842	\$969,328	\$517,908	\$1,956,078
I	Santa Maria	\$875,696	\$472,936	\$1,068,647	\$2,417,279

Region	CSA	2024	2025	2026	Total
I	Simi Valley	\$286,185	\$410,129	\$249,502	\$945,816
II	Southwest	\$3,023,742	\$3,849,901	\$3,919,140	\$10,792,783
II	Southwest District	\$182,993	\$100,383	\$36,957	\$320,333
III	Wrightwood	\$195,592	\$1,017,856	\$649,512	\$1,862,960
Total		\$20,134,740	\$26,675,881	\$25,990,349	

1
2 In contrast, GSWC requests \$140,993,362 for each year among all three Regions,
3 2024-2026.²³ Cal Advocates’ recommendations are based on the following adjustments to
4 GSWC’s request:

5 **A. Cancelled Projects**

6 A downward adjustment of -\$99,665 to the 2022 year-end proxy amount for
7 cancelled projects that still are in CWIP.

8 **B. Unreasonable Projects in CWIP**

9 A downward adjustment of -\$2,111,305 to the 2022 year-end proxy amount for
10 projects in CWIP that are unreasonable.

11 **C. CWIP Projects in Rates for an Unreasonable Amount of**
12 **Time**

13 The forecasted CWIP balance should be based on plant additions per year. CWIP
14 projects in the 2022 year-end proxy amount that are older than 3 years and cancelled
15 projects should not be included.

16 **III. ANALYSIS**

17 **A. Cancelled Projects**

18 Category 6 CWIP projects are those that have been completed or cancelled.
19 As of December 31, 2022, GSWC had a total of 27 category 6 projects for a

²³ McDonough, Sinagra - Vol 1 CWIP Testimony, Appendix 1 and Attachments A to D - APP page 4

1 balance of \$4,640,589. Of these 27 projects, 8 were cancelled for \$99,665.²⁴ Since
 2 the 2022 year-end balance will carry into the years 2024, 2025, and 2026, it is
 3 unreasonable to allow these projects to be included in the proxy amount since
 4 doing so allows GSWC to earn a profit on cancelled assets. GSWC should not
 5 earn a profit on the projects presented in Table 2-3 below because they were all
 6 cancelled. GSWC states there is a plan to bring some of these cancelled projects
 7 back in the future, but currently, they are not providing any benefit to ratepayers.
 8 If GSWC restores these projects in the future, it can present them in a future GRC.
 9 However, in this GRC cycle, a downward adjustment is necessary because
 10 ratepayers should not continue to pay for, and GSWC should not continue to profit
 11 from, cancelled projects and assets in CWIP at ratepayers' expense.

12 **Table 2-3: Cancelled CWIP Projects with a December 31, 2022, Balance**²⁵

Region	CSA	Work Order Number	Work Order Description	Year Added to CWIP	12/31/22 Balance	Cancellation Reason
I	Arden/Cordova	11700247	Arden Way Pipeline Abandonment	2020	\$12,092	Project deferred due to expanded scope of work
II	Barstow	34731414	Mtn View Area Main Replacement	2020	\$44,918	Project deferred due to permitting issues with the City of Barstow
III	Calipatria	35200224	Calipatria Driveway	2010	\$31,374	Due to changes in public access to the facility this project is not needed at this time.
II	Central Basin West	22750309	Tract 180 Export Connection, Remove	2020	\$320	Tract 180 indicated that the interconnection would be required for use during an emergency outage.
III	Los Alamitos	26931912	Ball Plant, Site Improvements	2020	\$7,609	Scope of work was incorporated in the Ball Fe & Mn

²⁴ DR CHA-001 (CWIP - Category 6) attachment CHA-001 Table 1 from GSWC (Question 1), Attachment 2-2

²⁵ DR CHA-001 (CWIP - Category 6) attachment CHA-001 Table 1 from GSWC (Question 1), Attachment 2-3

Region	CSA	Work Order Number	Work Order Description	Year Added to CWIP	12/31/22 Balance	Cancellation Reason
						Treatment Project. The incurred cost will be transferred to the Ball Fe & Mn Treatment Project (WO #26931917)
III	Morongo	35831025	1st St. Main Replacement	2020	\$1,696	The issues to be resolved by this project will be resolved by the Navajo Booster Zone Looping Project requested in the 2023 GRC Application.
III	Morongo	35831033	Highway Well-Uranium Treatment	2020	\$504	Well was determined to be at the end of its useful life.
III	Placentia/Yorba Linda	27531382	La Jolla Site Improvements	2020	\$1,152	Scope of work was incorporated in the La Jolla Well #3 Project. The incurred cost will be transferred to the Ball Fe & Mn Treatment Project (WO #27531352)
	Total				\$99,665	

1

2

B. Unreasonable Projects in CWIP

3

GSWC includes \$2,111,305 worth of vehicle replacements in its 2022 year-end balance amount. An overview of the vehicles is presented in Table 2-4, and they were all added to CWIP in 2020, which means that as of December 31, 2022, ratepayers have been funding them for 2 years.

7

GSWC should not receive profit on the projects presented in Table 2-4 because it is unreasonable that it takes several years for GSWC to replace a vehicle. Additionally, all the vehicles have an estimated completion date of 12/31/2023, which means GSWC received profits on them over three years.

10

11

Replacing vehicles is a one-time purchase and there is no reason to spread the cost

1 over several years. Therefore, GSWC should not classify them as CWIP projects.
2 The Commission should remove \$2,111,305 from CWIP per Table 2-4.

3 **Table 2-4: Unreasonable Projects in CWIP with a Balance as of December 31, 2022²⁶**

Region	CSA	Work Order Number	Work Order Description	December 31, 2022, Balance
I	Arden/Cordova, Northern District Office, Santa Maria, Simi Valley	Various Work Numbers	Various Work Order Descriptions	\$834,661
II	Central Basin East, Central Basin West, Central District Office, Culver City, Southwest, Southwest District Office	Various Work Numbers	Various Work Order Descriptions	\$456,263
III	Orange County District Office, Barstow, Placentia/Yorba Linda, Wrightwood, Apple Valley, Los Alamitos, Claremont, San Gabriel	Various Work Numbers	Various Work Order Descriptions	\$820,381
Total				\$2,111,305

4

5 **C. CWIP Projects in Rates for an Unreasonable Amount of**
6 **Time**

7 GSWC’s CWIP year-end balance as of December 31, 2022 in Regions I, II,
8 and III is \$140,993,362. GSWC uses this 2022 recorded CWIP amount as a proxy
9 to forecast the CWIP balance in future years, 2024-2026.²⁷

10 GSWC should not use the 2022 year-end balance as a proxy for 2024-2026
11 because several of the projects included in this amount have been in the CWIP
12 account for an unreasonable amount of time. The Commission allows water
13 utilities to include CWIP in rate base even though the projects are not yet used and
14 useful, with the expectation that utilities will complete the projects within a
15 specified time frame, which, according to the Commission’s 1982 memorandum,
16 is an average of 4 months.

²⁶ DR CHA-006 CWIP All Response attachment CHA-006 Table 1 from GSWC (Questions 1 and 2), Attachment 2-4

²⁷ Powell Testimony Rate Base - APP pages 5-6

1 As seen in Table 2-5, there are projects in CWIP that have been there as far
2 back as 2011, a period of 11 years. However, as demonstrated by the year the
3 projects were added to the CWIP account, GSWC has been receiving profits on
4 CWIP projects ranging from a few months to eleven years old, even if ratepayers
5 have yet to see any benefit. For example, for Mojave Booster Station (WO #
6 35931007), there is a 2022-year-end balance of \$789,310, and for 2023-2026,
7 GSWC is forecasting \$2,820,890. However, this project was added to the CWIP
8 account in 2011 and, as of the filing of GSWC's pre-application (06/01/2023), is
9 only 22% complete.²⁸ As of 2023, this project has exceeded by 11 years the
10 expected average completion time of 4 months. This project will also continue to
11 surpass the expected average completion time of 4 months because GSWC is
12 forecasting money for it in 2023-2026. This means that GSWC customers have
13 been paying for this project for over a decade without seeing any benefit, while
14 GSWC has been receiving profits on this incomplete project since 2011.

15 The Commission should not use GSWC's inflated 2022 year-end balance as
16 a proxy for 2024-2026. Instead, the Commission should adopt a CWIP balance as
17 a percentage of plant additions for each year. This alternative proxy calculation
18 recognizes the relationship between closed projects, which are plant additions, and
19 open projects, which are CWIP projects. The relationship of open projects
20 compared to closed projects indicates GSWC's ability to execute its capital
21 program.

22 To determine a reasonable proxy amount, Cal Advocates conducted an
23 aging analysis to determine how long projects are staying in the CWIP account,
24 which is presented in Table 2-5 below.

²⁸ DR CHA-006 CWIP All Response attachment CHA-006 Table 1 from GSWC (Questions 1 and 2), Attachment 2-5

1 **Table 2-5 - CWIP Aging Analysis²⁹**

Criteria	Amount ³⁰	Total # of Projects with a balance as of Dec 31, 2022 ³¹	Total # of Projects that Meet Criteria	Percentage of Projects that Meet Criteria
Projects in CWIP from 2011-2022 (11 years)	\$128,039,074	436	436	100%
Projects in CWIP from 2012-2022 (10 years)	\$127,183,479	436	434	99.54%
Projects in CWIP from 2013-2022 (9 years)	\$120,661,964	436	431	98.85%
Projects in CWIP from 2014-2022 (8 years)	\$119,800,291	436	430	98.62%
Projects in CWIP from 2015-2022 (7 years)	\$118,419,773	436	427	97.94%
Projects in CWIP from 2016-2022 (6 years)	\$116,078,558	436	424	97.25%
Projects in CWIP from 2017-2022 (5 years)	\$113,004,418	436	419	96.10%
Projects in CWIP from 2018-2022 (4 years)	\$86,754,186	436	387	88.76%
Projects in CWIP from 2019-2022 (3 years)	\$85,257,251	436	384	88.07%
Projects in CWIP from 2020-2022 (2 years)	\$81,612,033	436	381	87.39%
Projects in CWIP from 2021-2022 (1 year)	\$14,951,914	436	45	10.32%
Projects in CWIP from 2022-2022 (Less than 1 year)	\$5,455,349	436	22	5.05%

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First, to conduct the aging analysis, Cal Advocates issued discovery asking what year projects were added to CWIP. After analyzing how long projects had been in CWIP, used a 3-year lag between a project first entering CWIP and being placed into service to develop an appropriate proxy amount. Using a 3-year lag to establish a proxy, as opposed to the expected 4-month average completion time provided for by the Commission’s Memo, would result in a generous adjustment for

²⁹ DR CHA-006 CWIP All Response attachment CHA-006 Table 1 from GSWC (Question 1), Attachment 2-6

³⁰ Amount includes only category 1, 4, and 5 projects

³¹ Amount includes only category 1, 4, and 5 projects and excludes projects that had a December 31, 2022 balance of \$0

1 GSWC because it allows more projects to be included in CWIP. The 3-year lag also
 2 covers approximately 90% of projects and best aligns with the 3-year GRC cycle
 3 timeline. Next, based on this 3-year completion lag for CWIP projects, a lag ratio
 4 of the historical CWIP balances relative to the historical plant additions completed
 5 three years later was used for developing a reasonable proxy amount of CWIP. This
 6 analysis is presented in Table 2-6. On average, when the CWIP lag is set to 3 years,
 7 the CWIP balance is 58% of the plant additions occurring three years later.

8 **Table 2-6: CWIP Lag Analysis (\$ Millions)**

	2015 ³²	2016 ³³	2017 ³⁴	2018 ³⁵	2019 ³⁶	2020 ³⁷	2021 ³⁸	2022 ³⁹	Average
CWIP Beginning Balance	\$45	\$59	\$57	\$59	\$74	\$104	\$118	\$124	-
CWIP Ending Balance	\$59	\$57	\$59	\$74	\$104	\$118	\$124	\$141	-
CWIP Beginning and Ending Balance Average	\$52	\$58	\$58	\$66	\$89	\$111	\$121	\$132	-
UPIS Additions	\$75	\$121	\$104	\$101	\$100	\$95	\$123	\$132	-
CWIP Average/UPIS	69%	48%	55%	66%	89%	117%	98%	100%	80%
3-year Lag	-	-	-	52%	58%	60%	54%	67%	58%
4-year Lag	-	-	-	-	52%	61%	47%	50%	52%
5-year Lag	-	-	-	-	-	54%	47%	44%	48%

³² 2015 Annual Report page 16, Attachment 2-7

³³ 2016 Annual Report page 16, Attachment 2-8

³⁴ 2017 Annual Report page 17, Attachment 2-9

³⁵ 2018 Annual Report page 17, Attachment 2-10

³⁶ 2019 Annual Report page 17, Attachment 2-11

³⁷ 2020 Annual Report page 17, Attachment 2-12

³⁸ 2021 Annual Report page 17, Attachment 2-13

³⁹ 2022 Annual Report page 17, Attachment 2-14

	2015 ³²	2016 ³³	2017 ³⁴	2018 ³⁵	2019 ³⁶	2020 ³⁷	2021 ³⁸	2022 ³⁹	Average
6-year Lag	-	-	-	-	-	-	42%	44%	43%

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Additionally, the Commission should consider a shorter lag time in future GRC’s to establish the proxy to provide GSWC a greater incentive to efficiently manage projects and complete them on a more timely basis.

Finally, instead of using the year-end balance as of December 31, 2022, as the proxy amount, the proxy amount should be based on 58% of plant addition for each year 2024-2026, minus \$2,210,970 in adjustments from Tables 2-3 and 2-4. The plant additions per region are presented in Attachments 2-15, 2-16, and 2-17 for 2024, 2025, and 2026 respectively along with the calculations performed to determine the final proxy amount recommended for each region.

IV. CONCLUSION

The Commission should adopt the proxy amount \$20,134,740, \$26,675,881, and \$25,990,349 for 2024, 2025, and 2026 respectively for GSWC’s three Regions. It is unreasonable to expect the 2022 year-end balance to be used as a proxy for 2024-2026. Several of the projects with a balance as of 2022 have been in CWIP for more than 1 GRC cycle, have significantly exceeded the average time it takes to complete water utility projects, or are cancelled.

1 **CHAPTER 3 CONSTRUCTION-WORK-IN-**
2 **PROGRESS (Additional Funding Regions I, II, and**
3 **III)**

4 **I. INTRODUCTION**

5 This chapter presents the analysis and recommendations regarding the 2023-2026
6 additional funding CWIP amount for GSWC’s Regions I, II, and III.

7 In McDonough, Sinagra - Vol 1 CWIP Testimony, Appendix 1 and Attachments A
8 to D - APP, GSWC categorizes CWIP projects in 6 categories, with category 4 consisting
9 of subcategories, that are listed in Table 3-1.

10 **Table 3-1: CWIP Categories**

Category Number	Title
1	Blanket Projects
2	New Business Projects
3	Projects Funded by Others
4	Projects Approved in the Previous GRC
4a	Projects with no Change in Budget or Scope
4b	Projects that will be completed after 2023 with no Change in Budget or Scope
4c	Projects that will be completed in the 2020 rate cycle with a Change in Budget or Scope
4d	Projects that will be completed after 2023 with a Change in Budget or Scope
5	Projects Not Approved in a Previous GRC
6	Completed or Cancelled Projects

11 **II. SUMMARY OF RECOMMENDATIONS**

12 The Commission should adopt an overall reduction of \$132,475,387 to the 2023 -
13 2026 additional funding amount for CWIP in GSWC’s Regions I, II, and III.

14 **A. Additional Funding – Category 4b Projects**

15 The Commission should deduct \$6,808,324, \$555,923, and \$42,882 for 2024, 2025, and
16 2026, respectively, for category 4b projects in GSWC’s Regions I, II, and III for an
17 overall reduction of \$7,407,129.

1 **B. Additional Funding – Category 4c Projects**

2 The Commission should deduct \$2,828,159 for additional funding in 2023 for
3 category 4d projects in GSWC’s Regions I, II, and III.

4 **C. Additional Funding – Category 4d Projects**

5 The Commission should deduct \$2,022,897, \$79,834,233, \$28,769,590, and
6 \$11,423,379 for 2023, 2024, 2025, and 2026 for category 4d projects in GSWC’s
7 Regions I, II, and III, for an overall reduction of \$122,050,099.

8 **D. Additional Funding – Category 5 Projects**

9 The Commission should deduct \$190,000 for additional funding in 2023 for
10 category 5 projects in GSWC’s Regions I, II, and III.

11 **III. ANALYSIS**

12 For 2023-2026, GSWC is forecasting additional funding of \$138,175,234 in 2023,
13 \$93,655,268 in 2024, \$29,325,513 in 2025, and \$11,466,261 in 2026 for CWIP projects.
14 The additional funding consists of category 1, 4, and 5 projects. All category 4 projects
15 were approved in the previous GRC, and GSWC has included its entire adopted budget
16 for 2023 in CWIP, which includes category 4a projects.⁴⁰ Category 4a projects will be
17 completed in the 2020 rate cycle with no change in budget and scope and the
18 Commission should approve all the 2023 additional funding for category 4a projects.
19 Although previously approved, category 4c and 4d projects have a change in budget or
20 scope, so GSWC is requesting additional funding.

21 **A. Additional Funding – Category 4b Projects**

22 Category 4b projects have been approved in the previous GRC and will be
23 completed after 2023 with no change in budget or scope. GSWC is forecasting

⁴⁰ McDonough, Sinagra - Vol 1 CWIP Testimony, Appendix 1 and Attachments A to D - APP page 5 lines 5-7

1 additional funding of \$6,425,073 in 2023, \$6,808,324 in 2024, \$555,923 in 2025,
 2 and \$42,882 in 2026 for category 4b projects. The overall additional funding for
 3 category 4b projects is \$13,832,202 for 2023-2026.

4 The Commission should reject the additional funding for the category 4b
 5 projects that are presented in Table 3-2 below, because they are repeat projects
 6 that should have been completed within the previous GRC cycle approved by the
 7 Commission. However, as shown in Table 3-2, GSWC has added these projects to
 8 the CWIP account from 2012 to 2021 and these projects remained unfinished as of
 9 2023 because GSWC now requests additional funding to complete these projects
 10 after 2023. GSWC has been profiting from these uncompleted projects ranging
 11 from two to eleven years with no benefit yet delivered to ratepayers. Therefore, a
 12 downward adjustment is warranted.

13 **Table 3-2: Category 4b Additional Funding Adjustments⁴¹**

Region	CSA	Work Order Number	Work Order Description	Year Added to CWIP	Additional Funding 2024	Additional Funding 2025	Additional Funding 2026
I	Bay Point	12411327	Bay Point, Systemwide SCADA	2020	\$818,502	-	-
I	Los Osos	14631146	LosOsos Valley Rd,Palisades to 10th	2017	\$418,794	-	-
I	Los Osos	14700120	Edna, Drill & Equip Well Water Supp	2012	\$35,000	\$40,000	\$42,882
II	Central Basin West	22811345	Systemwide, Replacement Well Land A	2020	\$118,000	-	-
II	Culver City	23611755	Westwood & Virginia Area Main Rplc	2020	\$308,965	-	-

⁴¹ DR CHA-006 CWIP All Response attachment CHA-006 Table 1 from GSWC (Questions 1 and 2), Attachment 3-1

Region	CSA	Work Order Number	Work Order Description	Year Added to CWIP	Additional Funding 2024	Additional Funding 2025	Additional Funding 2026
III	Calipatria	35231167	Calipatria SCADA (R3 2023)	2021	\$2,168,650	-	-
II	Placentia/Yorba Linda	27531380	Moonbeam St AMR	2020	\$300,000	-	-
II	Barstow	34731411	Bear Valley Phase 3	2020	\$774,695	-	-
II	Barstow	34731304	Basalt, Demo Plant	2017	\$344,184	-	-
II	Morongo	35831018	Navajo Booster Zone Expansion	2017	\$459,630	-	-
II	Morongo	35931059	Mojave Reservoir	2017	\$818,000	\$515,923	-
II	Wrightwood	37231060	Sheep Creek Res & Pipe USFS Easemnt	2014	\$119,213	-	-
I	Santa Maria	16400106	Cypress Ridge Well Land Acquisition	2020	\$124,691	-	-
	Total				\$6,808,324	\$555,923	\$42,882

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B. Additional Funding – Category 4c Projects

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Category 4c projects have been approved in the previous GRC and assumed by GSWC to be completed in the 2020 rate cycle with a change in budget or scope. GSWC is forecasting additional funding of \$34,853,865 in 2023, \$0 in 2024, \$0 in 2025, and \$0 in 2026 for 4c projects. The overall additional funding for category 4c projects is \$34,853,865 for 2023-2026.

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The Commission should reject the additional funding for the category 4c project presented in Table 3-3 below because GSWC failed to properly manage the project. During project construction, GSWC discovered an overhead power line had to be removed and replaced to create enough space for a crane to move materials in and out of the site. Such an access issue should have been considered

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1 in the design phase of the project. Having sufficient access for maintenance and
2 repair is a fundamental parameter of any engineering design. GSWC’s failure to
3 consider such basic design criteria has resulted in additional costs to the
4 ratepayers. Ratepayers should not be responsible for cost overruns caused by
5 GSWC’s poor planning, design, and execution.

6 **Table 3.3 – Category 4c Additional Funding Adjustment Due to Design Flaw⁴²**

Region	CSA	Work Order Number	Work Order Description	2023 Addition
II	Orange County	27431221	Hunting Horn, Reservoir Retrofit	\$2,828,159
	Total			\$2,828,159

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8 **C. Additional Funding – Category 4d Projects**

9 Category 4d projects have been approved in the previous GRC and will be
10 completed after 2023 with a change in budget or scope. GSWC is forecasting
11 additional funding of \$47,883,684 in 2023, \$79,834,233 in 2024, \$28,769,590 in
12 2025, and \$11,423,379 in 2026 for 4d projects. The overall additional funding for
13 category 4d projects is \$167,910,886 over 2023-2026.

14 The Commission should reject the additional 2023 funding for the project
15 presented in Table 3-4. This project was approved in the previous GRC and is
16 requesting additional funding in 2023 due to a change in scope. During the design
17 phase of this project, GSWC found that, due to space constraints, the treatment
18 system and chemical building had to be demolished to drill a new well. The
19 Commission should reject the additional funding for the change in scope because
20 GSWC’s design process is flawed. It is reasonable to expect GSWC’s engineers
21 to be aware during the design phase that there was not enough space to drill a well
22 without demolishing and replacing assets, yet GSWC proceeded with the flawed
23 design. GSWC should have taken into consideration the feasibility of the site
24 during the design phase, which it failed to do. Ratepayers should not be

⁴² Y_SEC-50_RB_CWIP, sheet IN_CWIP on line 910, Attachment 3-2

1 responsible for cost overruns caused by GSWC’s poor planning, design, and
 2 execution.

3 **Table 3-4: Category 4d Additional 2023 Funding Adjustment Due to Design Flaw⁴³**

Region	CSA	Work Order Number	Work Order Description	2023 Addition
II	Central	22750310	Well Replacement, Gage Well 2	\$2,022,897
Total				\$2,022,897

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 5 Moreover, the additional funding for repeat projects in 2024-2026 is
 6 unreasonable. An overview of these projects is presented in Table 3-5. Since
 7 these projects were approved in the previous GRC, they should be completed by
 8 2023. However, the completion date for the projects extends into the next GRC
 9 cycle since GSWC is forecasting funds for these projects after 2023. These
 10 projects were added to CWIP from 2011-2022, so GSWC has been receiving
 11 profits on some of these projects for several years now, and they are still not
 12 complete and not providing benefits to ratepayers. Therefore, a downward
 13 adjustment is warranted.

14 **Table 3-5: Category 4d Additional Funding Adjustments⁴⁴**

Region	CSA	Work Order Number	Work Order Description	2024 Addition	2025 Addition	2026 Addition
I	Arden/Cordova	Various Work Order Numbers	Various Work Order Descriptions	\$2,677,664	\$1,585,944	\$4,579,502
I	Los Osos	Various Work Order Numbers	Various Work Order Descriptions	\$3,750,334	\$599,700	\$188,232
I	Santa Maria	Various Work Order Numbers	Various Work Order Descriptions	\$5,574,443	\$5,133,297	\$1,208,350
I	Simi Valley	Various Work Order Numbers	Various Work Order Descriptions	\$1,412,567	\$193,343	-
II	Central Basin East	Various Work Order Numbers	Various Work Order Descriptions	\$8,750,000	\$4,572,075	\$433,100
II	Central Basin West	Various Work Order Numbers	Various Work Order Descriptions	\$12,744,035	\$5,599,128	\$324,547
II	Culver City	Various Work Order Numbers	Various Work Order Descriptions	\$5,858,729	\$2,714,470	-
II	Southwest	Various Work Order Numbers	Various Work Order Descriptions	\$3,050,000	\$271,000	\$271,000

⁴³ Y_SEC-50_RB_CWIP, sheet IN_CWIP on line 749, Attachment 3-3

⁴⁴ DR CHA-006 CWIP All Response attachment CHA-006 Table 1 from GSWC (Questions 1 and 2), Attachment 3-4

Region	CSA	Work Order Number	Work Order Description	2024 Addition	2025 Addition	2026 Addition
III	Apple Valley	Various Work Order Numbers	Various Work Order Descriptions	\$2,139,036	\$1,811,735	\$2,000,000
III	Barstow	34731417	Barstow SCADA (R3 Imprmts 2021)	\$1,885,033	-	-
III	Calipatria	35231141	Noffsinger Rd. Transmission Main	\$2,021,616	-	-
III	Claremont	Various Work Order Numbers	Various Work Order Descriptions	\$2,489,263	-	-
III	Morongo	Various Work Order Numbers	Various Work Order Descriptions	\$4,160,322	\$1,920,890	
III	Placentia/Yorba Linda	Various Work Order Numbers	Various Work Order Descriptions	\$6,120,404		
III	San Dimas	Various Work Order Numbers	Various Work Order Descriptions	\$2,770,659		
III	San Gabriel	Various Work Order Numbers	Various Work Order Descriptions	\$12,339,765	\$1,897,603	
III	Wrightwood	Various Work Order Numbers	Various Work Order Descriptions	\$2,090,363	\$2,470,405	\$2,418,648
Total				\$79,834,233	\$28,769,590	\$11,423,379

D. Additional Funding – Category 5 Projects

Category 5 projects are projects that were not approved in a prior GRC. GSWC is forecasting additional funding of \$20,176,466 in 2023, \$7,012,711 in 2024, \$0 in 2025, and \$0 in 2026 for category 5 projects. The overall additional funding requested by GSWC for category 5 projects is \$27,189,177 for 2023-2026.

GSWC should not receive profit on the project presented in Table 3-6 because it is a study that may not lead to a used and useful project for ratepayers. The purpose of this project is to assess whether installing renewable energy facilities at GSWC plant locations will be beneficial. It is possible that GSWC, after completing the assessment, determines that there is no need to install such facilities. In this case, there will be no resulting benefit and ratepayers would bear the entire risk of paying for a study without receiving any corresponding benefit. Instead, GSWC should recover the cost of the study as part of any resulting project(s) in its future GRC.

1 **Table 3.6 – Category 5 Additional Funding Adjustments⁴⁵**

Region	CSA	Work Order Number	Work Order Description	Additional Funding 2023
III	Barstow	34731503	Renewable Energy Feasibility Study	\$190,000
Total				\$190,000

2 **IV. CONCLUSION**

3 The Commission should reduce the 2023-2026 additional funding amount for
4 CWIP in GSWC’s Regions I, II, and III by \$132,475,387. Ratepayers should not fund a
5 project multiple times that has yet to provide them with benefits once. This reduction
6 will lessen the burden on ratepayers and reduces unnecessary spending.

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⁴⁵ Y_SEC-50_RB_CWIP, sheet IN_CWIP on line 819, Attachment 3-5

1 **CHAPTER 4 CONSTRUCTION-WORK-IN-**
2 **PROGRESS (GO Additional Funding)**

3 **I. INTRODUCTION**

4 This chapter presents the analysis and recommendations regarding the additional
5 funding for CWIP of GSWC related to its General Operations (GO) operations.

6 **II. SUMMARY OF RECOMMENDATIONS**

7 **A. Additional Funding – Category 4b Projects**

8 The Commission should deduct \$111,028 from GSWC’s request for additional
9 funding in 2024 for category 4b CWIP projects in GSWC’s GO.

10 **III. ANALYSIS**

11 **A. Additional Funding – Category 4b Projects**

12 Category 4b projects have been approved in the previous GRC and will be
13 completed after 2023 with no change in budget or scope. GWSC is forecasting
14 additional funding of \$298,266 in 2023, \$111,028 in 2024, \$0 in 2025, and \$0 in
15 2026 for category 4b projects. The overall additional funding for category 4b
16 projects is \$409,294, for 2023-2026

17 The 2024 additional funding for the category 4b project that is presented in
18 Table 5-1 below is unreasonable because it is a repeat project that should have
19 been completed within the previous GRC cycle approved by the Commission.
20 However, this project remains unfinished as of 2023 and GSWC now requests
21 additional funding after 2023. A downward adjustment is warranted for the
22 project because ratepayers should not pay more than once for an asset, they have
23 not received benefit from even once.

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Table 5.1 Category 4b Additional Funding Adjustments⁴⁶

RMA	CSA	Work Order Number	Work Order Description	Additional Funding 2024
GO - COPS	Field Technology Services	3600029	Field Mobile Device Refresh	\$111,028
Total				\$111,028

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IV. CONCLUSION

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The Commission should deduct \$111,028 in additional 2024 funding for category 4b projects. Ratepayers should not fund a project multiple times that will only benefit them once. This downward adjustment is reasonable because it lessens the burden on ratepayers and reduces unnecessary spending.

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⁴⁶ Y_SEC-50_RB_CWIP, sheet IN_CWIP on line 35, Attachment 4-1

ATTACHMENTS

Attachment: Qualifications of Witness

QUALIFICATIONS AND PREPARED TESTIMONY
OF CHANDRIKA SHARMA

Q.1 Please state your name and address.

A.1 My name is Chandrika Sharma, and my business address is 505 Van Ness Avenue, San Francisco, California, 94102.

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

A.2 I am employed by the California Public Utilities Commission as a Utilities Engineer.

Q.3 Please describe your educational and professional experience.

A.3 I have a Bachelor of Science Degree in Computer Engineering with an Electrical Engineering minor from San Francisco State University and an MBA from San José State University. I have been with the California Public Utilities Commission since October 2021.

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

A.4 I am responsible for Chapter 1 (Water Quality and Special Request #4), Chapter 2 (CWIP Regions I, II, and III Proxy Amount), Chapter 3 (CWIP Additional Funding Regions I, II, and III), and Chapter 4 (CWIP GO Additional Funding).

Q.5 Does that complete your prepared testimony?

A.5 Yes.

**Attachment 1-1: Email with SWRCB
regarding the Robbins System compliance**

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Wednesday, January 31, 2024 1:31 PM
To: Tabor, Rebecca@Waterboards <Rebecca.Tabor@Waterboards.ca.gov>
Subject: Question - GSWC Robbins System

EXTERNAL

Hi Rebecca, I am working on the General Rate Case for Golden State Water Company and wanted to reach out to confirm if GSWC is on schedule to bring the Robbins system into compliance by June 2025?

Thanks,
Chandrika Sharma, Utilities Engineer (She/her)
Public Advocates Office
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
chandrika.sharma@cpuc.ca.gov
public.advocates@cpuc.ca.gov
415-703-2268



From: Tabor, Rebecca@Waterboards <Rebecca.Tabor@Waterboards.ca.gov>
Sent: Wednesday, January 31, 2024 2:14 PM
To: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Subject: [EXTERNAL] RE: Question - GSWC Robbins System

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Chandrika-

I believe the compliance date is June 2026. See attached from EPA. Please let me know if you need anything else.

Thanks,
Rebecca Tabor

Rebecca Tabor, P.E.
Valley District Engineer
530-224-2487
rebecca.tabor@waterboards.ca.gov

State Water Resources Control Board
Division of Drinking Water
364 Knollcrest Drive, Suite 101
Redding, CA 96002

**Attachment 1-2: Email with GSWC
regarding the Robbins System compliance**

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Thursday, February 1, 2024 9:17 AM
To: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>
Subject: Question - Robbins System Water Quality

This Message Is From An External Sender

This message came from outside the company. Do not open any attachments unless you expected this message. Do not click links unless you are sure they are safe.

EXTERNAL EMAIL

Hi Jenny, I had a question regarding the water quality testimony - Pillai Testimony SR4 SR8 Water Quality – APP.

On page 5, lines 21-23, it is stated that “with respect to the Robbins system, GSWC is in compliance with EPA’s AOC and is in progress to bring the system into compliance by June 2025.”

Is by June 2025 when the Robbins system is expected to provide service to customers?

Chandrika Sharma, Utilities Engineer (She/her)
Public Advocates Office
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
chandrika.sharma@cpuc.ca.gov
publicadvocates.cpuc.ca.gov
415-703-2268



1

From: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Sent: Thursday, February 1, 2024 9:23 AM
To: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>; Powell, Brad <Brad.Powell@gswater.com>
Subject: [EXTERNAL] RE: Question - Robbins System Water Quality

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Chandrika, GSWC took over they system from Sutter County and began providing service to the Robbins customers in May 2022.

Jenny

2

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Thursday, February 1, 2024 9:43 AM
To: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>; Powell, Brad <Brad.Powell@gswater.com>
Subject: RE: [EXTERNAL] RE: Question - Robbins System Water Quality

This Message Is From An External Sender

This message came from outside the company. Do not open any attachments unless you expected this message. Do not click links unless you are sure they are safe.

Hi Jenny, thanks. I had a follow up question.

3

If the Robbins System is expected to be in compliance by June 2025, is that the date GSWC expects the Robbins system will be providing water to all the customers in the system that meet the arsenic MCL?

From: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Sent: Thursday, February 1, 2024 10:01 AM
To: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>; Powell, Brad <Brad.Powell@gswater.com>
Subject: RE: [EXTERNAL] RE: Question - Robbins System Water Quality

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Yes, that is correct. That is the time the new well and treatment plant are projected to be online and supplying water that meets the MCLs.

Jenny

4

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Thursday, February 1, 2024 10:16 AM
To: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>; Powell, Brad <Brad.Powell@gswater.com>
Subject: RE: [EXTERNAL] RE: Question - Robbins System Water Quality

This Message Is From An External Sender

This message came from outside the company. Do not open any attachments unless you expected this message. Do not click links unless you are sure they are safe.

Thanks. I wanted to confirm if the accurate date is June 2025 or June 2026?

According to GSWC, the Robbins system should be in compliance with the MCL and serving customers by June 2025.

1 The Compliance Plan states, "the Robbins System shall serve drinking water that meets the arsenic MCL running annual average by June 2, 2026."

From: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Sent: Thursday, February 1, 2024 10:18 AM
To: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>; Powell, Brad <Brad.Powell@gswater.com>
Subject: RE: [EXTERNAL] RE: Question - Robbins System Water Quality

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Chandrika, I believe the 2026 date reference relates to the "running annual average", which would require compliant test results for a full year, which would begin in June 2025 and would be complete by June 2026.

2 

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Thursday, February 1, 2024 10:51 AM
To: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>; Powell, Brad <Brad.Powell@gswater.com>
Subject: RE: [EXTERNAL] RE: Question - Robbins System Water Quality

This Message Is From An External Sender

This message came from outside the company. Do not open any attachments unless you expected this message. Do not click links unless you are sure they are safe.

Hi Jenny, Cal Advocates would like to know that which of these two statements indicate the compliance date:

- Construction Completion Timeline: Construction of the Project, to provide drinking water from the System to all its customers that meets the arsenic MCL, shall be completed on or before June 2, 2025.
- Compliance with the Arsenic MCL Running Annual Average: After completion of construction of the Project, the Robbins System shall serve drinking water that meets the arsenic MCL running annual average by June 2, 2026.

3 More specifically, can GSWC serve water to its customers after the construction of the project while the "arsenic MCL running annual average" compliance would not be completed until June 2, 2026? It appears that full compliance will be reached by June 2, 2026.

From: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Sent: Thursday, February 1, 2024 11:03 AM
To: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>; Powell, Brad <Brad.Powell@gswater.com>
Subject: RE: [EXTERNAL] RE: Question - Robbins System Water Quality

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Chandrika, this is what we received from our Water Quality department in response to your question.

Compliance is based on the average of the last four quarters so technically the system is not in compliance the day after the treatment plant goes online. It doesn't necessarily take the year the year though. That first quarter may be enough to bring down the running average. We will work with DDW when the time comes but I believe we will be able to communicate to the customers soon after the plant comes on line that the water is again potable. At that point, we will discontinue the bottled water deliveries.

I hope this answers your questions.

4 

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Thursday, February 1, 2024 11:54 AM
To: Darney-Lane, Jenny A. <jadarneylane@gswater.com>
Cc: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>; Chan, Victor <victor.chan@cpuc.ca.gov>; Powell, Brad <Brad.Powell@gswater.com>
Subject: RE: [EXTERNAL] RE: Question - Robbins System Water Quality

This Message Is From An External Sender

This message came from outside the company. Do not open any attachments unless you expected this message. Do not click links unless you are sure they are safe.

Thanks Jenny.

Would it be correct to say that GSWC has a plan to bring the Robbins system into compliance with the arsenic MCL by June 2025 and be in compliance with the arsenic MCL running average by June 2026?

1

RE: [EXTERNAL] RE: Question - Robbins System Water Quality



Darney-Lane, Jenny A. <jadarneylane@gswater.com>

To: Sharma, Chandrika

Cc: Aslam, Mehboob; Chan, Victor; Powell, Brad

You replied to this message on 2/1/2024 1:22 PM.

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Chandrika – yes, that statement is correct.

2

Jenny

Attachment 1-3: DR CHA-002 Water Quality Response from GSWC (All Questions)



July 14, 2023

Chandrika Sharma, Public Advocates Office
CALIFORNIA PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco, CA 94102

Subject: Data Request CHA-002 (A.23-XX-0XX) Water Quality
Due Date: July 14, 2023

Dear Chandrika Sharma,

In response to the above referenced data request number, we are pleased to submit the following responses:

Question 1:

Citation NO. 04_07_22C_008 (1,2,3-TRICHLOROPROPANE MONITORING VIOLATION FOR 2020) occurred in the Claremont system.

- a. Please provide a copy of the water quality monitoring plan submitted to the Division of Drinking Water.
- b. Please provide a copy of the letter provided to the Division of Drinking Water that discussed the training provided to staff responsible for overseeing compliance with monitoring and reporting requirements, as well as to staff responsible for sample collection.

Response 1:

- a. [Copy of the water quality monitoring plan is attached.](#)
- b. [Copy of the letter provided to the Division of Drinking water is attached.](#)

Question 2:

Violation 05_13_23N_001 (FOR NITRATE MONITORING VIOLATION FOR 2022) occurred in the Wrightwood system. Please provide details of the corrective actions taken by GSWC to ensure compliance in the future.

Response 2:

The corrective actions taken by GSWC to ensure compliance in the future are as follow:

- a. GSWC conducted a nitrate test on January 30, 2023, resulting in no detection for nitrate.
- b. Routinely conduct water quality testing as required by the Division of Drinking Water's approved Wrightwood System monitoring schedules.
- c. Increase monitoring schedule verification frequency to ensure compliance.

Question 3:

A notice of violation for FAILURE TO FOLLOW PERMIT CONDITIONS FOR PFAS MONITORING AT STUDEBAKER WELL 3 occurred in the Norwalk system.

- a. Is there a violation number associated with this violation? If so, please provide it. If there is not a violation number, please state why not and provide any communications with the Division of Drinking Water regarding this notice of violation.
- b. The Pillai Testimony SR4 SR8 Water Quality – PA testimony states on page 5, lines 1-2, that “no further violations have occurred, and the system remains in compliance.” Please provide the expected date the system will be in compliance, as well as a copy of the implementations GSWC took and submitted

Response 3:

- a. The Division of Drinking Water did not issue a violation number for this notice because enforceable standards for PFAS in drinking water have not been established. See Attachment 3_Q3a for the communications with the Division of Drinking Water regarding this notice.
- b. There is a typo in the testimony. It should state that “no further violations have occurred, and the system remains in compliance.”

END OF RESPONSE

**Attachment 1-4: DR CHA-002 Water Quality
Response Attachment 1_Q1b_GSWC
Directive #6 Ongoing Training Letter from
GSWC (Question 1)**



December 26, 2022

Mr. Dmitry Ginzburg, District Engineer
State Water Resources Control Board
Division of Drinking Water
500 N. Central Ave, Suite 500
Glendale, CA 91203

Subject: Citation No. 04_07_22C_008 – Directive #6 Ongoing Training

Dear Mr. Ginzburg:

Golden State Water Company has a robust Water Quality Monitoring System. We use an electronic system called (SAMSWater) to track compliance. Compliance samples and monitoring requirements are checked on daily based with our trained Water Quality (WQ) staff. Also, weekly monitoring schedules and lab reports are reviewed and checked for accuracy on routine bases.

In November 2022, a training was provided to Michelle Holland, Water Quality Technician and Earl Garcia, Associate Water Quality Engineer in GSWC's San Dimas office on compliance monitoring and sampling requirements. We discussed the 9 years water quality monitoring plan and the Vulnerability Assessment and Monitoring Frequency Guidelines (VAMFS) issued by the Division. In addition, we checked the current monitoring schedules for selective contaminants like asbestos, cyanide, nitrate, and chromium.

The training conducted in house by George Zakhari, WQ Engineer for Foothill District who has over than 5 years of experience in drinking water regulations.

If you should have any questions or need additional information, please do not hesitate to contact me at (909) 592-4271 Ext. 1404.

Sincerely,
George Zakhari

George Zakhari
Water Quality Engineer
Golden State Water Company

cc: File

401 South San Dimas Canyon Road, San Dimas, CA 91773
Tel: (909) 592-4271 x1404 Fax: (909) 592-8690

**Attachment 1-5: DR CHA-002 Water Quality
Response Attachment 3_Q3a from GSWC
(Question 3)**



State Water Resources Control Board
Division of Drinking Water

January 26, 2023

Phuong Nguyen
Water Quality Engineer
Golden State Water Company – Norwalk System
12035 Burke St., Suite 1
Santa Fe Springs, CA 90670

Dear Ms. Nguyen

**NOTICE OF VIOLATION FOR SYSTEM NO. 1910098
FAILURE TO FOLLOW PERMIT CONDITIONS FOR PFAS MONITORING AT
STUDEBAKER WELL 3**

The State Water Resources Control Board, Division of Drinking Water (Division) hereby issues this notice of violation to GSWC-Norwalk (Company) for failure to comply with the approved monitoring plan at Studebaker Well 3; the Company did not collect samples during the month of October to analyze PFAS at the LEAD (1910098_040_040) and LAG (1910098_041_041) effluents as part of the Company’s compliance with the permit provisions of Permit No. 1910098-PA-006.

To avoid enforcement actions, please follow the provisions of all permit amendments issued to GSWC-Norwalk and note the regular time constraints of monitoring compliance. GSWC-Norwalk needs to provide training to staff and implement other measures to ensure that sampling and monitoring are done according to Permit No. 1910098-PA-006 in a timely manner. Please provide the Division with the implementations that GSWC-Norwalk has enacted within 30 days of this letter. If you have any questions regarding this letter, please contact Natalie Melgoza at (818) 551-2035 or me at (818) 551-2016.

Sincerely,

Digitally signed by Chi Diep
Date: 2023.01.26 14:43:08 -08'00'

Chi Diep, P.E.
District Engineer
Metropolitan District
Division of Drinking Water

E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

500 North Central Avenue, Suite 500, Glendale, CA 91203 | www.waterboards.ca.gov



February 22, 2023

Chi Diep, P.E.
Metropolitant District Engineer
SWRCB, Division of Drinking Water
500 N. Central Ave, Suite 500
Glendale, CA 91203

Subject: Notice of Violation 2023 0126 Failure to Comply with Water Supply Permit
Amendment No. 1910098-PA-006 - Ongoing Training

Dear Mr. Diep,

This letter is in response to the January 26, 2023 Notice of Violation for system No. 1910098 failure to follow permit conditions for PFAS monitoring at Studebaker Well 3.

Golden State Water Company utilizes a robust Water Quality Monitoring database called SAMSWater to electronically track all compliance samples. Monitoring schedules for each compliance points are created in SAMSWater. All Water Quality staff receive auto-generated reminders for any monitoring schedules that are approaching deadlines and have not been collected. In addition, compliance samples and monitoring requirements are checked on daily basic by our trained Water Quality staff.

In November 2022, additional training was provided to Water Quality Analysts in GSWC-Central District on compliance monitoring and sampling requirements. We discussed the monitoring requirements for new treatment plants to ensure compliance with the Water Supply Permit Amendments issued by the Division. The Water Quality staff was also trained again in the sample collection and validation process. The training was conducted in house by Phuong Nguyen, Water Quality Engineer for Central District who has over 5 years of experience in drinking water regulations.

Please feel free to contact me via email at phuong.nguyen@gswater.com if you have any questions or need additional information.

Sincerely,

Phuong Nguyen
Water Quality Engineer

cc: File

12035 Burke Street, #1 Santa Fe Springs, CA 90670
Tel: (562) 907-9200 | www.gswater.com

**Attachment 1-6: Email with SWRCB
regarding the Norwalk system violation**

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Friday, January 12, 2024 10:27 AM
To: Diep, Chi P. <Chi.Diep@waterboards.ca.gov>
Subject: Question - Notice of Violation for Norwalk System NO. 1910098

EXTERNAL:


Hi Chi, I am working on the General Rate Case for Golden State Water Company and wanted to reach out to confirm if GSWC's compliance/remediation reports were satisfactory for a notice of violation that occurred in Golden State Water Company's Norwalk System in 2022 - FAILURE TO FOLLOW PERMIT CONDITIONS FOR PFAS MONITORING AT STUDEBAKER WELL 3.





Thanks,
Chandrika Sharma, Utilities Engineer (She/her)
Public Advocates Office
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
chandrika.sharma@cpuc.ca.gov
publicadvocates.cpuc.ca.gov
415-703-2268



1

[EXTERNAL] RE: Question - Notice of Violation for Norwalk System NO. 1910098

 Diep, Chi P. <Chi.Diep@waterboards.ca.gov>
To: Sharma, Chandrika
Cc: Melgoza, Natalie <Natalie@waterboards.ca.gov>

   
Fri 1/12/2024 10:33 AM

 You replied to this message on 1/12/2024 10:34 AM.

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Chandrika,

Yes, the system has satisfied the conditions mentioned in the NOV. Thanks,

Chi Diep, P.E.
Metropolitan District Engineer
State Water Resources Control Board
Division of Drinking Water
[500 North Central Ave. Suite 500](http://500NorthCentralAve.Suite500)
Glendale, CA 91203
Direct: 818-551-2016
General: 818-551-2004
Fax: 818-551-2054
Email: Chi.Diep@waterboards.ca.gov

2

**Attachment 1-7: Email with SWRCB
regarding the Claremont system violation**

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Friday, January 12, 2024 10:32 AM
To: Ginzburg, Dmitriy@Waterboards <Dmitriy.Ginzburg@waterboards.ca.gov>
Subject: Question - Notice of Violation for Claremont System NO. 1910024

EXTERNAL:

Hi Dmitriy, I am working on the General Rate Case for Golden State Water Company and wanted to reach out to confirm if GSWC's compliance/remediation reports were satisfactory for a notice of violation that occurred in Golden State Water Company's Claremont system in 2020 - 04_07_22C_008: 1,2,3-TRICHLOROPROPANE MONITORING VIOLATION FOR 2020.

Thanks,
Chandrika Sharma, Utilities Engineer (She/her)
Public Advocates Office
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
chandrika.sharma@cpuc.ca.gov
publicadvoc@cpuc.ca.gov
415-703-2268

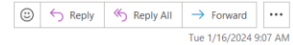


1

[EXTERNAL] RE: Question - Notice of Violation for Claremont System NO. 1910024



McElheny, David@Waterboards <David.McElheny@Waterboards.ca.gov>
To: Sharma, Chandrika
Cc: Ginzburg, Dmitriy@Waterboards
You replied to this message on 1/16/2024 9:16 AM.



Tue 1/16/2024 9:07 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Chandrika,

GSWC completed all the required directives included in Citation No. 04_07_22C_008 and have since returned to compliance. If you need any additional details please feel free to reach out.

Thank you,

David McElheny
Water Resource Control Engineer
Division of Drinking Water
State Water Resources Control Board
500 N. Central Ave, Suite 500, Glendale, CA 91203
Phone: (818) 551-2050 | Fax: (818) 551-2054
Email: David.McElheny@Waterboards.ca.gov

2

**Attachment 1-8: Email with SWRCB
regarding the Wrightwood system violation**

From: Sharma, Chandrika <Chandrika.Sharma@cpuc.ca.gov>
Sent: Friday, January 12, 2024 10:30 AM
To: Chang, Wei@Waterboards <Wei.Chang@waterboards.ca.gov>
Subject: Question - Notice of Violation for Wrightwood System NO. 3610047

EXTERNAL:

Hi Wei, I am working on the General Rate Case for Golden State Water Company and wanted to reach out to confirm if GSWC's compliance/remediation reports were satisfactory for a notice of violation that occurred in Golden State Water Company's Wrightwood system in 2022 - 05_13_23N_001: MONITORING, ROUTINE MAJOR (WRIGHTWOOD).

Thanks,
Chandrika Sharma, Utilities Engineer (She/her)
Public Advocates Office
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102
chandrika.sharma@cpuc.ca.gov
publicadvocates.cpuc.ca.gov
415-703-2268




From: Chang, Wei@Waterboards <Wei.Chang@waterboards.ca.gov>
Sent: Tuesday, January 16, 2024 1:10 PM
To: Ramirez, Mario@Waterboards <Mario.Ramirez@Waterboards.ca.gov>; Chandrika.Sharma@cpuc.ca.gov
Cc: Baribeau, Helene@Waterboards <Helene.Baribeau@Waterboards.ca.gov>
Subject: FW: Question - Notice of Violation for Wrightwood System NO. 3610047


Chandrka Sharma,

Hello. This system is now under the supervision of a different district. I will have the assigned engineer Mario (his supervisor Dr. Baribeau is copied) answer your question.

Mario- can you please answer Chandrka's question? Thanks!

[EXTERNAL] RE: Question - Notice of Violation for Wrightwood System NO. 3610047

 Ramirez, Mario@Waterboards <Mario.Ramirez@Waterboards.ca.gov>
To: Chang, Wei@Waterboards; Sharma, Chandrika
Cc: Baribeau, Helene@Waterboards
You replied to this message on 1/16/2024 1:26 PM.

 Reply  Reply All  Forward 

Tue 1/16/2024 1:15 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Chandrika,

Yes, I am the assigned DDW engineer for GSWC - Wrightwood and I can confirm that all the corrective actions required under this Notice of Violation have been completed and the public water system is in compliance. Please let me know if you have any other questions.

Thanks,

Mario E. Ramirez
Phone: (909) 383-0003

1

2

Attachment 1-9: DR CHA-012 Water Quality Response from GSWC (Question 1)



November 20, 2023

Chandrika Sharma, Public Advocates Office
CALIFORNIA PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco, CA 94102

Subject: Data Request CHA-012 (A.23-08-010) Water Quality
Due Date: November 20, 2023

Dear Chandrika Sharma,

In response to the above referenced data request number, we are pleased to submit the following responses:

Question 1:

A notice of violation for FAILURE TO FOLLOW PERMIT CONDITIONS FOR PFAS MONITORING AT STUDEBAKER WELL 3 occurred in the Norwalk system because GSWC did not collect samples during October 2022 to analyze PFAS at the LEAD and LAG effluents.

- a. After not collecting the October 2022 samples to analyze PFAS, on what date did GSWC collect and analyze the missing samples and what were the results? Please provide all collection and sampling data and results.
- b. Did GSWC issue a public notification to its customers served by the Norwalk system regarding the violation? If not, why not? If so, please provide a copy of the public notification.
- c. On what date did the Norwalk system resolve this notice of violation and achieve compliance?

Response 1:

- a. GSWC collected and analyzed the November monthly samples on 11/07/2022. PFAS constituents (PFOA, PFOS, PFBS, and PFHxS) that currently have established notification levels and response levels were not detected at both the

lead and the lag effluents. Please see Attachment 1-Q1a for sampling data and results.

- b. GSWC was not required to issue a public notification to its customers served by the Norwalk system regarding the violation because PFOA, PFOS, PFBS, and PFHxS were not detected in the treated water that was delivered to the customers and enforceable standards for PFAS in drinking water have not been established.
- c. Upon discovery of the missing sample, the Norwalk system immediately resolved this notice of violation on 11/07/2022. No further violations have occurred, and the system remains in compliance.

END OF RESPONSE

**Attachment 1-10: DR CHA-002 Water
Quality Response from GSWC (Question 3)**



July 14, 2023

Chandrika Sharma, Public Advocates Office
CALIFORNIA PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco, CA 94102

Subject: Data Request CHA-002 (A.23-XX-0XX) Water Quality
Due Date: July 14, 2023

Dear Chandrika Sharma,

In response to the above referenced data request number, we are pleased to submit the following responses:

Question 1:

Citation NO. 04_07_22C_008 (1,2,3-TRICHLOROPROPANE MONITORING VIOLATION FOR 2020) occurred in the Claremont system.

- a. Please provide a copy of the water quality monitoring plan submitted to the Division of Drinking Water.
- b. Please provide a copy of the letter provided to the Division of Drinking Water that discussed the training provided to staff responsible for overseeing compliance with monitoring and reporting requirements, as well as to staff responsible for sample collection.

Response 1:

- a. [Copy of the water quality monitoring plan is attached.](#)
- b. [Copy of the letter provided to the Division of Drinking water is attached.](#)

Question 2:

Violation 05_13_23N_001 (FOR NITRATE MONITORING VIOLATION FOR 2022) occurred in the Wrightwood system. Please provide details of the corrective actions taken by GSWC to ensure compliance in the future.

Response 2:

The corrective actions taken by GSWC to ensure compliance in the future are as follow:

- a. GSWC conducted a nitrate test on January 30, 2023, resulting in no detection for nitrate.
- b. Routinely conduct water quality testing as required by the Division of Drinking Water's approved Wrightwood System monitoring schedules.
- c. Increase monitoring schedule verification frequency to ensure compliance.

Question 3:

A notice of violation for FAILURE TO FOLLOW PERMIT CONDITIONS FOR PFAS MONITORING AT STUDEBAKER WELL 3 occurred in the Norwalk system.

- a. Is there a violation number associated with this violation? If so, please provide it. If there is not a violation number, please state why not and provide any communications with the Division of Drinking Water regarding this notice of violation.
- b. The Pillai Testimony SR4 SR8 Water Quality – PA testimony states on page 5, lines 1-2, that "no further violations have occurred, and the system remains in compliance." Please provide the expected date the system will be in compliance, as well as a copy of the implementations GSWC took and submitted

Response 3:

- a. The Division of Drinking Water did not issue a violation number for this notice because enforceable standards for PFAS in drinking water have not been established. See Attachment 3_Q3a for the communications with the Division of Drinking Water regarding this notice.
- b. There is a typo in the testimony. It should state that "no further violations have occurred, and the system remains in compliance."

END OF RESPONSE

**Attachment 1-11: DR CHA-015 Water
Quality and CWIP - All Response from
GSWC (Question 1)**



December 6, 2023

Chandrika Sharma, Public Advocates Office
CALIFORNIA PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco, CA 94102

Subject: Data Request CHA-015 (A.23-08-010) Water Quality & CWIP All
Due Date (Extended): December 6, 2023

Dear Chandrika Sharma,

In response to the above referenced data request number, we are pleased to submit the following responses:

The following question is related to water quality.

Question 1:

Why is the violation FAILURE TO FOLLOW PERMIT CONDITIONS FOR PFAS MONITORING AT STUDEBAKER WELL 3 for the Norwalk system not reported on the CA Drinking Water Watch site?

Response 1:

This violation is not reported in the CA Drinking Water Watch site because the Division of Drinking Water did not issue a violation number. A violation number was not issued because enforceable standards for PFAS in drinking water have not been established. In addition, PFAS constituents (PFOA, PFOS, PFBS, and PFHxS) that currently have established notification levels and response levels were not detected in the treated water delivered to the customers.

The following question is related to the Category 4.c CWIP projects listed in the testimony McDonough, Sinagra - Vol 1 CWIP Testimony, Appendix 1 and Attachments A to D - APP. Category 4.c refers to projects approved in the previous GRC that will be completed in the 2020 rate cycle with a change in budget or scope.

**Attachment 1-12: 2022 Annual Report pages
56 and 57**

Lead and Copper Rule Revisions

On December 16, 2021, the U.S. EPA announced the Lead and Copper Rule Revisions under an executive order with a compliance date of October 16, 2024. Additionally, the EPA announced its intention to develop a new proposed rule, the Lead and Copper Rule Improvements ("LCRI") that will further strengthen the regulatory framework prior to the October 2024 compliance date. There are still many unknowns regarding the implementation of the rule. Some of the LCRI requirements may include timely replacement of customer lead service lines, corrosion control treatment, revised lead action levels, customer communications, etc. The details of the requirements will be better understood over the next year once the LCRI is published and a final rule is approved.

Matters Relating to Military Utility Privatization Contracts

Each of the Military Utility Privatization Subsidiaries is responsible for testing the water and wastewater systems on the military bases on which it operates in accordance with applicable law.

Each of the Military Utility Privatization Subsidiaries has the right to seek an equitable adjustment to its contract in the event that there are changes in environmental laws, a change in the quality of water used in providing water service or wastewater discharged by the U.S. government, or contamination of the air or soil not caused by the fault or negligence of the Military Utility Privatization Subsidiary. These changes can impact operations and maintenance and renewal and replacement costs under the contracts. The U.S. government is responsible for environmental contamination due to its fault or negligence and for environmental contamination that occurred prior to the execution of a contract.

Security Issues

We have physical and information security policies throughout our operations. Training on these matters begins during employee orientation and is ongoing through a series of training courses in addition to periodic, unannounced training exercises. We collaborate with various agencies, associations and third parties regarding information on possible threats and security measures for our operations. Risk assessments are conducted periodically to evaluate the effectiveness of existing security controls. These assessments provide areas for additional security focus, new controls, and policy changes.

Both GSWC and BVESI have security systems and infrastructure in place intended to prevent unlawful intrusion, service disruption and cyber-attacks. GSWC and BVESI utilize a variety of physical security measures to protect their facilities. These measures consider advances in security and emergency preparedness technology and relevant industry developments in developing their respective capital-improvement plans, and both intend to seek approval of the CPUC to recover any additional costs that either may incur in enhancing the security, reliability and resiliency of their utility systems.

On October 23, 2018, America's Water Infrastructure Act (AWIA) became law. GSWC must now conduct additional risk and resilience assessments and develop emergency response plans for each of our water systems. These assessments and plans include natural hazards as well as malevolent acts. The first such assessments were completed in 2020. They will be reviewed and resubmitted every five years.

The Military Utility Privatization Subsidiaries operate facilities within the boundaries of military bases, which provide limited access to the general public. To further enhance security, in prior years, certain upgrades were completed at various military bases through contract modifications funded by the U.S. government.

Registrant has evaluated its cyber-security systems and continues to address identified areas of improvement with respect to U.S. government regulations regarding cyber-security of government contractors. These improvements include the physical security at all of the office and employee facilities it operates. Registrant believes it is in compliance with these regulations.

Despite its efforts, Registrant cannot guarantee that intrusions, cyber-attacks or other attacks will not cause water or electric system problems, disrupt service to customers, compromise important data or systems or result in unintended release of customer or employee information.

Water Supply

GSWC

During 2022, GSWC delivered approximately 58.0 million hundred cubic feet ("ccf") of water to its customers, which is an average of about 365 acre-feet per day or 119 million gallons per day (an acre-foot is approximately 435.6 ccf or 326,000 gallons). Approximately 52% of GSWC's supply came from groundwater produced from wells situated throughout GSWC's service areas. GSWC supplemented its groundwater production with wholesale purchases from Metropolitan Water District ("MWD") member agencies and regional water suppliers (roughly 45% of total demand) and with authorized diversions from

rivers (roughly 3%) under agreements with the United States Bureau of Reclamation (“Bureau”) and the Sacramento Municipal Utility District (“SMUD”). GSWC also utilizes recycled water supplies to serve recycled water customers in several service areas. GSWC continually assesses its water rights and groundwater storage assets to maximize use of lower cost groundwater sources where available.

Groundwater

GSWC has a diverse water supply portfolio which includes adjudicated groundwater rights, surface water rights, and a number of unadjudicated water rights to help meet supply requirements. The productivity of GSWC’s groundwater resources varies from year to year depending upon a variety of factors, including natural replenishment from snow-melt or rainfall, the availability of imported replenishment water, the amount of water previously stored in groundwater basins, natural or man-made contamination, legal production limitations, and the amount and seasonality of water use by GSWC’s customers and others. GSWC actively participates in efforts to protect groundwater basins from over-use and from contamination. In some periods, these efforts may require reductions in groundwater pumping and increased reliance on alternative water resources. GSWC also participates in implementation of California’s Sustainable Groundwater Management Act.

From time to time, GSWC may purchase or temporarily use water rights from others for delivery to customers. GSWC has contracts to purchase water or water rights for an aggregate amount of \$3.1 million as of December 31, 2022. Included in the \$3.1 million is a remaining commitment of \$1.5 million under an agreement with the City of Claremont (“the City”) to lease water rights that were ascribed to the City as part of the Six Basins adjudication. The initial term of the agreement expires in 2028. GSWC may exercise an option to renew this agreement for 10 additional years. The remaining \$1.6 million is for commitments for purchased water with other third parties, which expire through 2038.

Imported Water

GSWC also manages a portfolio of water supply arrangements with water wholesalers who may import water from outside the immediate service area. For example, GSWC has contracts with various governmental entities and other parties to purchase water through a total of 58 connections for distribution to customers, in addition to numerous emergency connections. MWD is a public agency organized and managed to provide a supplemental, imported supply to its member public agencies. There are 26 such member agencies, consisting of 14 cities, 11 municipal water districts and one county water authority. GSWC has 45 connections to MWD’s water distribution facilities and those of member agencies. GSWC purchases MWD water through six separate member agencies aggregating 49,767 acre-feet annually. MWD sources its supplies from Northern California via the State Water Project and the Colorado River through the Colorado River Aqueduct, which it owns and operates, and from local programs and transfer arrangements.

MWD currently has supply levels of 1.13 million acre-feet (MAF) with annual demands of approximately 1.71 MAF resulting in a supply gap of 574 thousand acre feet. MWD has available access to store more than 1.65 MAF of water in Lake Mead as part of an intentionally created surplus program developed under a 2007 Interim Shortage agreement and is available for use during dry years. In addition, MWD, along with the seven other Basin states which use water from the Colorado River, developed and agreed to the Drought Contingency Plan in 2019 where each lower Basin state which diverts water from the Colorado River below Lees Ferry agrees to store defined amounts of water in Lake Mead to prevent both Lake Mead and Lake Powell from reaching critically low levels. California is a lower Basin state. On December 1, 2022, the Department of Water Resources set the initial allocation for the water year to 5% due to the possibility that 2023 may be another critically dry year.

Drought Impact

In May 2018, the California Legislature passed two bills that provide a framework for long-term water-use efficiency standards and drought planning and resiliency. The initial steps in implementation of this legislation have been laid out in a summary document by the California Department of Water Resources (“DWR”) and State Water Resources Control Board (“SWRCB”). Over the next several years, State agencies, water suppliers and other entities will be working to meet the requirements and timelines of plan implementation. A notable milestone is the establishment of an indoor water use standard of 55 gallons per capita per day (“gpcd”) until 2025. Legislation signed by the Governor into law in September 2022 has set more stringent indoor standard targets than initially set forth in the 2018 legislation. The indoor standard will now be set at 47 gpcd in 2025 and then reduced to 42 gpcd in 2030 (previously had been set at 52.5 gpcd and 50 gpcd, respectively).

California’s recent period of multi-year drought has resulted in reduced recharge to the state’s groundwater basins. GSWC utilizes groundwater from numerous groundwater basins throughout the state. Several of these basins, especially smaller basins, experienced lower groundwater levels because of the drought. Several of GSWC’s service areas rely on groundwater as their only source of supply. Given the critical nature of the groundwater levels in California’s Central Coast area, GSWC implemented mandatory water restrictions in certain service areas in accordance with CPUC procedures. In the event of water

**Attachment 2-1: 1982 STAFF
MEMORANDUM ON CWIP**

State of California

M E M O R A N D U M

Date : May 11, 1982
(For June 2 Conference)

To : THE COMMISSION

From : M. Abramson, Acting Director, Revenue Requirements Div. *me*
W. R. Ahern, Director, Util. Div. / /
B. Barkovich, Director, Policy Div. *pb*

Subject: Policy for Including CWIP in Rate Base for Water Utilities

RECOMMENDATION: It is recommended that the current policy of including construction work in progress (CWIP) in rate base for water utilities be continued. This should not lead the Commission to endorse a similar policy for energy and telecommunications utilities where construction time often exceeds one year.

SUMMARY: Water utility construction projects require on the average about 4 months to complete. This is a considerably shorter period of time than comparable energy utilities. Approximately 69% of new construction is company funded. New construction approximates 6% of the total plant in service and the amount of company funded CWIP, carried into a succeeding year, is only about 0.4%. Thus the perceived disbenefits of CWIP for ratepayers of (1) reduction in utility risk and thus management efficiency, and (2) intertemporal equity shifts, are minimized for water utilities. The financial benefit of disallowing CWIP in rate base is very small, and would, in the long run, be reduced and made even smaller, by the offsetting revenue requirement increase associated with the interest charges.

DISCUSSION: There are nearly 400 water jurisdictions (companies and districts) under regulation. Because of the inherent difficulty of studying a large number of districts, it was decided that to analyze typical construction projects, a few districts would be chosen as representative of the many systems throughout California. The data came from eight water districts representing

five water companies (see below). The data is from 1980 company records. Our choice was based on readily available data and a desire to include districts of various sizes, water sources and geographical locations.

<u>Name</u>	<u>No. of Customers</u>	<u>County</u>
Asuza Valley Water	15,467	Los Angeles
California American Water Monterey	33,090	Monterey
California Water Service		
East Los Angeles	27,618	Los Angeles
Oroville	3,724	Butte
Selma	3,550	Fresno
South San Francisco	15,395	San Mateo
San Jose Water	187,195	Santa Clara
Southern California Water Calipatria - Niland	1,030	Imperial

Water Utility Construction *

Water projects with significant construction periods fall into five major categories: 1) miscellaneous structures, 2) tanks and reservoirs, 3) transmission and distribution mains, 4) treatment facilities and 5) wells. Transmission and distribution mains represent the largest on-going construction projects. Treatment facilities are usually major projects but are infrequently constructed and as a result the dollar impact in any given year is minimal. The average construction time and project costs for 1980 as a percentage of total plant by categories are:

<u>Category</u>	<u>Construction Time</u>	<u>% of Plant</u>
Miscellaneous Structures	3.1 months	1.2%
Tanks and Reservoirs	6.2	.2
Trans. and Distribution Mains	3.9	4.0
Treatment Facilities	8.3	.5
Wells	2.5	.1

It should be noted that for each category of plant that: 1) the actual construction time is well under a year and 2) the relative cost when compared to total plant is small. The inference here is that the amount of CWIP carried over from one year to the next and the interest earned prior to placing the plant in service are both relatively small. These points are examined later in the discussion.

Plant additions as a percent of total plant averaged 6% for the eight districts. The amount of contributions-in-aid-of-construction as a percentage of plant additions was 9% and the amount of advances for construction represented 22% of plant additions. Therefore, on the average, the companies funded 69% of the plant additions for the year.

The amount of CWIP at year end as a percentage of total plant additions for the year averaged 10%. Viewed another way, the amount of CWIP at year end was about 0.6% of total plant. It is reasonable to assume that the percentage of year-end CWIP that is company funded would approximate the 69% mentioned previously for plant additions in general. Therefore, any company funded CWIP carry-over into a succeeding year would be about 0.4% ($69\% \times 0.6\% = 0.4\%$ approx.) of total plant.

Small Water Utilities Compared to Large Water Utilities

Although this study focuses primarily on Class A water utilities, the results also apply to CWIP inclusion into rate base for the smaller Class B, C and D water utilities. This follows because the types of construction, discussed earlier, are the same for all classes of water utilities. However, the average time to complete construction projects for smaller water utilities would be less, because the projects are smaller. As previously discussed, CWIP carry-over into a succeeding year, the major concern for ratemaking, is minimal for Class A's and would be less for Class B's, C's and D's. A further consideration is the lack of sophistication of many of the smaller water utilities; the burden of adding interest to projects as they are being constructed (i.e., keeping AFUDC accounts), would overwhelm many of them. Therefore, it is concluded that this study applies equally well to all water utilities.

Water Utilities Compared With Energy Utilities

To put water utility CWIP in perspective a comparison with energy utility CWIP is useful. Based on 1980 recorded information for the three largest combination electric and gas utilities the most significant fact is that on the average, CWIP carried over from one year to the next approximates 37% of total plant. This compares with the previously mentioned 0.4% for water utilities. This large year to year carry-over for energy utilities is principally due to the tremendous costs and construction times for electric generation facilities. It is the source of widespread concern (and the basis for current Commission policy disallowing CWIP in rate base for other utilities) that placing CWIP in rate base both (1) reduces utility risk and therefore the incentive to minimize costs, and (2) creates intertemporal equity problems (i.e., current ratepayers pay for plant that benefits later ratepayers).

It is interesting to note that even with the large CWIP carry-over, the average plant additions as a percent of total plant for energy utilities is 7% versus the 6% for water. For the gas operations only, the CWIP carry-over approximates 1.7%, a figure more in line with that for water utilities. This similarity is as expected since both use similar plant such as pumping, storage and transmission facilities.

If the Commission continues to allow CWIP in rate base for water utilities it should make clear that this situation does not lead the Commission to endorse a similar policy for energy and telecommunications utilities.

Commission Policy on Water Utility CWIP

An exhaustive search of past Commission decisions on water utility CWIP in rate base yielded very little in the way of a guide on the subject. The few decisions that were found tended to support traditional thinking, which is based on the argument that the short construction times coupled with relatively small amounts in CWIP for most water construction projects does away with the need for interest during construction. Hence, water utility CWIP has and is being placed directly into rate base for ratemaking.

Although interest bearing CWIP is not allowed in the ratemaking rate base, California American Water Company, Citizen Utilities Company, CP National and Pacific Gas and Electric Company at times have booked interest for major construction projects. These projects were not considered for ratemaking until placed into service. Though all of these water utilities have been in for rate increases in the last 5 years, CWIP in rate base has not been an issue.

Impact of Denying CWIP

To determine the financial impact of denying CWIP in rate base, two recent rate decisions for California Water Service (Bear Gulch and Hermosa-Redondo) were analyzed. In water utility rate proceedings, rates are designed for 3 years (two test years and an attrition year). Because the analysis herein requires a full summary of earnings, only the two test years were analyzed. The attrition year was not examined because no forecast is made of its summary of earnings. However, the result in the attrition year should approximate that of the second test year. The assumptions used in the analysis were: simple interest at 10% per annum on all company funded construction projects, an average construction time of 4 months per project, and the amount of CWIP funded by the company is 69%.

In the Bear Gulch proceeding, D.93845, dated December 15, 1981, the Commission authorized amounts of \$462,600 (or 9.6%) in 1982 and \$268,400 (or 5.0%) in 1983. A recalculation of the adopted results, to reflect the denial of CWIP in rate base yields a reduction in gross revenue requirement of \$43,600 (or 0.9%) in 1982 and \$43,600 (or 0.8%) in 1983.

In the Hermosa-Redondo proceeding, D.820151, dated January 5, 1982, the Commission authorized amounts of \$599,500 (or 12.4%) in 1982 and \$207,700 (or 3.8%) in 1983. A recalculation of the adopted results to reflect the denial of CWIP in rate base yields a reduction in gross revenue requirements of \$25,700 (or 0.5%) in 1982 and \$21,800 (or 0.4%) in 1983.

In these two districts, the impact of removing CWIP from the rate base results in an insignificant reduction, less than 1%, in gross revenues for each of the two test years 1982 and 1983. It is understood that the results are unique to these districts. However, given the short duration of the typical water project and the dollar amounts actually financed by the utility it is reasonable to conclude that similar results would be obtained in most water jurisdictions.

One consideration which we cannot, at this time, give a hard figure for, is the long-term impact of the build-up in interest charges if CWIP is disallowed in rate base for ratemaking. This interest will definitely cause the rate base to be larger than it would be if CWIP is allowed. The revenue requirements for this increase in rate base would tend to reduce the already small benefit of disallowing CWIP in rate base.

WF:wp

**Attachment 2-2: DR CHA-001 (CWIP -
Category 6) attachment CHA-001 Table 1
from GSWC (Question 1)**

BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2023 Balance	2023 Addition	2024 Addition	2025 Addition	2026 Addition	Total Addition	Cancelled/Complete
Construction	Region I	Coastal	6	Los Osos	Los Osos	1452251-99	51	14631301	Los Osos Tank Evaluations	11,935	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region I	Coastal	6	Santa Maria	Santa Maria	1571951-05	51	16000084	Foxen Canyon Plant, Construct Reser	5,858	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region I	Coastal	6	Santa Maria	Santa Maria	1571951-01	54	16000086	Disque, Residual Analyzers	49	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region I	Coastal	6	Santa Maria	Santa Maria	1572251-99	51	15331897	Santa Maria Tank Evaluations	16,151	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region I	Coastal	6	Santa Maria	Santa Maria	1572253-04	53	15331707	Valley View/Roca Ranch PPL Upsize	215,657	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region II	Coastal	6	Simi Valley	Simi Valley	1662251-99	51	16731395	Simi Valley Tank Evaluations	10,305	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region I	Coastal	6	Simi Valley	Simi Valley	1662353-04	53	16731343	Watson Ave, Talbot to Beaver PPL	642,636	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region I	Northern	6	Arden/Cordova	Arden/Cordova	1152153-01	53	11700247	Arden Way Pipeline Abandonment	12,092	\$ -	\$ -	\$ -	\$ -	\$ -	Cancelled
Construction	Region I	Northern	6	Arden/Cordova	Arden/Cordova	1152251-98	51	11700290	Arden Cordova Tank Evaluations	19,696	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region I	Northern	6	Bay Point	Bay Point	1221953-02	53	12411204	Ambrose Ave, Willow Pass to Hill	776,546	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region II	Central	6	Region II	Central Basin East	2172051-98	51	22011304	Studebaker 3 PFAS Treatment	3,223	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region II	Central	6	Region II	Central Basin West	2242151-04	51	22750309	Tract 180 Export Connection, Remove	320	\$ -	\$ -	\$ -	\$ -	\$ -	Cancelled
Construction	Region II	Central	6	Region II	Culver City	2341851-02	51	23611289	v/B-23 Replacement	145,377	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region II	Central	6	Region II	Culver City	2342151-01	51	23611712	Baldwin Hills East and West Tanks	1,524,343	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region III	Foothill	6	Region III	Claremont	3152251-06	51	31731502	Lower D'Neil, Demolish Reservoir	165,532	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region III	Foothill	6	Region III	Claremont	3152351-03	51	31731506	Towne, Demolish Towne Reservoir	273,062	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region III	Foothill	6	Region III	San Gabriel	3302252-98	52	33210521	Extend FH at 1300 Boley St.	13,158	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region III	Mountain/Desert	6	Region III	Apple Valley	3631951-03	51	36800226	Central Plant, Demo Tanks & Piping	337,357	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region III	Mountain/Desert	6	Region III	Barstow	3452353-03	53	34731414	Mtn View Area Main Replacement	44,918	\$ -	\$ -	\$ -	\$ -	\$ -	Cancelled
Construction	Region III	Mountain/Desert	6	Region III	Calipatria	3511052-99	52	35200224	Calipatria Driveway	31,374	\$ -	\$ -	\$ -	\$ -	\$ -	Cancelled
Construction	Region III	Mountain/Desert	6	Region III	Morongo	3572153-01	53	35831025	1st St. Main Replacement	1,696	\$ -	\$ -	\$ -	\$ -	\$ -	Cancelled
Construction	Region III	Mountain/Desert	6	Region III	Morongo	3572254-01	54	35831033	Highway Well-Uranium Treatment	504	\$ -	\$ -	\$ -	\$ -	\$ -	Cancelled
Construction	Region II	Orange County	6	Region III	Los Alamitos	2671953-01	53	26931531	Howard Main Replacement	3,068	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region II	Orange County	6	Region III	Los Alamitos	2672151-01	51	26931912	Ball Plant, Site Improvements	7,609	\$ -	\$ -	\$ -	\$ -	\$ -	Cancelled
Construction	Region II	Orange County	6	Region III	Placentia/Yorba Lind	2721851-99	51	27431184	PSPS Genest Project	52	\$ -	\$ -	\$ -	\$ -	\$ -	Completed
Construction	Region II	Orange County	6	Region III	Placentia/Yorba Lind	2722251-05	51	27531382	La Jolla Site Improvements	1,152	\$ -	\$ -	\$ -	\$ -	\$ -	Cancelled
Construction	Region II	Orange County	6	Region III	Placentia/Yorba Lind	2722254-01	54	27531384	Concerto Uranium Removal Syst	376,321	\$ -	\$ -	\$ -	\$ -	\$ -	Completed

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Cancelled Projects								
Authorized Amount	Construction Start Date	Year Project added to CWIP	Net Book Value at Cancellation	Cancellation Date	Cancellation Reason	Is there a plan for the project to resume in the future? (Yes/No) If yes, then when? If not, then why not?	Additional Comments	
\$108,180	N/A	2020	\$13,882	4/13/2023	Project deferred due to expanded scope of work	Yes, 2026 GRC		
\$123,390	N/A	2020	\$0	1/13/2023	Tract 180 indicated that the interconnection would be required for use during an emergency outage.	No. Tract 180 indicated that the interconnection would be required for use during an emergency outage.	This is one of 3 work orders associated with the current WB-23A project (23611478 and 23611831). This is the first WO for the original 2018 project and we decided to suspend this WO in 2017. The costs incurred were for design and some electrical work on the existing WB-23 vault. This work order will be closed when the new WB-23A is completed.	
\$1,994,940	N/A	2020	\$44,918	7/15/2023	Project deferred due to permitting issues with the City of Barstow. Due to changes in public access to the facility this project is not needed at this time.	Yes, once permitting issues with Barstow have been resolved.		
\$56,687	N/A	2010	\$0	7/15/2023		No. Due to changes in public access to the facility this project is not needed at this time.		
\$269,640	N/A	2020	\$0	7/14/2023	The issues to be resolved by this project will be resolved by the Navajo Booster Zone Looping Project requested in the 2023 GRC Application.	No. The issues to be resolved by this project will be resolved by the Navajo Booster Zone Looping Project requested in the 2023 GRC Application.		
\$678,870	N/A	2020	\$0	4/19/2023	Well was determined to be at the end of its useful life.	No. Well was determined to be at the end of its useful life.		
\$152,910	N/A	2020	\$0	5/15/2023	Scope of work was incorporated in the Ball Fe & Mn Treatment Project. The incurred cost will be transferred to the Ball Fe & Mn Treatment Project (WO #26931917)	No. Scope of work was incorporated in the Ball Fe & Mn Treatment Project.		
\$91,710	N/A	2020	\$0	5/15/2023	Scope of work was incorporated in the La Jolla Well #3 Project. The incurred cost will be transferred to the Ball Fe & Mn Treatment Project (WO #27531352)	No. Scope of work was incorporated in the La Jolla Well #3 Project		

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**Attachment 2-3: DR CHA-001 (CWIP -
Category 6) attachment CHA-001 Table 1
from GSWC (Question 1)**

BGT Type	Company	District	Catego	RMA	CSA	Funding Project	Bc Gr	Work Order	WO Description	12/31/2022 Balance	Cancelled/Complete
Construction	Region I	Northern	6	Arden/Cordova	Arden/Cordova	1152153-01	53	11700247	Arden Way Pipeline Abandonment	12,092	Cancelled
Construction	Region II	Central	6	Region II	Central Basin West	2242151-04	51	22750309	Tract 180 Export Connection, Remove	320	Cancelled
Construction	Region III	Mountain/Desert	6	Region III	Barstow	3452353-03	53	34731414	Mtn View Area Main Replacement	44,918	Cancelled
Construction	Region III	Mountain/Desert	6	Region III	Calipatria	3511052-39	52	35200224	Calipatria Driveway	31,374	Cancelled
Construction	Region III	Mountain/Desert	6	Region III	Morongo	3572153-01	53	35831025	1st St. Main Replacement	1,696	Cancelled
Construction	Region III	Mountain/Desert	6	Region III	Morongo	3572254-01	54	35831033	Highway Well-Uranium Treatment	504	Cancelled
Construction	Region III	Orange County	6	Region III	Los Alamitos	2672151-01	51	26931912	Ball Plant, Site Improvements	7,609	Cancelled
Construction	Region III	Orange County	6	Region III	Placentia/Orba Linda	2722251-05	51	27531382	La Jolla Site Improvements	1,152	Cancelled

Cancelled Projects

Authorized Amount	Construction Start Date	Year Project added to CWIP	Net Book Value at Cancellati	Cancellation Date	Cancellation Reason	Is there a plan for the project to resume in the future? (Yes/No) if yes, then when? If not, then why not?
\$108,180	N/A	2020	\$13,882	4/13/2023	Project deferred due to expanded scope of work	Yes, 2026 GRC
\$123,390	N/A	2020	\$0	1/13/2023	Tract 180 indicated that the interconnection would be required for use during an emergency outage.	No. Tract 180 indicated that the interconnection would be required for use during an emergency outage.
\$1,994,940	N/A	2020	\$44,918	7/15/2023	Project deferred due to permitting issues with the City of Barstow.	Yes, once permitting issues with Barstow have been resolved.
\$56,687	N/A	2010	\$0	7/15/2023	Due to changes in public access to the facility this project is not needed at this time.	No. Due to changes in public access to the facility this project is not needed at this time.
\$269,640	N/A	2020	\$0	7/14/2023	The issues to be resolved by this project will be resolved by the Navajo Booster Zone Looping Project requested in the 2023 GRC Application.	No. The issues to be resolved by this project will be resolved by the Navajo Booster Zone Looping Project requested in the 2023 GRC Application.
\$678,870	N/A	2020	\$0	4/19/2023	Well was determined to be at the end of its useful life.	No. Well was determined to be at the end of its useful life.
\$152,910	N/A	2020	\$0	5/15/2023	Scope of work was incorporated in the Ball Fe & Mn Treatment Project. The incurred cost will be transferred to the Ball Fe & Mn Treatment Project (WO #26931917)	No. Scope of work was incorporated in the Ball Fe & Mn Treatment Project.
\$91,710	N/A	2020	\$0	5/15/2023	Scope of work was incorporated in the La Jolla Well #3 Project. The incurred cost will be transferred to the Ball Fe & Mn Treatment Project (WO #27531352)	No. Scope of work was incorporated in the La Jolla Well #3 Project

**Attachment 2-4: DR CHA-006 CWIP All
Response attachment CHA-006 Table 1 from
GSWC (Questions 1 and 2)**

BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized	
Blankets	Region I	Northern	1	Arden/Cordova Northern HQ	Arden/Cordova Northern District	115221 0-01	B-10	11500193	Replace Truck Vehicle # 2184	85,361	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region I	Northern	1			110231 0-01	B-10	11011046	Replace Vehicle	81,610	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	157221 0-01	B-10	15710659	Replace Truck Vehicle # 500420	85,361	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	157221 0-01	B-10	15710661	Replace Truck Vehicle # 500418	85,361	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	157221 0-01	B-10	15710662	Replace Truck Vehicle # 500827	85,361	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	157221 0-01	B-10	15710663	Replace Truck Vehicle #	85,361	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	157221 0-01	B-10	15710664	Replace Truck Vehicle # 500025	85,361	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	157211 0-01	B-10	15710658	Replace Vehicle	85,361	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region I	Coastal	1	Simi Valley	Simi Valley Central	166211 0-01	B-10	16731349	No.1252 Rpl - Simi Valley	155,526	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region II	Central	1	Region II	Basin East Central	217231 0-01	B-10	21731141	Replace Vehicle #70940	37,456	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Central	1	Region II	Basin East Central	217231 0-01	B-10	21731142	Replace Vehicle #70943	37,456	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Central	1	Region II	Basin East Central	217231 0-01	B-10	21731139	Replace Vehicle	37,456	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Central	1	Region II	Basin East Central	217231 0-01	B-10	21731140	Replace Vehicle #68707	37,456	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Central	1	Region II	Central Basin West	224211 0-01	B-10	22431089	Replace Vehicle #68974	37,456	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region II	Central	1	Region II	Central District	210231 0-01	B-10	21200135	Replace Vehicle	37,456	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Central	1	Region II	Central District	210231 0-01	B-10	21200136	Replace Vehicle	37,456	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Central	1	Region II	Central District	210231 0-01	B-10	21200137	Replace Vehicle 71024	37,456	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Central	1	Region II	Central District Office	210201 0-01	B-10	21011050	Water Supply Vehicle Rplc #69373	5,094	2020	12/31/2023	NA	6/29/2023	2020	
Blankets	Region II	Central	1	Region II	Culver City	234221 0-01	B-10	23431047	Replace Vehicle #71245	37,456	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region II	Southwest	1	Region II	Southwest	247231 0-99	B-10	24700249	Replace Vehicle	33	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Southwest	1	Region II	Southwest	247221 0-01	B-10	24700231	Replace Vehicle	37,456	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region II	Southwest	1	Region II	Southwest	247221 0-01	B-10	24700245	Replace Vehicle	101	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region II	Southwest	1	Region II	Southwest	247231 0-01	B-10	24700248	Replace Vehicle	39,018	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region II	Southwest	1	Region II	Southwest District	240231 0-01	B-10	24011036	Replace Vehicle	37,456	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region III	Orange County	1	Region III	Orange County District	260211 0-01	B-10	26011049	Replace Truck Vehicle # 1297	24,311	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region III	Mountain/Desert	1	Region III	Barstow	345211 0-01	B-10	34510973	Replace Vehicle #50026 6-3/4 ton	47,254	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	272231 0-01	B-10	27210649	Truck Replacement for Unit #1109	51,527	2020	12/31/2023	NA	6/29/2023	2023	
Blankets	Region III	Mountain/Desert	1	Region III	Wrightwood	371211 0-01	B-10	37110933	Replace Vehicle #68693-3/4 ton	91,247	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region III	Mountain/Desert	1	Region III	Barstow	345211 0-01	B-10	34510972	Replace Vehicle #50008 6-3/4 ton	87,993	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region III	Mountain/Desert	1	Region III	Apple Valley	363211 0-01	B-10	36331041	Replace Vehicle #50174 8-3/4 ton	91,247	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region III	Orange County	1	Region III	Orange County District	260211 0-01	B-10	26011050	Replace Truck Vehicle # 69349	85,361	2020	12/31/2023	NA	6/29/2023	2021	
Blankets	Region III	Orange County	1	Region III	Los Alamitos	267221 0-01	B-10	26700116	Replace Truck Vehicle # 1216	85,361	2020	12/31/2023	NA	6/29/2023	2022	
Blankets	Region III	Foothill	1	Region III	Claremont	315211 0-01	B-10	31500117	Replace Vehicle #69412 3/4 ton	85,361	2020	12/31/2023	NA	NA (UNB initiated after 2020 GRC application)	2021	
Blankets	Region III	Foothill	1	Region III	Claremont	315211 0-01	B-10	31500118	Replace Vehicle #1239-3/4 ton	85,361	2020	12/31/2023	NA	NA (UNB initiated after 2020 GRC application)	2021	
Blankets	Region III	Foothill	1	Region III	San Gabriel	330221 0-01	B-10	33000117	Replace Vehicle #1182-3/4 ton	85,361	2020	12/31/2023	NA	6/29/2023	2022	
										2,111,305						

**Attachment 2-5: DR CHA-006 CWIP All
Response attachment CHA-006 Table 1 from
GSWC (Questions 1 and 2)**

BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance
1 Construction	Region III	Mountain /Desert	4d	Region III	Morongo	3571051-01	51	35931007	Mojave Booster Station	789,310

WO Description	12/31/2022 Balance	2023 Addition	2024 Addition	2025 Addition	2026 Addition	Total Addition	Project Added to CWIP	Project Completion Date as of	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	Period (Years) Project
2 Mojave Booster Station	789,310	50,000	1,250,000	1,520,890	-	2,820,890	2011	3/31/2025	22%	6/29/2023	2021

**Attachment 2-6: DR CHA-006 CWIP All
Response attachment CHA-006 Table 1 from
GSWC (Question 1)**

BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152210-	B-10	11500193	Replace Truck Vehicle # 2184	85,361	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Northern HQ	Northern District Office	1102310-	B-10	11011046	Replace Vehicle #503394	81,610	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central District Office	2102010-	B-10	21011050	Water Supply Vehicle Rpic VM69373	5,094	2020	12/31/2023	NA	6/29/2023	2020
Blankets	Region II	Central	1	Region II	Central District Office	2102310-	B-10	21200135	Replace Vehicle #502426	37,456	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central District Office	2102310-	B-10	21200136	Replace Vehicle #502427	37,456	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central District Office	2102310-	B-10	21200137	Replace Vehicle 71024	37,456	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172310-	B-10	21731139	Replace Vehicle #501370	37,456	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172310-	B-10	21731140	Replace Vehicle #68707	37,456	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172310-	B-10	21731141	Replace Vehicle #70940	37,456	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172310-	B-10	21731142	Replace Vehicle #70943	37,456	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin West	2242110-	B-10	22431089	Replace Vehicle #68974	37,456	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region II	Central	1	Region II	Culver City	2342210-	B-10	23431047	Replace Vehicle #71245	37,456	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region II	Southwest	1	Region II	Southwest District Office	2402310-	B-10	24011036	Replace Vehicle #502746	37,456	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Southwest	1	Region II	Southwest	2472210-	B-10	24700231	Replace Vehicle #501203	37,456	2020	12/31/2023	NA	6/29/2023	2022

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Blankets	Region II	Southwest	1	Region II	Southwest	2472210-	B-10	24700245	Replace Vehicle 502248	101	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region II	Southwest	1	Region II	Southwest	2472310-	B-10	24700248	Replace Vehicle 504164	39,018	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Southwest Orange	1	Region II	Southwest	2472310-	B-10	24700249	Replace Vehicle 509030	33	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	County Orange	1	Region III	Orange County District	2602110-	B-10	26011049	Replace Truck Vehicle # 1297	24,311	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	County Orange	1	Region III	Orange County District	2602110-	B-10	26011050	Replace Truck Vehicle # 69349	85,361	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	County Orange	1	Region III	Los Alamitos	2672210-	B-10	26700116	Replace Truck Vehicle # 1216	85,361	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Foothill	1	Region III	Claremont	3152110-	B-10	31500117	Replace Vehicle#69412 3/4 ton	85,361	2020	12/31/2023	NA	NA (UNB init	2021
Blankets	Region III	Foothill	1	Region III	Claremont	3152110-	B-10	31500118	Replace Vehicle#1239-3/4 ton	85,361	2020	12/31/2023	NA	NA (UNB init	2021
Blankets	Region III	Foothill	1	Region III	San Gabriel	3302210-	B-10	33000117	Replace Vehicle#1182-3/4 ton	85,361	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Mountain/Desert	1	Region III	Barstow	3452110-	B-10	34510972	Replace Vehicle#500086-3/4 ton	87,993	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Mountain/Desert	1	Region III	Barstow	3452110-	B-10	34510973	Replace Vehicle#500266-3/4 ton	47,254	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Mountain/Desert	1	Region III	Apple Valley	3632110-	B-10	36331041	Replace Vehicle#501748-3/4 ton	91,247	2020	12/31/2023	NA	6/29/2023	2021

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Blankets	Region III	Mountain/Desert	1	Region III	Wrightwood	3712110	B-10	37110933	Replace Vehicle#68693-3/4 ton Truck	91,247	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722310	B-10	27210649	Truck Replacement for Unit #1109	51,527	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572110	B-10	15710658	Replace Vehicle 500826	85,361	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572210	B-10	15710659	Replace Truck Vehicle # 500420	85,361	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572210	B-10	15710661	Replace Truck Vehicle # 500418	85,361	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572210	B-10	15710662	Replace Truck Vehicle # 500827	85,361	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572210	B-10	15710663	Replace Truck Vehicle # 68589	85,361	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572210	B-10	15710664	Replace Truck Vehicle # 500025	85,361	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Simi Valley	Simi Valley	1662110	B-10	16731349	Vehicle No.1252 Rpl - Simi Valley	155,526	2020	12/31/2023	NA	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3571051	51	35931007	Mojave Booster Station	789,310	2011	3/31/2025	22%	6/29/2023	2021
Construct	Region II	Southwest	4d	Region II	Southwest	2471154	54	25003254	Chadron Plant - Site Remediation Edna, Drill & Equip Well	66,285	2011	12/1/2026	90%	6/29/2023	2021, 2022 & 2023
Construct	Region I	Coastal	4b	Los Osos	Los Osos	1451251	41	14700120	Water Supp Linda Vista	62,118	2012	5/1/2023	35%	6/29/2023	2022
Construct	Region III	Mountain/Desert	4c	Region III	Barstow	3451151	51	34731080	Reservoir	1,826,431	2012	10/1/2023	91%	6/29/2023	2021

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region III	Mountain/Desert	4c	Region III	Barstow	3451251	41	34731074	Irwin Reservoir & Transmission Main	4,632,966	2012	10/1/2023	94%	6/29/2023	2021, 2022 & 2023
Construct	Region II	Central	4c	Region II	Culver City	2341352	52	23611172	Higuera Bridge	861,673	2013	11/1/2023	81%	6/29/2023	2022 & 2023
Construct	Region III	Mountain/Desert	4c	Region III	Barstow	3451251	51	34731179	Rimrock Tank Demo/PRV Installation	9,768	2014	12/31/2023	5%	6/29/2023	2020
Construct	Region III	Mountain/Desert	4b	Region III	Wrightwood	3711551	51	37231060	Sheep Creek Res & Pipe USFS Easemnt	463,887	2014	3/31/2024	66%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4a	Region III	Morongo	3571554	54	35831013	Elm Well-Uranium Removal System	906,862	2014	12/31/2023	95%	6/29/2023	2020
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1451751	51	14631080	Cabrillo Tank - Demolish Reservoir	74,368	2015	12/31/2024	75%	6/29/2023	2021
Construct	Region II	Southwest	4c	Region II	Southwest	2471851	51	25031569	Remote Valve Control at 9 MWD	1,165,069	2015	12/1/2023	89%	6/29/2023	2020
Construct	Region II	Southwest	4a	Region II	Southwest	2471851	51	25031571	SCADA at 4 Zone Break PRVs	1,101,778	2015	6/1/2023	95%	6/29/2023	2020
Construct	Region III	Mountain/Desert	4d	Region III	Apple Valley	3631651	51	36400253	APV South SCADA Ph.III	12,451	2016	12/1/2024	1%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Apple Valley	3631751	51	36700114	Lucerne Valley SCADA	818	2016	8/1/2024	1%	6/29/2023	2021 & 2022
Construct	Region III	Mountain/Desert	4d	Region III	Apple Valley	3631651	51	36600214	APV North SCADA Ph.III	82,882	2016	8/1/2024	35%	6/29/2023	2021
Construct	Region II	Southwest	4c	Region II	Southwest	2471853	53	25031761	St. Andrews Area Main Replacement	2,750,647	2016	10/1/2023	90%	6/29/2023	2021 & 2022

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region III	Mountain/Desert	4c	Region III	Barstow	3451651-51		34731254	College Reservoir Seismic Coupling	227,341	2016	9/30/2023	91%	6/29/2023	2020
Construct	Region I	Coastal Mountain/Desert	4d	Los Osos	Los Osos	1451951-41		14700155	Jack Ranch, Construct	9,260	2017	11/1/2024	1%	6/29/2023	2021 & 2022
Construct	Region III	Desert	4b	Region III	Morongo	3571953-53		35831018	Navajo Booster Zone Expansion	52,070	2017	3/31/2024	1%	6/29/2023	2021
Construct	Region III	Orange County Mountain/Desert	4d	Region III	Placentia/Yorba Linda	2721751-51		27611071	College Mdfy Reservoir Overflow	71,165	2017	6/1/2024	5%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4b	Region III	Morongo	3571651-41		35931059	Mojave Reservoir Wrightwood	72,577	2017	3/31/2025	5%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Wrightwood	3711951-51		37231117	SCADA Phase III	3,117	2017	3/31/2025	7%	6/29/2023	2022
Construct	Region III	Mountain/Desert	4d	Region III	Claremont	3151951-51		31731381	Claraboya Booster Station Upgr	115,988	2017	6/1/2024	8%	NA (UNB init	2021
Construct	Region III	Mountain/Desert	4b	Region III	Barstow	3451951-51		34731304	Basalt, Demo Plant	35,416	2017	2/1/2024	8%	6/29/2023	2020
Construct	Region III	Mountain/Desert	4c	Region III	Barstow	3451951-51		34731306	Destroy Wells-Bradshaw, Agate, Arro	40,621	2017	12/31/2023	8%	6/29/2023	2020
Construct	Region III	Foothill	4d	Region III	San Gabriel	3301951-51		33331213	Teresa, Electrical Upgr	379,813	2017	9/1/2024	10%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3571951-51		35831017	Morongo Del Norte SCADA Ph.III	69,001	2017	4/1/2024	12%	6/29/2023	2021
Construct	Region II	Central	4c	Region II	Culver City	2341853-53		23611439	Overland Over Ballona Creek	109,772	2017	1/1/2024	13%	6/29/2023	2021

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3571951-51		35931066	Morongo Del Sur SCADA Ph.III	67,774	2017	2/1/2024	16%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Wrightwood	3711951-51		37231116	Gov't Canyon Improve Site	227,252	2017	1/31/2024	16%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4a	Region III	Barstow	3451951-51		34731308	Barstow SCADA Upgrades	11,130	2017	12/31/2023	21%	6/29/2023	2023
Construct	Region I	Coastal	4b	Los Osos	Los Osos	1451953-53		14631146	LosOsos Valley Rd, Palisades to 10th	26,806	2017	1/1/2024	36%	6/29/2023	2022
Construct	Region III	Mountain/Desert	4c	Region III	Calipatria	3511951-51		35231109	Blair Booster Station, Improve Fac	335,290	2017	10/1/2023	54%	6/29/2023	2020
Construct	Region III	Foothill	4d	Region III	Claremont	3151954-54		31731384	Del Monte Treatment and Booster Sta	3,126,427	2017	1/1/2024	66%	NA (UNB init	2021 & 2022
Construct	Region III	Foothill	4c	Region III	San Dimas	3211751-51		32631385	Baseline Well No. 5	2,443,746	2017	11/1/2023	80%	NA (UNB init	2021
Construct	Region III	Mountain/Desert	4a	Region III	Apple Valley	3631951-51		36700124	Meb Destroy Well & Raze Site	142,755	2017	9/1/2023	80%	6/29/2023	2020
Construct	Region III	Mountain/Desert	4a	Region III	Apple Valley	3631951-51		36400276	Mohawk & Bear Valley Wells- Repl MCC	303,462	2017	11/1/2023	84%	6/29/2023	2020
Construct	Region III	Mountain/Desert	4c	Region III	Wrightwood	3711951-51		37231118	Lone Pine Plant, Demo Tank	160,824	2017	9/30/2023	88%	6/29/2023	2022
Construct	Region II	Southwest	4c	Region II	Southwest	2471953-53		25031927	161st Street Area Main Replacement	2,860,220	2017	9/1/2023	91%	6/29/2023	2020
Construct	Region II	Southwest	4a	Region II	Southwest	2471954-54		25031932	Nitrification Control in Reservoirs	943,275	2017	11/1/2023	91%	6/29/2023	2020

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Construct	Region III	Foothill	4c	Region III	San Dimas	3211951-51	51	32631423	Eaglecliff, Electrical Upgr Old Foothill Blvd Main	1,208,296	2017	10/1/2023	94%	NA (UNB init)	2021
Construct	Region III	Orange County	4c	Region III	Placentia/Yorba Linda	2721953-53	53	27431149	Replacement	2,125,947	2017	8/1/2023	94%	6/29/2023	2020
Construct	Region III	Foothill	4a	Region III	San Dimas	3211951-51	51	32631422	Replace Electrical	859,540	2017	9/1/2023	94%	NA (UNB init)	2021
Construct	Region III	Mountain/Desert	4c	Region III	Apple Valley	3631751-51	51	36400259	Kiowa Reservoir & Booster Station New WB23A	4,011,274	2017	10/31/2023	95%	6/29/2023	2020
Construct	Region II	Central	4d	Region II	Culver City	2341951-51	51	23611478	Piping - Phase I No. 4 & 5 -	1,218,856	2017	10/1/2023	95%	6/29/2023	2021 & 2022
Construct	Region II	Southwest Mountain/Desert	4a	Region II	Southwest	2471954-54	54	25031937	Treatment Niland Plant, Demo	2,233,127	2017	10/1/2023	95%	6/29/2023	2021 & 2022
Construct	Region III	Mountain/Desert	4c	Region III	Calipatria	3511951-51	51	35231107	Beryl, Demo Plant	224,363	2017	3/1/2023	96%	6/29/2023	2020
Construct	Region III	Desert	4c	Region III	Barstow	3451951-51	51	34731305		676,437	2017	11/30/2023	98%	6/29/2023	2020
Construct	Region I	Coastal	4d	Santa Maria	Santa Maria	1571753-53	53	16400031	NCS Pipeline LaVereda, Replace Site Drain	2,084,630	2017	NCS controls the final completion date	99%	6/29/2023	2021
Construct	Region III	Orange County	4a	Region III	Placentia/Yorba Linda	2721951-51	51	27431154	Fitzgerald Plant, Booster Station Larkridge, Drain Modify-Boosterincr	49,156	2018	10/1/2023	31%	6/29/2023	2021
Construct	Region I	Coastal	4c	Simi Valley	Simi Valley	1661951-51	51	16731228		519,809	2018	11/1/2023	70%	6/29/2023	2021
Construct	Region III	Orange County	4c	Region III	Placentia/Yorba Linda	2721951-51	51	27611083		927,970	2018	12/1/2023	80%	6/29/2023	2021

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Construct	Region I	Coastal	4c	Los Osos	Los Osos	1451851-51	51	14700173	Country Club Res. Retaining Wall	30,786	2019	9/1/2023	40%	6/29/2023	2021
Construct	Region I	Coastal	4d	Santa Maria	Santa Maria	1571751-41	41	15931602	Kelt Reservoir	370,310	2019	9/1/2024	95%	6/29/2023	2021 & 2022
Construct	Region II	Southwest	4c	Region II	Southwest	2471951-51	51	25032208	Dalton Plant Treatment Improvement	3,244,123	2019	10/1/2023	97%	6/29/2023	2021 & 2022
Construct	Region III	Orange County	4d	Region III	Placentia/Yorba Linda	2722351-51	51	27431222	Clearview Reservoirs & Pump Station	83,496	2020	12/30/2024	0%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4a	Region III	Wrightwood	3712151-51	51	37231139	Destroy Buford Canyon Well 2	66	2020	12/31/2023	0%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Calipatria	3512353-53	53	35231141	Noffsinger Rd. Transmission Main	46,244	2020	7/31/2024	1%	6/29/2023	2023
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1452251-51	51	14631254	Los Osos New Well Study	1,670	2020	10/1/2024	2%	6/29/2023	2022
Construct	Region II	Central	4d	Region II	Culver City	2342353-53	53	23611756	Wrightcrest Dr. Area Main Rplc	43,419	2020	6/1/2024	2%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Wrightwood	3712251-51	51	37231150	Sheep Creek Reservoir	127,352	2020	12/31/2026	2%	6/29/2023	2022
Construct	Region III	Orange County	4b	Region III	Placentia/Yorba Linda	2722353-53	53	27531380	Moonbeam St AMR	17,044	2020	11/1/2023	4%	6/29/2023	2023
Construct	Region III	Foothill	4d	Region III	San Gabriel	3302251-51	51	33331286	Saxon Plant, Construct 0.75 MG Rese	32,008	2020	12/31/2024	4%	6/29/2023	2022
Construct	Region II	Central	4d	Region II	Central Basin West	2242251-51	51	22750310	Well Replacement, Gage Well 2	59,578	2020	9/1/2025	5%	6/29/2023	2022

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Construct	Region II	Central	4d	Region II	Central Basin West	2242251-51		22811343	Well Replacement, Miramonte Well 1	73,433	2020	9/1/2025	5%	6/29/2023	2022
Construct	Region II	Central	4d	Region II	Central Basin West	2242251-51		23011156	Well Replacement, Willowbrook Well	87,802	2020	10/1/2025	5%	6/29/2023	2022
Construct	Region III	Foothill	4d	Region III	San Gabriel	3302351-51		33210467	Jeffries Plant, Construct Booster S	217,803	2020	12/31/2024	5%	6/29/2023	2023
Construct	Region II	Central	4b	Region II	Central Basin West	2242150-50		22811345	Systemwide, Replacement Well Land A	5,979	2020	Cancelled	6%	6/29/2023	2021
Construct	Region II	Central	4d	Region II	Central Basin East	2172251-51		21911357	Roseton Plant, New Tank and Booster	420,927	2020	7/1/2025	6%	6/29/2023	2022
Construct	Region III	Mountain/Desert	4a	Region III	Barstow	3452353-53		34731410	Ave E Main Replacement	34,046	2020	7/31/2023	6%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4c	Region III	Barstow	3452151-51		34731413	Lenwood Seismic Couplings	47,042	2020	12/31/2023	8%	6/29/2023	2021
Construct	Region II	Central	4d	Region II	Central Basin West	2242251-51		22911153	CBW New CB-MWD interconnection	98,817	2020	2/1/2026	11%	6/29/2023	2022
Construct	Region III	Foothill	4d	Region III	San Gabriel	3302351-51		33331288	Saxon Plant, Install Booster Statio	70,524	2020	8/31/2025	13%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3572151-51		35831034	Navajo Booster Station	285,969	2020	1/1/2025	13%	6/29/2023	2021

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Construct	Region I	Coastal Orange	4d	Santa Maria	Santa Maria	1572351-51		15931709	Crescent Well 1 Site Improvements	96,747	2020	7/1/2024	15%	6/29/2023	2023
Construct	Region III	County	4c	Region III	Placentia/Yorba Linda	2722153-51		27531370	La Jolla Replace Discharge Piping	114,229	2020	1/1/2024	15%	6/29/2023	2021
Construct	Region II	Central	4d	Region II	Central Basin West	2242253-53		22911154	Center St AMR	327,234	2020	1/1/2024	16%	6/29/2023	2022
Construct	Region I	Coastal	4a	Santa Maria	Santa Maria	1572251-51		15800126	Lake Marie Plant, Booster D and Gen	117,034	2020	1/1/2024	20%	6/29/2023	2022
Construct	Region I	Coastal	4d	Simi Valley	Simi Valley	1662251-51		16731334	Pineview Reservoir Improvements	56,533	2020	12/1/2023	20%	6/29/2023	2022
Construct	Region III	Foothill	4a	Region III	San Gabriel	3302251-51		33331287	Well Replacement, Saxon Well #3	404,272	2020	8/1/2025	24%	6/29/2023	2022
Construct	Region II	Central	4b	Region II	Culver City	2342253-53		23611755	Westwood & Virginia Area Main Rplc	55,638	2020	11/1/2023	24%	6/29/2023	2022
Construct	Region I	Coastal	4c	Santa Maria	Santa Maria	1572251-51		15931704	Kenneth Plant, Disinfection Fac.	67,339	2020	2/1/2024	25%	6/29/2023	2022
Construct	Region I	Coastal	4d	Santa Maria	Santa Maria	1572251-51		15931705	Woodmere Plant, Disinfection Fac.	68,718	2020	8/1/2023	25%	6/29/2023	2022
Construct	Region II	Southwest	4d	Region II	Southwest	2472351-51		25032424	Chadron Plant Upgrade Booster Sta.	165,562	2020	8/1/2024	27%	6/29/2023	2023
Construct	Region I	Northern	4d	Arden/Cordova	Arden/Cordova	1152151-51		11811753	Coloma WTP, Recoat Reservoir 2	19,762	2020	6/1/2024	28%	6/29/2023	2021
Construct	Region III	Foothill	4d	Region III	San Gabriel	3302251-51		33210464	Encinita Plant, New Field Office	16,423	2020	12/1/2024	28%	6/29/2023	2022

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Construct	Region II	Central	4a	Region II	Central Basin West	2242151-51		22750308	Gage Plant, Relocate Drainline	58,565	2020	6/1/2024	30%	6/29/2023	2021
Construct	Region III	Foothill	4d	Region III	Claremont	3152251-51		31731519	Indian Hill North, Repl. Booster St Sunflower Well	300,268	2020	8/1/2024	30%	NA (UNB init)	2022
Construct	Region III	Foothill	4d	Region III	San Dimas	3212251-51		32631569	No. 1 Hurley Way Pipeline	779,827	2020	11/1/2024	40%	NA (UNB init)	2022
Construct	Region I	Northern	4d	Arden/Cordova	Arden/Cordova	1152153-53		11700248	Meyer Rd. AMR	22,798	2020	5/31/2026	42%	6/29/2023	2021 & 2022
Construct	Region II	Central	4d	Region II	Central Basin East	2172153-53		22011286		6,667	2020	7/1/2025	44%	6/29/2023	2021
Construct	Region II	Central Mountain/	4a	Region II	Central Basin West	2242253-53		22750311	Crafton Ave. Area Main Replacements	82,774	2020	12/1/2023	45%	6/29/2023	2022
Construct	Region III	Desert	4c	Region III	Apple Valley	3632351-53		36700141	Destroy Pawnee Well	68,457	2020	9/1/2023	46%	6/29/2023	2023
Construct	Region III	Foothill Mountain/	4d	Region III	San Dimas	3212151-51		32631543	Drill & Equip Baseline 6, Destroy 3	2,364,218	2020	4/1/2024	57%	NA (UNB init)	2021
Construct	Region III	Desert	4b	Region III	Barstow	3452351-51		34731411	Bear Valley Phase 3	804,305	2020	8/1/2024	59%	6/29/2023	2023
Construct	Region I	Coastal Orange County	4d	Santa Maria	Santa Maria	1572351-51		15931710	Orcutt System SCADA	87,363	2020	10/1/2024	60%	6/29/2023	2023
Construct	Region III	Mountain/	4d	Region III	Placentia/Yorba Linda	2722251-51		27531352	La Jolla Well #3 Barstow SCADA (R3 Imprmts 2021)	2,005,881	2020	9/1/2024	60%	6/29/2023	2022
Construct	Region III	Desert	4d	Region III	Barstow	3452151-51		34731417	108th - 110th Street AMR	1,085,312	2020	7/1/2024	60%	6/29/2023	2021
Construct	Region II	Southwest	4a	Region II	Southwest	2472353-53		25032357		1,885,164	2020	10/1/2023	62%	6/29/2023	2023

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Construct	Region III	Orange County	4c	Region III	Placentia/Yorba Linda	2722251-51		27431221	Hunting Horn, Reservoir Retrofit Jeffries Plant, Construct 1.25 MG R	1,039,741	2020	4/1/2024	62%	6/29/2023	2022
Construct	Region III	Foothill	4a	Region III	San Gabriel	3302351-51		33210466	College, Arrow to 1st St.	1,143,511	2020	12/31/2023	62%	6/29/2023	2023
Construct	Region III	Foothill	4c	Region III	Claremont	3151953-53		31731497	Cypress Ridge Well Land Acquisition South Bridge Plant	127,322	2020	12/31/2023	64%	NA (UNB init)	2020
Construct	Region I	Coastal	4b	Santa Maria	Santa Maria	1572150-50		16400106	Disinfection Fac	329,709	2020	6/30/2024	65%	6/29/2023	2021
Construct	Region I	Northern	4c	Arden/Cordova	Arden/Cordova	1152354-54		11811751	Bay Point, Systemwide SCADA	48,183	2020	9/1/2023	70%	6/29/2023	2023
Construct	Region I	Northern	4b	Bay Point	Bay Point	1222351-51		12411327	Highland to Cabrillo Pipeline	162,598	2020	1/1/2025	70%	6/29/2023	2023
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1452153-53		14631241	Meredith St AMR	67,888	2020	12/1/2023	70%	6/29/2023	2021
Construct	Region III	Foothill	4c	Region III	Claremont	3152153-53		31731517	Country Club Pl Selenium Treatment	1,728,473	2020	10/1/2023	72%	NA (UNB init)	2021 & 2022
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1452354-54		14700192	Ball Well 1, Fe & Mn Removal System	172,848	2020	5/1/2024	75%	6/29/2023	2023
Construct	Region III	Orange County	4a	Region III	Los Alamitos	2672354-54		26931917	APV Desert View Chlorine Analyzers	1,630,301	2020	11/1/2023	81%	6/29/2023	2023
Construct	Region III	Mountain/	4a	Region III	Apple Valley	3632354-54		36500088		26,192	2020	10/31/2023	82%	6/29/2023	2023

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Construct	Region III	Foothill	4c	Region III	San Dimas	3212151-51		32631568	Highway Plant, Replace Reservoir	753,459	2020	10/1/2023	86%	NA (UNB init	2021
Construct	Region II	Central	4d	Region II	Central Basin East	2172151-51		21911340	Massinger Well Replc. - Armstrong	875,863	2020	11/1/2024	87%	6/29/2023	2021
Construct	Region III	Foothill	4c	Region III	San Dimas	3212353-53		32631570	W Arrow Hwy Coloma WTP, Filter Backwash	1,635,979	2020	10/1/2023	87%	NA (UNB init	2023
Construct	Region I	Northern	4d	Arden/Cordova	Arden/Cordova	1152351-51		11811748	Coloma WTP Replc Filter Media N4&N5	90,374	2020	1/1/2024	88%	6/29/2023	2023
Construct	Region I	Northern	4a	Arden/Cordova	Arden/Cordova	1152354-54		11811750	Transmission Pipeline	49,100	2020	8/1/2023	88%	6/29/2023	2023
Construct	Region I	Coastal	4d	Santa Maria	Santa Maria	1572153-53		15931703	Replace CR Reservoir 2 (South)	165,450	2020	6/1/2024	90%	6/29/2023	2021
Construct	Region I	Coastal	4c	Santa Maria	Santa Maria	1572351-51		16400107	Replace EI Campo Reservoir 2	261,999	2020	9/1/2023	90%	6/29/2023	2021 & 2023
Construct	Region I	Coastal	4d	Santa Maria	Santa Maria	1572351-51		16400108	Sycamore Well 2, Destroy Well	23,886	2020	4/1/2024	90%	6/29/2023	2023
Construct	Region I	Coastal	4c	Simi Valley	Simi Valley	1662251-51		16731335	Walnut Dr. AMR	11,809	2020	7/1/2023	90%	6/29/2023	2022
Construct	Region II	Central	4a	Region II	Central Basin West	2242353-53		22811324	Farna Tank - Perform seismic upgrad	3,620,797	2020	11/1/2023	90%	6/29/2023	2023
Construct	Region III	Foothill	4c	Region III	San Gabriel	3302151-51		33210463	Cameo Well #1	260,499	2020	8/1/2023	91%	6/29/2023	2021
Construct	Region I	Coastal	4d	Santa Maria	Santa Maria	1572351-51		16400109	Clarkdale &	1,272,006	2020	10/1/2023	93%	6/29/2023	2023
Construct	Region II	Central	4a	Region II	Central Basin East	2172253-53		21911360		482,730	2020	10/1/2023	93%	6/29/2023	2022

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Construct	Region III	Orange County	4c	Region III	Placentia/Yorba Linda	2722253-53		27431214	Murray Lane Main Replacement	871,262	2020	8/1/2023	93%	6/29/2023	2022
Construct	Region III	Mountain/Desert	4a	Region III	Barstow	3452354-54		34731400	Barstow Chlorine Residual Monitors	172,976	2020	10/31/2023	94%	6/29/2023	2023
Construct	Region I	Northern	4c	Arden/Cordova	Arden/Cordova	1152153-53		11811755	Mills Park Dr. Pipeline	36,779	2020	8/1/2023	95%	6/29/2023	2021
Construct	Region II	Central	4a	Region II	Central Basin West	2242253-53		22811323	Wilmington AMR Ph II	3,307,439	2020	6/1/2023	95%	6/29/2023	2022
Construct	Region II	Central	4a	Region II	Central Basin West	2242353-53		22811344	Prince Ave. Area Main Replacements	1,971,132	2020	10/1/2023	95%	6/29/2023	2023
Construct	Region II	Central	4a	Region II	Culver City	2342253-53		23611714	Madison Avenue AMR	2,213,159	2020	10/1/2023	95%	6/29/2023	2022
Construct	Region II	Central	4a	Region II	Culver City	2342253-53		23611715	Purdue Avenue AMR	2,475,460	2020	10/1/2023	95%	6/29/2023	2022
Construct	Region II	Southwest	4a	Region II	Southwest	2472251-51		25032377	Yukon Wells 4 and 5, Destroy	87,601	2020	8/1/2023	95%	6/29/2023	2022
Construct	Region II	Southwest	4a	Region II	Southwest	2472353-53		25032366	Firmona Ave AMR	1,900,556	2020	1/1/2023	95%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4c	Region III	Morongo	3572254-54		35831032	Morongo Del Norte Chlorine Analyzer	56,432	2020	10/31/2023	96%	6/29/2023	2022
Construct	Region II	Southwest	4c	Region II	Southwest	2472153-53		25032370	122nd Street AMR	1,004,174	2020	7/1/2023	96%	6/29/2023	2021
Construct	Region II	Central	4a	Region II	Central Basin East	2172353-53		22011303	Volunteer Ave AMR	4,363,589	2020	12/1/2023	97%	6/29/2023	2023
Construct	Region III	Orange County	4a	Region III	Placentia/Yorba Linda	2722353-53		27431213	Greenbrier Main Replacement	1,332,653	2020	8/1/2023	97%	6/29/2023	2023

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Construct	Region III	Mountain/Desert	4a	Region III	Apple Valley	3632354	54	36600259	APV North Chlorine Analyzers	29,010	2020	10/31/2023	97%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4a	Region III	Morongo	3572154	54	35931095	Morongo Del Sur Chlorine Analyzers	19,336	2020	10/31/2023	97%	6/29/2023	2022
Construct	Region I	Coastal	4d	Simi Valley	Simi Valley	1662351	51	16731341	Simi Valley System SCADA	814,057	2020	9/1/2024	98%	6/29/2023	2023
Construct	Region II	Central	4a	Region II	Central Basin East	2172153	53	21911359	Elaine Ave AMR	1,820,498	2020	3/1/2023	98%	6/29/2023	2021
Construct	Region III	Orange County	4a	Region III	Los Alamitos	2672353	53	26931916	Ruth Elaine Dr Area Main Replacemen	2,660,138	2020	7/1/2023	98%	6/29/2023	2023
Construct	Region III	Foothill	4c	Region III	Claremont	3152253	53	31731521	Cinderella Dr AMR	2,180,322	2020	9/1/2023	99%	NA (UNB init	2022
Construct	Region III	Mountain/Desert	4a	Region III	Wrightwood	3712254	54	37231149	Wrightwood Chlorine Analyzers	118,281	2020	10/31/2023	99%	6/29/2023	2022
Construct	Region III	Mountain/Desert	4c	Region III	Wrightwood	3712151	51	37231147	Wrightwood Fire Hardening (2021)	1,085,710	2020	8/31/2023	99%	6/29/2023	2021
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1452351	51	14631255	Los Osos Systemwide SCADA	850,100	2020	7/1/2024	99%	6/29/2023	2023
Construct	Region III	Foothill	4c	Region III	San Dimas	3212251	51	32631571	San Dimas Fire Hardening	99,186	2020	8/1/2023	99%	NA (UNB init	2022
Construct	Region III	Foothill	4c	Region III	San Gabriel	3302353	53	33210468	Persimmon Ave	1,431,944	2020	9/1/2023	99%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4a	Region III	Calipatria	3512151	51	35231150	Holabird Plant Upgrades	445,717	2020	4/1/2023	99%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4a	Region III	Apple Valley	3632354	54	36400338	APV South Chlorine Analyzers	46,238	2020	10/31/2023	99%	6/29/2023	2023

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Construct	Region III	Mountain/Desert	4a	Region III	Apple Valley	3632254	54	36700147	Lucerne Valley Chlorine Analyzers	40,938	2020	10/31/2023	99%	6/29/2023	2022
Construct	Region I	Coastal	4c	Simi Valley	Simi Valley	1662155	51	16731333	Tapo Reservoir Improvements	2,191,378	2020	8/1/2023	100%	6/29/2023	2021
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152101	8-01	11700256	117 Arden 2" Meter Replacement 2021	(115)	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152102	8-02	11811907	Alicante 10825 Emergency Srv Leak	450	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152110	8-10	11500184	Replace Vehcl Units 1257,1277, 1278	(199)	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152201	8-01	11811868	2022 Cordova 1 1/2" Meter Replacem	2,525	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152201	8-01	11811955	Cordova Aged/Failed Meter Repl.	208,416	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152206	8-06	11700284	UTILITY REIMBURSEMENT AGREEMENT	903	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152206	8-06	11811887	Rancho Cordova Paving Project RC02	6,566	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152207	8-07	11700283	Trussel Res Warranty Inspection	9,355	2020	12/31/2023	NA	6/29/2023	2022

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Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152207-	B-07	11700292	Rushden Well #6 Aquasteam Pump Well	23,310	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152207-	B-07	11811900	Rpr Coloma Gas Booster B Engine	32,138	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152207-	B-07	11811951	Well and Pump Motor - 125 HP	7,003	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152207-	B-07	11811969	Landscaping Paseo Well #24	122	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152208-	B-08	11811968	CTP/PTP Finished Water CL2 Analyzer	3,233	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152208-	B-08	11900003	Robbins - SCADA Phase 1	8,325	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152208-	B-08	11900004	Wagner Aviation Well Check Valves	12,254	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152209-	B-09	11811953	Cordova Coloma Site Security	10,610	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152211-	B-11	11500199	replace lost/stolen 3" hydrant mete	2,794	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152301-	B-01	11700293	2023 Arden 2-inch Meter Replacement	1,238	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152301-	B-01	11700294	2023 Arden 1.5-inch Meter Replmnt	43	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152301-	B-01	11700296	2023 Arden 3/4-inch meter Rplmnt	118	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152301-	B-01	11700297	2023 Arden 5/8-inch Meter Rplmnt	270	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152301-	B-01	11811974	2023 Cordova 2" Meter replacement	9,948	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152301-	B-01	11811975	2023 Cordova 1.5inch Meter Replacem	483	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152301-	B-01	11811977	2023 Cordova 3/4-inch Meter Rplmnt	843	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152301-	B-01	11811987	Sunrise blvd 2204/2280 8inch meter	4,447	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152302-	B-02	11700299	Hurley 3165 flat to metered upgrade	1,509	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152302-	B-02	11811991	Filmore 2328 Emergency 4x short Srv	13,185	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152307-	B-07	11700300	Greenhills Well#5 Motor Rewire-Dip	14,114	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152308-	B-08	11811984	CTP NTU Meter Photocell Replacement	1,659	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152308	B-08	11811985	Coloma Filter N6 Production Meter	6,821	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Arden/Cordova	Arden/Cordova	1152311	B-11	11500201	2x MagneFlow meter loggers	1,684	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Bay Point	Bay Point	1222107	B-07	12411360	Mota Booster Station Mota PRV Vault	3,738	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region I	Northern	1	Bay Point	Bay Point	1222301	B-01	12411398	2023 Meter Aged Program 1"	378	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Northern	1	Clearlake	Clearlake	1282202	B-02	13111320	8th St 3204 Rpl Leaking Water Srv	1,271	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Clearlake	Clearlake	1282206	B-06	13111276	Sulphur Fire Paving Project Arrowhead Rd	166,798	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Clearlake	Clearlake	1282206	B-06	13111319	13506 Rpl Section 2"	656	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Northern	1	Clearlake	Clearlake	1282301	B-01	13111305	2023 Meter Change Outs 5.8inch Mtr	1,523	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Coastal HQ	Coastal District Office	1402211	B-11	14011050	Pressure Data Loggers	8,248	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452101	B-01	14700194	inch Meters (Edna)	48	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452207	B-07	14631291	Rosina Well Pump & Motor Replacemnt	2,017	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452207	B-07	14631302	Bayview Booster A Replace	2,774	2020	12/31/2023	NA	6/29/2023	2022

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Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452208	B-08	14631290	Rosina Plant PLC Upgrade	47,781	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452208	B-08	14700204	Country Club Plant Repipe Influent	41	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452208	B-08	14700208	CO2 Membrane Contactor Filter Chang	5,017	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452209	B-09	14500096	Office phone system	(232)	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452211	B-11	14500098	Pressure Data Loggers	7,195	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452302	B-02	14631310	Highland 416 Replace Service	4,286	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Los Osos	Los Osos	1452306	B-06	14631309	Replace 8" Main @ 433 LOVR	593	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572202	B-02	15931840	Mira Flores 1305 service Replacemnt	3,828	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572202	B-02	15931845	Hillview, 3705 Service Replacement	818	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572202	B-02	15931942	Bent Tree 3340, 3350 Service Rplmnt	2,429	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572202	B-02	16200365	S Las Flores 360 380 Service Rplmnt	679	2020	12/31/2023	NA	6/29/2023	2022

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Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572206	B-06	15931877	Dale Way Replace Hydrant 297	2,756	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572206	B-06	15931915	Ruby Crest Valve abandonment 2" Val	4,442	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572206	B-06	16400133	Hawkview 2720 Valve #171	5,148	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572207	B-07	15931873	Crescent well replace head shaft	6,757	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572207	B-07	15931888	Oak Well Valve Change	3,381	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572207	B-07	15931905	Woodmere #1 Top Bearing Replacement	3,196	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572207	B-07	15931921	Replace Trans Net Radio4	12,375	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572207	B-07	16100102	Pull Motor at Tanglewood 1 Well Sit	3,102	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572207	B-07	16200371	Alta Mesa Plant Piping Replacement various site	4,617	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572207	B-07	16400123	Plant	3,543	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572208	B-08	15931858	Chemscan, MF 1	3,462	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572208	B-08	16200360	Turbidimeter	2,209	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572208	B-08	16400138	Chlorine Pump	902	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572211	B-11	15710667	5 Colorimeters	2,822	2020	12/31/2023	NA	6/29/2023	2022

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Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572211	B-11	15710669	Purchase Cut off saw	2,169	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	15800139	Lake Marie 2023 3.4" Meters	626	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	15800140	Lake Marie 2023 1" Meters	305	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	15800141	Lake Marie 2023 2" Meters	406	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	15931927	Orcutt 2023 5.8 Meters	7,935	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	15931928	Orcutt 2023 3.4" Meters	993	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	15931929	Orcutt 2023 1" Meters	3,025	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	15931930	Orcutt 2023 2" Meters	1,991	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	16100104	2023 1 inch Meters	109	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	16200367	Nipomo 2023 5.8" Meters	2,571	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	16200368	Nipomo 3.4" Meters	522	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	16200369	Nipomo 1" Meters	1,725	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	16200370	Nipomo 2" Meters	646	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	16200374	Nipomo 2023 1.5 Meter	611	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572301	B-01	16400144	Cypress Ridge 3.4 AMR Meters	241	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931938	Terry Ct 801, 802 Services Replmnt Caselli 311&317 Service	5,719	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931943	Replacement Parkland, 1143, 1151 Service	1,966	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931944	Rplmnt Arabian 1286-1294 Service	7,174	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931945	Replaceme Oak Knoll 1154 Service	1,005	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931947	Replacement Amberly 958-966 Service	106	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931948	Replacemnt Majestic 660 Service	2,000	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931949	Replacement Oak Knoll 1420-1422 Service	1,265	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931950	Rplmnts Brookside 894 Service	5,520	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931951	Replacement Berwyn 3842, 3845, 3848	286	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931952	Service Rpl	572	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931953	Foxenwood Drive 1361-1381 Srv Rplmt	423	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931954	Oakhill 5810 Service Replacement	168	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931955	Sunshine 839-843 Service Replamnt	547	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		15931956	Sharry, 387 Service Replacement	173	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		16200373	Tefft 1590 Service Replacement	7,110	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		16400139	260, 270 Service Repl	1,559	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572302-B-02		16400145	Camino Contento 697 Service Replmnt	5,888	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572306-B-06		15931939	Terry Ct 802 Replace Valve #1473	5,320	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572306-B-06		15931941	Hillview Gate Valve #1443 Replacmnt	4,749	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572306-B-06		16200372	Primavera Ln 960 Main Replacement	2,066	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572306	B-06	16400141	Valve Cans, Cypress Ridge	10,908	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572307	B-07	15931933	Mira Flores # 5 column inspection	30,944	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572307	B-07	15931936	Crescent Motor Rebuilt	11,979	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Santa Maria	Santa Maria	1572307	B-07	16400143	CR SCADA Additions	1,370	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Simi Valley	Simi Valley	1662301	B-01	16731401	2023 Aged Meters 5/8" Replacement	1,828	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Simi Valley	Simi Valley	1662301	B-01	16731402	2023 Aged Meters 1" Replacement	721	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Simi Valley	Simi Valley	1662301	B-01	16731404	2023 Aged Meters 2" Replacement	2,486	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Simi Valley	Simi Valley	1662302	B-02	16731412	Highwood Court Service	11,432	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region I	Coastal	1	Simi Valley	Simi Valley	1662307	B-07	16731413	Replacement Sycamore Wall	13,965	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172107	B-07	21911369	Roseton 2 Well Rehab	118,120	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region II	Central	1	Region II	Central Basin East	2172301	B-01	21911425	2023 Artesia 2" new & stuck meters	1,211	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region II	Central	1	Region II	Central Basin East	2172302	B-02	21911427	2023 Artesia 2 service installation	784	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172302	B-02	22011356	service installatio	2,231	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172306	B-06	21911428	2023 Artesia gate valve installatio	23,056	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172306	B-06	21911433	Norwalk 20713 Emergency main leak	4,809	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172306	B-06	22011357	2023 Norwalk gate valve installatio	9,641	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172306	B-06	22011363	imperial 11951 sheared hydrant (hyd	325	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin East	2172307	B-07	21911431	Roseton Replace Remaining Backwash	61	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin West	2242206	B-06	22750357	Eastern Ave 6821 Replace Sheared Hy	(1,428)	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region II	Central	1	Region II	Central Basin West	2242301	B-01	22750379	old compaund meter replace	21	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin West	2242301	B-01	22811416	Bell Gar 3" compaund meter replace Randolph	3,363	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region II	Central	1	Region II	Central Basin West	2242306-	B-06	23011181	2023 Willowbrook Fire Hydrant Repla	6,829	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin West	2242306-	B-06	23011182	valve relocation 1	606	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Central Basin West	2242307-	B-07	22811418	MIRAMONTE WELLHOUSE 2&3 ROLLUP DOOR	252	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Culver City	2342111-	B-11	23431046	New Backhoe Loader	2	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region II	Central	1	Region II	Culver City	2342201-	B-01	23611832	2022 2" New and Stuck Meters	9,801	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region II	Central	1	Region II	Culver City	2342201-	B-01	23611887	Canterbury Slauson Culver Vault LID	22	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region II	Central	1	Region II	Culver City	2342201-	B-01	23611889	Slauson 6101 Replace 3" Meter	4,876	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region II	Central	1	Region II	Culver City	2342301-	B-01	23611893	2023 2in New and Stuck Meters	854	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Culver City	2342301-	B-01	23611903	Vault Replacement 8439 Stellar & 84	32,981	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Culver City	2342301-	B-01	23611911	Replace Damaged Vault Freshman Driv	27,791	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Culver City	2342301-	B-01	23611912	Hayden 3542 4" Meter Change	3,078	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Central	1	Region II	Culver City	2342306-	B-06	23611908	Elenda 4336 Main Leak	15,297	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region II	Southwest	1	Region II	Southwest District Office	2402309-	B-09	24200069	Ballona Card Access System	220	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region II	Southwest	1	Region II	Southwest	2471801-	B-01	25032399	Marine, 3533 3" Octave Meter	2,202	2020	12/31/2023	NA	6/29/2023	2018
Blankets	Region II	Southwest	1	Region II	Southwest	2472201-	B-01	25032639	Large 3" Meter Replacements	1,079	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region II	Southwest	1	Region II	Southwest	2472211-	B-11	25032660	3G Mobile Laptop	886	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region II	Southwest	1	Region II	Southwest	2472301-	B-01	25032730	2023 1.5" new and stuck meters	752	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672101-	B-01	26931899	2021 New & Stuck 5/8" Meter Changes	(344)	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672102-	B-02	26931959	Burton Way 11177,79 Stanton Srv Rpl	(407)	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672106-	B-06	26931988	Katella Ave 4390 Los Alamitos 6" G	98	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672201-	B-01	26932033	2022 New and Stuck 2" Meters	13,541	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672201-	B-01	26932125	Purchase Octave Meter Encoders	1,248	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672202-	B-02	26932106	10932 Srv Rplmnt	455	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672206-	B-06	26932130	Copa De Oro 3061 Rossmoor Hydrant	7,576	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672206-	B-06	26932144	8801 Install Valve	6,782	2020	12/31/2023	NA	6/29/2023	2022

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Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672207	B-07	26932088	Replacement of pump equipment	81,944	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672207	B-07	26932141	Circuit Breaker replacement for OC-	4,012	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672301	B-01	26932150	2023 New and Stuck 2" Meter Changes	4,038	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672301	B-01	26932151	2023 New and Stuck 1" Meter Changes	6,423	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672301	B-01	26932152	2023 New and Stuck 1.5" Meter Chang	759	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672301	B-01	26932154	2023 New & Stuck 5/8" Meter Changes	10,849	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672301	B-01	26932164	6" Meter Replacement 8061 Cerritos	3,913	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672301	B-01	26932181	11161 3" Meter Rplmnt	2,169	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672302	B-02	26932160	Antietam Ave 5082, 5081 Srv Rplmnt	6,977	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672302	B-02	26932161	El Dorado Way 10432 Service Replace	6,441	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672302	B-02	26932169	Capistrano Dr 8160 Service Rplmnt	5,298	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672302	B-02	26932170	Via Irana 6841 Stanton Service Rpl	5,468	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672302	B-02	26932174	Market Pl 5573 - Cypress Srv Rpl	5,829	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672302	B-02	26932175	Royal Oaks Way 10531 Service Rplmnt	989	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672306	B-06	26932167	Magnolia Ave 10500 Hydrant Replace	8,028	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672306	B-06	26932172	Winner Cir Cypress Abandon laterals	22,821	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Los Alamitos	2672307	B-07	26932171	Florista "A" Booster motor rewind	17,271	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722101	B-01	27431226	2021 1 1/2" New & Stuck Meter Cowan	(143)	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722101	B-01	27531388	2021 1 1/2" New & Stuck Mtr (PL/YL)	(213)	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722107	B-07	27531426	Ruby Pump & Equipment	65,136	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722202	B-02	27531458	Diamond Rd- 525 Replace Service	4,624	2020	12/31/2023	NA	6/29/2023	2022

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Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722202	B-02	27531499	Nenno Ave 656 placentia Service Rpl	5,961	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722202	B-02	27531510	Avon Place 1250 (Placentia) Service	9,234	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722206	B-06	27431271	county paving project raise 60Valve	7,132	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722206	B-06	27531506	Lower & raise gate cans due to City	7,560	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722207	B-07	27431261	Peacock PLC panel Upgrade	64,189	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722301	B-01	27531502	2023 new & stuck 5/8" meter Placent	1,836	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722301	B-01	27531503	2023 new & stuck 1" meter placentia	328	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722301	B-01	27531511	La Jolla 840 Replace 3" Octave Mtr	1,981	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722302	B-02	27531513	New Hampshire Way 342 Srv Rplmnt	3,424	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Orange County	1	Region III	Placentia/Yorba Linda	2722307	B-07	27431278	Timberline PLC panel upgrade	5,524	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region III	Foothill	1	Region III	San Dimas	3212207	B-07	32631682	Glendora Connection-COR for 10" Pro	5,136	2020	12/31/2023	NA	NA (UNB init	2022
Blankets	Region III	Foothill	1	Region III	San Dimas	3212301	B-01	32631670	San Dimas 2023 1.5" Meter Replaceme	380	2020	12/31/2023	NA	NA (UNB init	2023
Blankets	Region III	Foothill	1	Region III	San Dimas	3212302	B-02	32631672	San Dimas 2023 1" Service Replaceme	50,916	2020	12/31/2023	NA	NA (UNB init	2023
Blankets	Region III	Foothill	1	Region III	San Dimas	3212307	B-07	32631675	PM-7 Booster A Emergency Replacemen	224	2020	12/31/2023	NA	NA (UNB init	2023
Blankets	Region III	Foothill	1	Region III	San Dimas	3212307	B-07	32631678	Puddingstone Emergency PLC Replacem	3,734	2020	12/31/2023	NA	NA (UNB init	2023
Blankets	Region III	Foothill	1	Region III	San Gabriel	3302210	B-10	33000120	Replace Skid Steer	69,778	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Foothill	1	Region III	San Gabriel	3302302	B-02	33210530	Arcadia 2023 1" Service Replacement	25,656	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Foothill	1	Region III	San Gabriel	3302302	B-02	33331361	Garvey 7950 2" Service Replacement	19,815	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Foothill	1	Region III	San Gabriel	3302307	B-07	33210535	Encinita Vessel 5 Production Meter	112	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Foothill	1	Region III	San Gabriel	3302307	B-07	33210536	London Connection Production Meter	3,635	2020	12/31/2023	NA	6/29/2023	2023

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Blankets	Region III	Mountain/Desert	1	Region III	Barstow	3452206	8-06	34731487	W Main 2531-Replace 2" wheel valve	6,995	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Mountain/Desert	1	Region III	Barstow	3452207	8-07	34731489	Bradshaw 11-Emergency Pump Replace	34,357	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Mountain/Desert	1	Region III	Barstow	3452207	8-07	34731490	Mojave Booster B-Replace VFD	5,501	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Mountain/Desert	1	Region III	Barstow	3452208	8-08	34731481	Bradshaw Nitrate Treatment Pilot Te	161,185	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Mountain/Desert	1	Region III	Barstow	3452301	8-01	34731501	300 S G-Replace 4" Compound with 4"	4,071	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Mountain/Desert	1	Region III	Calipatria	3512206	8-06	35231181	Sorensen Ave & Main Rpl GV332	25,178	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Mountain/Desert	1	Region III	Calipatria	3512301	8-01	35231184	Calipatria 2023 5/8" Meter Repl	532	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Mountain/Desert	1	Region III	Calipatria	3512301	8-01	35231186	Age Meter Repl	418	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Mountain/Desert	1	Region III	Morongo	3572107	8-07	35831038	Elm Well 24 - Replace Pumping Equip	68	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Mountain/Desert	1	Region III	Morongo	3572107	8-07	35831039	1 - Replace Pumpin	130,423	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Mountain/Desert	1	Region III	Morongo	3572302	8-02	35831048	MDel Norte 2023 1" Service Replace	26,478	2020	12/31/2023	NA	6/29/2023	2023

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Blankets	Region III	Mountain/Desert	1	Region III	Morongo	3572302	8-02	35931120	MDel Sur 2023 1" Service Replaceme	14,383	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Mountain/Desert	1	Region III	Apple Valley	3632201	8-01	36400350	AVS 2022 Aged Meter Program	313	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Mountain/Desert	1	Region III	Apple Valley	3632201	8-01	36700153	LV 2022 1" Meter Replacements	303	2020	12/31/2023	NA	6/29/2023	2022
Blankets	Region III	Mountain/Desert	1	Region III	Apple Valley	3632302	8-02	36400367	AVS 2023 1" Service Replacements	3,779	2020	12/31/2023	NA	6/29/2023	2023
Blankets	Region III	Mountain/Desert	1	Region III	Wrightwood	3712110	8-10	37110932	Replace Veh#2104	(6)	2020	12/31/2023	NA	6/29/2023	2021
Blankets	Region III	Mountain/Desert	1	Region III	Wrightwood	3712307	8-07	37231171	Buford 5 Motor Replacement	110	2020	12/31/2023	NA	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Apple Valley	3632151	51	36400354	Apple Valley South SCADA (R3 2022)	55,755	2021	3/31/2025	1%	NA (UNB init NA	NA
Construct	Region III	Mountain/Desert	4d	Region III	Wrightwood	3712151	51	37231164	Wrightwood SCADA (R3 2022)	258,678	2021	3/31/2025	14%	NA (UNB init NA	NA
Construct	Region III	Mountain/Desert	4d	Region III	Apple Valley	3632151	51	36700156	Lucerne SCADA (R3 2022)	48,326	2021	5/1/2025	15%	NA (UNB init NA	NA
Construct	Region III	Mountain/Desert	4b	Region III	Calipatria	3512151	51	35231167	Calipatria SCADA (R3 2023)	208,150	2021	7/1/2024	18%	NA (UNB init NA	NA
Construct	Region I	Northern	4d	Arden/Cordova	Arden/Cordova	1152351	51	11811796	Cordova Systemwide SCADA Project	65,756	2021	2/1/2025	21%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3572151	51	35831044	Morongo Del Norte SCADA (R3 2021)	52,332	2021	7/1/2024	21%	NA (UNB init NA	NA

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region III	Mountain/Desert	4d	Region III	Apple Valley	3632151-51		36600278	Apple Valley North SCADA (R3 2022)	61,650	2021	8/1/2024	24%	NA (UNB init NA	
Construct	Region III	Mountain/Desert	4d	Region III	Apple Valley	3632151-51		36500091	Desert View SCADA (R3 2022)	96,382	2021	1/1/2025	25%	NA (UNB init NA	
Construct	Region III	Orange County	5	Region III	Placentia/Yorba Linda	2722153-53		27531406	SR-57 Pipeline Replacement	62,096	2021	11/1/2023	30%	NA (UNB init NA	
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3572151-51		35931111	Morongo Del Sur SCADA (R3 2021)	329,940	2021	5/1/2024	30%	NA (UNB init NA	
Construct	Region II	Central	4d	Region II	Culver City	2341951-51		23611831	New WB23A MWD & GSWC PRV Vaults-P11	1,495,670	2021	12/1/2023	39%	6/29/2023	2021 & 2022
Construct	Region I	Northern	5	Arden/Cordova	Arden/Cordova	1152151-51		11811847	Mather Plant Generator	125,313	2021	11/1/2023	75%	NA (UNB init NA	
Construct	Region II	Central	5	Region II	Culver City	2342153-53		23611847	Culver Park, Diller AMR Discharge	1,030,822	2021	8/1/2023	77%	NA (UNB init NA	
Construct	Region III	Foothill Orange County	5	Region III	San Gabriel	3302153-53		33210504	Pipeline Upgrade CH FH Replace Program	708,700	2021	10/1/2023	77%	NA (UNB init NA	
Construct	Region III	County	5	Region III	Placentia/Yorba Linda	2722153-53		27431259	Program	251,213	2021	5/1/2023	81%	NA (UNB init NA	
Construct	Region I	Northern	5	Arden/Cordova	Arden/Cordova	1152151-51		11811876	Church Well No. 25 Rensselaer FH Replacement-Ph. 2	2,095,354	2021	7/1/2024	87%	NA (UNB init NA	
Construct	Region III	Mountain/Desert	5	Region III	Barstow	3452053-53		34731456	San Dimas Avenue Gold Line	117,031	2021	9/1/2023	90%	NA (UNB init NA	
Construct	Region III	Foothill	5	Region III	San Dimas	3212152-52		32631636	San Dimas Canyon (East Side) GL	251,929	2021	12/1/2023	91%	NA (UNB init NA	
Construct	Region III	Foothill	5	Region III	San Dimas	3212152-52		32631634		300,901	2021	12/1/2023	94%	NA (UNB init NA	

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region III	Foothill	5	Region III	San Dimas	3212152-52		32631635	San Dimas Canyon (West Side) GL	340,247	2021	12/1/2023	95%	NA (UNB init NA	
Construct	Region III	Orange County	4c	Region III	Placentia/Yorba Linda	2722251-51		27431238	OC Fire Hardening - Timberline	57,437	2021	9/1/2023	95%	6/29/2023	2022
Construct	Region II	Central Orange County	5	Region II	Central Basin West	2242154-54		22911164	McKinley Well No. 3 - PFAS Treatment	1,353,428	2021	4/1/2023	97%	NA (UNB init NA	
Construct	Region III	Orange County	5	Region III	Placentia/Yorba Linda	2722151-51		27431247	Fairhaven #2 - Destroy	129,454	2021	8/1/2023	99%	NA (UNB init NA	
Construct	Region III	Orange County	4d	Region III	Placentia/Yorba Linda	2722351-51		27431265	Clearview - Drainline	5,643	2022	12/30/2024	0%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Barstow	3452151-51		34731431	Morongo SCADA (R3 Imprmts 2021)	6,022	2022	Cancelled	0%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3571851-51		35931117	Mojave PSPS Generator	6,094	2022	12/31/2024	0%	NA (UNB init NA	
Construct	Region III	Desert	4d	Region III	Apple Valley	3632150-50		36500092	Desert View Tank Rpl Sonoma WTP Sludge Chain & Equip	37,865	2022	12/31/2026	1%	6/29/2023	2021
Construct	Region I	Northern	5	Clearlake	Clearlake	1282254-54		13111323	Foothill, Indian Hill to Harvard	1,639	2022	2/1/2024	5%	NA (UNB init NA	
Construct	Region III	Foothill	5	Region III	Claremont	3152252-52		31731593	Fairhaven Transmission Main	65,480	2022	12/31/2023	6%	NA (UNB init NA	
Construct	Region III	Orange County	5	Region III	Placentia/Yorba Linda	2722253-53		27431269		60,326	2022	12/1/2024	7%	NA (UNB init NA	

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region II	Southwest	4a	Region II	Southwest	2471951-51		25032750	Emergency Interconnections Upgrade	420	2022	8/1/2023	8%	6/29/2023	2021
Construct	Region II	Central	5	Region II	Central Basin East	2172254-54		22011344	Dace Benzene Treatment	155,303	2022	4/1/2024	25%	NA (UNB init NA	
Construct	Region III	Foothill	5	Region III	San Gabriel	3302252-52		33210519	Fairgreen Ave Main Replacement	76,793	2022	12/1/2023	33%	NA (UNB init NA	
Construct	Region III	Mountain/Desert	5	Region III	Barstow	3452251-51		34731477	Bradshaw Well Field Onsite Blending	487,692	2022	12/31/2023	52%	NA (UNB init NA	
Construct	Region II	Central	5	Region II	Central Basin West	2242251-51		22750377	Bell-Grdn CSA Office Relocation	17,128	2022	4/1/2025	55%	NA (UNB init NA	
Construct	Region II	Southwest	5	Region II	Southwest	2472255-55		25032706	Water Quality Area 4	1,359,023	2022	2/1/2024	72%	NA (UNB init NA	
Construct	Region II	Central	5	Region II	Central Basin East	2172251-51		21911413	Tank Recoating Studies Central	43,966	2022	7/1/2023	80%	NA (UNB init NA	
Construct	Region III	Foothill	5	Region III	Claremont	3152251-51		31731599	Foothill 2022 Tank Evaluations	62,564	2022	8/31/2023	80%	NA (UNB init NA	
Construct	Region II	Central	5	Region II	Central Basin East	2172251-51		21911412	Tank Recoating Studies - SW	83,243	2022	8/1/2023	87%	NA (UNB init NA	
Construct	Region III	Foothill	5	Region III	Claremont	3152251-51		31731598	Mtn Dsr 2022 Tank Evaluations	579	2022	8/31/2023	90%	NA (UNB init NA	
Construct	Region II	Central Orange County	5	Region II	Central Basin West	2242254-54		22750359	PFAS Treatment at Clara Plant	2,328,516	2022	11/1/2023	92%	NA (UNB init NA	
Construct	Region III	Orange County	5	Region III	Placentia/Yorba Linda	2722251-51		27531493	Bradford Plant SD Connection	70,767	2022	7/1/2023	94%	NA (UNB init NA	
Construct	Region II	Southwest	5	Region II	Southwest	2472255-55		24700244	Southwest CSA Tenant Improvement	3,155	2022	12/23/2023	95%	NA (UNB init NA	

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BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region I	Northern	5	Clearlake	Clearlake	1282251-51		13111290	Clearlake Sonoma Well Number 1	549,678	2022	11/1/2024	99%	NA (UNB init NA	
Construct	Region III	Foothill	5	Region III	Claremont	3152251-51		31731600	Orange County 2022 Tank Evaluations	33,453	2022	6/30/2023	100%	NA (UNB init NA	
										128,039,074					

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Attachment 2-7: 2015 Annual Report page 16

**SCHEDULE A-1
Account 100 - Utility Plant**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100.1	Utility Plant in Service (Schedule A-1a)	\$ 1,360,366,497	\$ 75,321,911	\$ (11,418,550)	\$ 165,041	\$ 1,424,436,899
2	100.2	Utility Plant Leased to Others					
3	100.3	Construction Work in Progress	44,927,347	87,750,136		(73,704,730)	58,972,753
4	100.4	Utility Plant Held for Future Use (Sch A-1c)					
5	100.5	Utility Plant Acquisition Adjustments	(8,761,374)	1,346,182			(7,415,192)
6	100.6	Utility Plant in Process of Reclassification					
7		Total utility plant	\$ 1,396,532,470	\$ 164,418,229	\$ (11,418,550)	\$ (73,539,689)	\$ 1,475,994,460

**SCHEDULE A-1a
Account 100.1 - Utility Plant in Service**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	\$ 253,086	\$ -	\$ -	\$ -	\$ 253,086
3	302	Franchises and Consents (Schedule A-1b)	152,295	-	-	-	152,295
4	303	Other Intangible Plant	33,657,643	767,130.00	-	0.00	34,424,973
5		Total Intangible Plant	34,063,224	767,130.00	-	0.00	34,830,354
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	14,967,900	177,608.00	-	3,097.47	15,148,605
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	297,517	-	-	-	297,517
12	312	Collecting and Impounding Reservoirs	730,921	713,727.35	-	-	1,444,648
13	313	Lake, River and Other Intakes	6,159	-	-	-	6,159
14	314	Springs and Tunnels	-	-	-	-	-
15	315	Wells	53,422,440	5,336,262.12	(9,085.00)	6,399.29	58,756,016
16	316	Supply Mains	25,145,668	288,811.29	(29,876.00)	84.07	25,404,687
17	317	Other Source of Supply Plant	907,212	-	-	-	907,212
18		Total Source of Supply Plant	80,569,917	6,338,800.76	(38,961.00)	6,483.36	86,816,240
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	20,281,059	451,376.00	(19,207.19)	(0.00)	20,713,228
22	322	Boiler Plant Equipment	-	-	-	-	-
23	323	Other Power Production Equipment	-	-	-	-	-
24	324	Pumping Equipment	123,368,073	6,023,755.00	(1,085,288.27)	155,008.00	128,461,548
25	325	Other Pumping Plant	11,353,906	689,532.00	(174,496.19)	-	11,868,942
26		Total Pumping Plant	155,003,038	7,144,663.00	(1,278,991.65)	155,008.00	161,923,717
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	16,593,593	(209,908.00)	(13,291.00)	-	16,280,396
30	332	Water Treatment Equipment	53,824,800	1,281,127.00	(338,873.00)	535.82	54,767,590
31		Total Water Treatment Plant	70,328,393	1,071,221	(352,164)	536	71,047,986

Attachment 2-8: 2016 Annual Report page 16

**SCHEDULE A-1
Account 100 - Utility Plant**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100.1	Utility Plant in Service (Schedule A-1a)	\$ 1,424,436,899	\$ 120,564,031	\$ (34,069,450)	\$ 77,676	\$ 1,511,009,156
2	100.2	Utility Plant Leased to Others					
3	100.3	Construction Work in Progress	58,972,753	118,531,046		(120,916,568)	56,587,231
4	100.4	Utility Plant Held for Future Use (Sch A-1c)					
5	100.5	Utility Plant Acquisition Adjustments	(7,415,192)	-			(7,415,192)
6	100.6	Utility Plant in Process of Reclassification					
7		Total utility plant	\$ 1,475,994,460	\$ 239,095,077	\$ (34,069,450)	\$ (120,838,892)	\$ 1,560,181,195

**SCHEDULE A-1a
Account 100.1 - Utility Plant in Service**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	\$ 253,086	\$ -	\$ -	\$ -	\$ 253,086
3	302	Franchises and Consents (Schedule A-1b)	152,295	-	-	-	152,295
4	303	Other Intangible Plant	34,424,973	1,445,475	(2,453)	-	35,867,995
5		Total Intangible Plant	34,830,354	1,445,475	(2,453)	-	36,273,376
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	15,148,605	33,023	(4,711)	77,675	15,254,592
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	297,517	-	-	-	297,517
12	312	Collecting and Impounding Reservoirs	1,444,648	121,587	(29,258)	-	1,536,978
13	313	Lake, River and Other Intakes	6,159	-	-	-	6,159
14	314	Springs and Tunnels	-	-	-	-	-
15	315	Wells	58,756,016	396,247	(768,457)	-	58,383,807
16	316	Supply Mains	25,404,687	158,271	(3,582)	(13,706)	25,545,670
17	317	Other Source of Supply Plant	907,212	-	-	-	907,212
18		Total Source of Supply Plant	86,816,240	676,105	(801,297)	(13,706)	86,677,342
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	20,713,228	1,643,980	(198,946)	0	22,160,262
22	322	Boiler Plant Equipment	-	-	-	-	-
23	323	Other Power Production Equipment	-	-	-	-	-
24	324	Pumping Equipment	128,461,548	8,683,728	(2,883,062)	36,219	134,298,432
25	325	Other Pumping Plant	11,848,942	1,108,067	(55,365)	(6,938)	12,892,716
26		Total Pumping Plant	161,023,717	11,433,775	(3,136,363)	29,281	169,351,410
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	16,280,396	900,728	(415,382)	-	16,765,742
30	332	Water Treatment Equipment	54,767,590	2,847,414	(590,323)	17,743	57,042,423
31		Total Water Treatment Plant	71,047,986	3,748,142	(1,005,705)	17,743	73,808,165

Attachment 2-9: 2017 Annual Report page 17

SCHEDULE A-1
Account 100 - Utility Plant

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100.1	Utility Plant in Service (Schedule A-1a)	\$ 1,511,009,155	\$ 104,163,241	\$ (59,373,119)	\$ 441,210	\$ 1,556,240,487
2	100.2	Utility Plant Leased to Others					-
3	100.3	Construction Work In Progress	56,587,231	106,943,629		(106,846,889)	56,683,971
4	100.4	Utility Plant Held for Future Use					-
5	100.5	Utility Plant Acquisition Adjustments	(7,415,191)				(7,415,191)
6	100.6	Utility Plant in Process of Reclassification					-
7		Total utility plant	\$ 1,560,181,195	\$ 213,106,870	\$ (59,373,119)	\$ (106,405,679)	\$ 1,607,509,267

SCHEDULE A-1a
Account 100.1 - Utility Plant in Service

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	\$ 253,086	\$ -	\$ (165)	\$ -	\$ 252,921
3	302	Franchises and Consents	152,295	-	(5,348)	-	146,947
4	303	Other Intangible Plant	35,867,995	457,702	(4,480,900)	(2,666,709)	28,978,089
5		Total Intangible Plant	\$ 36,273,376	\$ 457,702	\$ (4,486,413)	\$ (2,666,709)	\$ 29,377,957
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 15,254,592	\$ -	\$ (497,966)	\$ 4,103	\$ 14,760,729
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	297,517	-	-	-	297,517
12	312	Collecting and Impounding Reservoirs	1,536,978	562,195	(191,704)	-	1,907,469
13	313	Lake, River and Other Intakes	6,159	-	-	-	6,159
14	314	Springs and Tunnels	-	-	-	-	-
15	315	Wells	58,383,807	3,667,480	(3,394,610)	178,097	59,032,574
16	316	Supply Mains	25,545,670	818,504	(365,086)	18,611	26,011,899
17	317	Other Source of Supply Plant	907,212	-	(4,541)	-	902,671
18		Total Source of Supply Plant	\$ 86,677,343	\$ 5,248,179	\$ (3,956,141)	\$ 194,908	\$ 88,164,289
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	22,160,262	1,287,461	(376,261)	127,743	23,199,225
22	322	Boiler Plant Equipment	-	-	-	-	-
23	323	Other Power Production Equipment	-	-	-	-	-
24	324	Pumping Equipment	134,298,432	11,341,045	(6,370,427)	482,160	139,751,210
25	325	Other Pumping Plant	12,892,716	2,186,560	(340,589)	15	14,738,702
26		Total Pumping Plant	\$ 169,351,410	\$ 14,815,065	\$ (7,087,277)	\$ 609,918	\$ 177,689,137
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	16,765,742	1,365,886	(68,261)	1,895	18,065,263
30	332	Water Treatment Equipment	57,042,423	3,425,182	(1,038,734)	732,103	60,160,974
31		Total Water Treatment Plant	\$ 73,808,165	\$ 4,791,068	\$ (1,106,995)	\$ 733,998	\$ 78,226,237

**Attachment 2-10: 2018 Annual Report page
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**SCHEDULE A-1
Account 100 - Utility Plant**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100.1	Utility Plant in Service (Schedule A-1a)	\$ 1,556,240,487	\$ 100,671,180	\$ (10,344,540)	\$ 49,720	\$ 1,646,616,857
2	100.2	Utility Plant Leased to Others					-
3	100.3	Construction Work in Progress	58,683,971	120,024,998		(105,198,394)	73,510,575
4	100.4	Utility Plant Held for Future Use					-
5	100.5	Utility Plant Acquisition Adjustments	(7,415,191)				(7,415,191)
6	100.6	Utility Plant in Process of Reclassification					-
7		Total utility plant	\$ 1,607,509,267	\$ 220,696,188	\$ (10,344,540)	\$ (105,148,674)	\$ 1,712,712,241

**SCHEDULE A-1a
Account 100.1 - Utility Plant in Service**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	\$ 252,920.80	\$ -	\$ -	\$ -	\$ 252,920.80
3	302	Franchises and Consents	146,947	-	-	-	146,947
4	303	Other Intangible Plant	26,978,089	34,717	-	-	29,012,806
5		Total Intangible Plant	\$ 29,377,957	\$ 34,717	\$ -	\$ -	\$ 29,412,674
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 14,760,729	\$ -	\$ (4,680)	\$ -	\$ 14,756,049
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	297,517	462,597	-	-	760,114
12	312	Collecting and Impounding Reservoirs	1,907,469	55,331	(15,436)	-	1,947,364
13	313	Lake, River and Other Intakes	6,159	-	-	-	6,159
14	314	Springs and Tunnels	-	-	-	-	-
15	315	Wells	59,032,574	2,428,380	(27,829)	-	61,433,125
16	316	Supply Mains	26,017,899	390,948	(5,000)	(108,466)	28,295,381
17	317	Other Source of Supply Plant	902,671	-	-	-	902,671
18		Total Source of Supply Plant	\$ 88,164,289	\$ 3,337,256	\$ (48,265)	\$ (108,466)	\$ 91,344,814
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	23,199,225	1,254,939	(68,061)	-	24,386,103
22	322	Boiler Plant Equipment	-	-	-	-	-
23	323	Other Power Production Equipment	-	-	-	-	-
24	324	Pumping Equipment	139,751,210	2,551,271	(1,748,402)	(27,989)	140,526,090
25	325	Other Pumping Plant	14,738,702	2,560,991	(128,901)	27,989	17,198,781
26		Total Pumping Plant	\$ 177,689,137	\$ 6,367,201	\$ (1,945,364)	\$ -	\$ 182,110,974
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	18,065,263	836,402	(114,059)	49,720	18,837,326
30	332	Water Treatment Equipment	60,160,974	2,957,994	(481,660)	-	62,637,308
31		Total Water Treatment Plant	\$ 78,226,237	\$ 3,794,396	\$ (595,719)	\$ 49,720	\$ 81,474,634

**Attachment 2-11: 2019 Annual Report page
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SCHEDULE A-1 Account 100 - Utility Plant							
Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100.1	Utility Plant in Service (Schedule A-1a)	\$ 1,646,616,857	\$ 99,683,107	\$ (48,942,456)	\$ 235,080	\$ 1,697,592,588
2	100.2	Utility Plant Leased to Others					\$ -
3	100.3	Construction Work in Progress	73,510,575	126,133,461		(97,391,783)	\$ 104,252,253
4	100.4	Utility Plant Held for Future Use					\$ -
5	100.5	Utility Plant Acquisition Adjustments	(7,415,191)				\$ (7,415,191)
6	100.6	Utility Plant in Process of Reclassification					\$ -
7		Total utility plant	\$ 1,712,712,241	\$ 227,816,568	\$ (48,942,456)	\$ (97,156,703)	\$ 1,794,429,650

SCHEDULE A-1a Account 100.1 - Utility Plant in Service							
Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	\$ 252,921	\$ -	\$ (1,278)	\$ -	\$ 251,643
3	302	Franchises and Consents	146,947	-	-	-	\$ 146,947
4	303	Other Intangible Plant	29,012,806	107,307	(913,292)	(27,561)	\$ 28,179,260
5		Total Intangible Plant	\$ 29,412,674	\$ 107,307	\$ (914,570)	\$ (27,561)	\$ 28,577,850
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 14,756,049	\$ 457,480	\$ (111,601)	\$ 2,829,724	\$ 17,931,652
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	760,114	61,952	(25,825)	20,557	\$ 816,798
12	312	Collecting and Impounding Reservoirs	1,947,364	3,536,234	(96,253)	-	\$ 5,387,345
13	313	Lake, River and Other Intakes	6,159	-	-	-	\$ 6,159
14	314	Springs and Tunnels	-	-	-	-	\$ -
15	315	Wells	61,433,125	626,526	(5,319,343)	621,426	\$ 57,361,734
16	316	Supply Mains	26,295,381	825,213	(286,293)	376,176	\$ 27,210,477
17	317	Other Source of Supply Plant	902,671	-	(4,416)	-	\$ 898,255
18		Total Source of Supply Plant	\$ 91,344,614	\$ 5,049,925	\$ (5,732,130)	\$ 1,018,159	\$ 91,680,768
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	24,386,103	473,850	(1,746,367)	109,462	\$ 23,223,048
22	322	Boiler Plant Equipment	-	-	-	-	\$ -
23	323	Other Power Production Equipment	-	-	-	-	\$ -
24	324	Pumping Equipment	140,526,090	4,413,292	(12,255,424)	(3,054,066)	\$ 129,629,892
25	325	Other Pumping Plant	17,198,781	5,831,691	(1,931,092)	3,578,334	\$ 24,677,714
26		Total Pumping Plant	\$ 182,110,974	\$ 10,718,833	\$ (15,932,883)	\$ 633,730	\$ 177,530,654
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	18,837,326	939,126	(2,092,623)	(90,198)	\$ 17,593,631
30	332	Water Treatment Equipment	62,637,308	2,646,616	(5,747,562)	195,305	\$ 59,731,667
31		Total Water Treatment Plant	\$ 81,474,634	\$ 3,585,742	\$ (7,840,185)	\$ 105,107	\$ 77,325,298

**Attachment 2-12: 2020 Annual Report page
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SCHEDULE A-1							
Account 100 - Utility Plant							
Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100.1	Utility Plant in Service (Schedule A-1a)	1,697,592,588	95,376,035	(11,415,060)	(16,529)	\$ 1,781,537,034
2	100.2	Utility Plant Leased to Others	-	-	-	-	\$ -
3	100.3	Construction Work in Progress	104,252,253	111,261,659	-	(97,144,223)	\$ 118,369,689
4	100.4	Utility Plant Held for Future Use	-	-	-	-	\$ -
5	100.5	Utility Plant Acquisition Adjustments	(7,415,191)	-	-	-	\$ (7,415,191)
6	100.6	Utility Plant in Process of Reclassification	-	-	-	-	\$ -
7		Total utility plant	\$ 1,794,429,650	\$ 206,637,694	\$ (11,415,060)	\$ (97,160,752)	\$ 1,892,491,532

SCHEDULE A-1a							
Account 100.1 - Utility Plant in Service							
Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	251,643	-	-	-	\$ 251,643
3	302	Franchises and Consents	146,947	-	-	-	\$ 146,947
4	303	Other Intangible Plant	28,179,260	328,470	-	-	\$ 28,507,730
5		Total Intangible Plant	\$ 28,577,850	\$ 328,470	\$ -	\$ -	\$ 28,906,320
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 17,931,652	\$ 167,864	\$ -	\$ -	\$ 18,099,516
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	816,798	102,065	-	-	\$ 918,863
12	312	Collecting and Impounding Reservoirs	5,387,345	165,713	-	-	\$ 5,553,058
13	313	Lake, River and Other Intakes	6,159	-	-	-	\$ 6,159
14	314	Springs and Tunnels	-	-	-	-	\$ -
15	315	Wells	57,361,734	60,287	(17,134)	-	\$ 57,404,887
16	316	Supply Mains	27,210,477	169,994	-	-	\$ 27,380,471
17	317	Other Source of Supply Plant	898,255	-	-	-	\$ 898,255
18		Total Source of Supply Plant	\$ 91,880,768	\$ 498,059	\$ (17,134)	\$ -	\$ 92,161,693
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	23,223,048	1,785,249	(26,720)	-	\$ 24,981,577
22	322	Boiler Plant Equipment	-	-	-	-	\$ -
23	323	Other Power Production Equipment	-	-	-	-	\$ -
24	324	Pumping Equipment	129,629,892	6,425,220	(1,135,483)	(512,401)	\$ 134,407,228
25	325	Other Pumping Plant	24,677,714	5,925,339	(131,151)	512,401	\$ 30,984,303
26		Total Pumping Plant	\$ 177,530,654	\$ 14,135,808	\$ (1,293,355)	\$ -	\$ 190,373,107
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	17,593,631	1,468,319	(17,497)	-	\$ 19,044,453
30	332	Water Treatment Equipment	59,731,667	1,879,252	(106,295)	-	\$ 61,504,624
31		Total Water Treatment Plant	\$ 77,325,298	\$ 3,347,571	\$ (123,792)	\$ -	\$ 80,549,077

**Attachment 2-13: 2021 Annual Report page
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**SCHEDULE A-1
Account 100 - Utility Plant**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100.1	Utility Plant in Service (Schedule A-1a)	1,781,537,034	123,437,503	(8,975,087)	(37,875)	\$ 1,895,961,576
2	100.2	Utility Plant Leased to Others	-	-	-	-	\$ -
3	100.3	Construction Work in Progress	118,369,689	130,803,615	-	(125,372,854)	\$ 123,600,450
4	100.4	Utility Plant Held for Future Use	-	-	-	-	\$ -
5	100.5	Utility Plant Acquisition Adjustments	(7,415,191)	-	-	-	\$ (7,415,191)
6	100.6	Utility Plant in Process of Reclassification	-	-	-	-	\$ -
7		Total utility plant	\$ 1,892,491,532	\$ 254,041,119	\$ (8,975,087)	\$ (125,410,729)	\$ 2,012,146,835

**SCHEDULE A-1a
Account 100.1 - Utility Plant in Service**

Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	251,643	-	-	-	\$ 251,643
3	302	Franchises and Consents	146,947	-	-	-	\$ 146,947
4	303	Other Intangible Plant	28,507,730	122,059	-	-	\$ 28,629,789
5		Total Intangible Plant	\$ 28,906,320	\$ 122,059	\$ -	\$ -	\$ 29,028,379
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 18,099,516	\$ 20,770	\$ -	\$ (47,536)	\$ 18,072,751
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	918,863	541,729	-	2,261	\$ 1,462,854
12	312	Collecting and Impounding Reservoirs	5,553,058	148,220	(95,511)	-	\$ 5,605,766
13	313	Lake, River and Other Intakes	6,159	-	-	-	\$ 6,159
14	314	Springs and Tunnels	-	-	-	-	\$ -
15	315	Wells	57,404,887	3,297,872	(231,616)	(0)	\$ 60,471,143
16	316	Supply Mains	27,380,471	2,525,748	(107,787)	4,900	\$ 29,803,332
17	317	Other Source of Supply Plant	898,255	-	-	(7,162)	\$ 891,093
18		Total Source of Supply Plant	\$ 92,161,693	\$ 6,513,569	\$ (434,914)	\$ (0)	\$ 98,240,348
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	25,003,177	1,413,520	(39,878)	513	\$ 26,377,332
22	322	Boiler Plant Equipment	-	-	-	-	\$ -
23	323	Other Power Production Equipment	-	-	-	-	\$ -
24	324	Pumping Equipment	134,407,228	8,555,633	(1,035,419)	(1,871,689)	\$ 140,055,753
25	325	Other Pumping Plant	30,984,303	10,234,569	(93,384)	1,871,689	\$ 42,997,177
26		Total Pumping Plant	\$ 190,394,707	\$ 20,203,722	\$ (1,168,680)	\$ 513	\$ 209,430,262
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	19,044,453	1,343,645	(55,488)	-	\$ 20,332,611
30	332	Water Treatment Equipment	61,504,624	1,609,383	(247,511)	-	\$ 62,866,496
31		Total Water Treatment Plant	\$ 80,549,077	\$ 2,953,028	\$ (302,999)	\$ -	\$ 83,199,106

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SCHEDULE A-1							
Account 100 - Utility Plant							
Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1	100.1	Utility Plant in Service (Schedule A-1a)	\$ 1,895,961,576	132,398,833	(24,734,704)	(40,493)	\$ 2,003,585,212
2	100.2	Utility Plant Leased to Others	-	-	-	-	-
3	100.3	Construction Work in Progress	123,600,450	156,589,151	-	(139,014,770)	141,174,831
4	100.4	Utility Plant Held for Future Use	-	-	-	-	-
5	100.5	Utility Plant Acquisition Adjustments	(7,415,191)	-	-	-	(7,415,191)
6	100.6	Utility Plant in Process of Reclassification	-	-	-	-	-
7		Total utility plant	\$ 2,012,146,835	\$ 288,987,984	\$ (24,734,704)	\$ (139,055,263)	\$ 2,137,344,852

SCHEDULE A-1a							
Account 100.1 - Utility Plant in Service							
Line No.	Acct	Title of Account (a)	Balance Beg of Year (b)	Additions During Year (c)	(Retirements) During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	\$ 251,643	-	(16,452)	-	\$ 235,191
3	302	Franchises and Consents	146,947	-	0	-	146,947
4	303	Other Intangible Plant	28,629,789	1,060,542	(159,087)	597,226	30,128,472
5		Total Intangible Plant	\$ 29,028,379	\$ 1,060,542	\$ (175,539)	\$ 597,226	\$ 30,510,610
6							
7		II. LANDED CAPITAL					
8	306	Land and Land Rights	\$ 18,072,751	\$ 220,544	\$ -	\$ -	\$ 18,293,295
9							
10		III. SOURCE OF SUPPLY PLANT					
11	311	Structures and Improvements	1,462,854	485,130	-	-	1,947,984
12	312	Collecting and Impounding Reservoirs	5,605,766	-	-	-	5,605,766
13	313	Lake, River and Other Intakes	6,159	-	-	-	6,159
14	314	Springs and Tunnels	-	-	-	-	-
15	315	Wells	60,471,143	11,700,814	(799,622)	(13,096)	71,359,237
16	316	Supply Mains	29,803,332	1,200,741	(50,953)	(28,817)	30,924,303
17	317	Other Source of Supply Plant	891,093	-	(820,254)	-	70,839
18		Total Source of Supply Plant	\$ 98,240,348	\$ 13,386,685	\$ (1,670,829)	\$ (41,915)	\$ 109,914,289
19							
20		IV. PUMPING PLANT					
21	321	Structures and Improvements	26,377,332	2,297,699	(24,134)	-	28,650,897
22	322	Boiler Plant Equipment	-	-	-	-	-
23	323	Other Power Production Equipment	-	-	-	-	-
24	324	Pumping Equipment	140,055,753	6,721,928	(1,515,109)	(1,094,661)	144,167,911
25	325	Other Pumping Plant	42,997,177	10,202,701	(151,332)	1,294,260	54,342,806
26		Total Pumping Plant	\$ 209,430,262	\$ 19,222,328	\$ (1,690,575)	\$ 199,599	\$ 227,161,614
27							
28		V. WATER TREATMENT PLANT					
29	331	Structures and Improvements	20,332,611	1,033,840	(23,012)	-	21,343,440
30	332	Water Treatment Equipment	62,866,496	5,833,586	(355,882)	-	68,344,199
31		Total Water Treatment Plant	\$ 83,199,106	\$ 6,867,426	\$ (378,894)	\$ -	\$ 89,687,638

Attachment 2-15: 2024 CWIP Proxy Calculations

Region	Plant Additions 2024	Multiply by Lag Percentage	Adjustments	Calculations	Cal Advocates CWIP Proxy Amount
I	\$8,240,800	$\$8,240,800 * 58\% = \$4,790,805$	-\$846,754	$\$4,790,805 - \$846,754$	\$3,944,051
II	\$14,551,600	$\$14,551,600 * 58\% = \$8,459,600$	-\$456,584	$\$8,459,600 - \$456,584$	\$8,003,016
III	\$15,645,100	$\$15,645,100 * 58\% = \$9,095,309$	-\$907,635	$\$9,095,309 - \$907,635$	\$8,187,674
Total	\$38,437,500	\$22,345,714	-\$2,210,973	-	\$20,134,741

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Attachment 2-16: 2025 CWIP Proxy Calculations

Region	Plant Additions 2025	Multiply by Lag Percentage	Adjustments	Calculations	Cal Advocates CWIP Proxy Amount
I	\$7,507,500	$\$7,507,500 * 58\% = \$4,364,499$	-\$846,754	$\$4,364,499 - \$846,754$	\$3,517,745
II	\$17,595,700	$\$17,595,700 * 58\% = \$10,229,294$	-\$456,584	$\$10,229,294 - \$456,584$	\$9,772,710
III	\$24,585,900	$\$24,585,900 * 58\% = \$14,293,060$	-\$907,635	$\$14,293,060 - \$907,635$	\$13,385,425
Total	\$49,689,100	\$28,942,313	-\$2,210,973	-	\$26,675,880

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Attachment 2-17: 2026 CWIP Proxy Calculations

Region	Plant Additions 2026	Multiply by Lag Percentage	Adjustments	Calculations	Cal Advocates CWIP Proxy Amount
I	\$8,836,200	$\$8,836,200 * 58\% = \$5,136,942$	-\$846,754	$\$5,136,942 - \$846,754$	\$4,290,188
II	\$14,462,400	$\$14,462,400 * 58\% = \$8,407,744$	-\$456,584	$\$8,407,744 - \$456,584$	\$7,951,160
III	\$25,211,300	$\$25,211,300 * 58\% = \$14,656,637$	-\$907,635	$\$14,656,637 - \$907,635$	\$13,749,002
Total	\$48,509,900	\$28,201,322	-\$2,210,973		\$25,990,350

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**Attachment 3-1: DR CHA-006 CWIP All
Response attachment CHA-006 Table 1 from
GSWC (Questions 1 and 2)**

BGT Type	Company	District	Category	RMA	CSA	Funding Proj	Bgt Grp	Work Order	WO Description	Addition				Year	Proj	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
										2024	2025	2026	Total						
Construct	Region I	Coastal	4b	Los Osos	Los Osos	1451251-02	41	14700120	Well Water Supp Edna, Drill & Equip	35,000	40,000	42,882	147,882	2012	5/1/2023	35%	6/29/2023	2022	
Construct	Region III	Mountain	4b	Region III	Wrightwood	3711551-02	51	37231060	Sheep Creek Res & Pipe USFS Easemnt	119,213	-	-	149,213	2014	3/31/2024	66%	6/29/2023	2021	
Construct	Region III	Mountain	4b	Region III	Morongo	3571953-01	53	35831018	Navajo Booster Zone Expansion	459,630	-	-	459,630	2017	3/31/2024	1%	6/29/2023	2021	
Construct	Region III	Mountain	4b	Region III	Morongo	3571651-01	41	35931059	Mojave Reservoir	818,000	515,923	-	1,383,923	2017	3/31/2025	5%	6/29/2023	2021	
Construct	Region III	Mountain	4b	Region III	Barstow	3451951-02	51	34731304	Basalt, Demo Plant	344,184	-	-	394,184	2017	2/1/2024	8%	6/29/2023	2020	
Construct	Region I	Coastal	4b	Los Osos	Los Osos	1451953-03	53	14631146	LosOsos Valley Rd, Palisades to 10th	418,794	-	-	468,794	2017	1/1/2024	36%	6/29/2023	2022	
Construct	Region III	Orange Cc	4b	Region III	Placentia/Yorba Linda	2722353-04	53	27531380	Moonbeam St AMR	300,000	-	-	1,080,456	2020	11/1/2023	4%	6/29/2023	2023	
Construct	Region II	Central	4b	Region II	Central Basin West	2242150-01	50	22811345	Systemwide, Replacement Well Land A	118,000	-	-	142,000	2020	Cancelled	6%	6/29/2023	2021	
Construct	Region II	Central	4b	Region II	Culver City	2342253-06	53	23611755	Westwood & Virginia Area Main Rplc	308,965	-	-	2,211,562	2020	11/1/2023	24%	6/29/2023	2022	
Construct	Region III	Mountain	4b	Region III	Barstow	3452351-01	51	34731411	Bear Valley Phase	774,695	-	-	2,774,695	2020	8/1/2024	59%	6/29/2023	2023	
Construct	Region I	Coastal	4b	Santa Mar	Santa Maria	1572150-01	50	16400106	Cypress Ridge Well Land Acquisition	124,691	-	-	154,691	2020	6/30/2024	65%	6/29/2023	2021	
Construct	Region I	Northern	4b	Bay Point	Bay Point	1222351-01	51	12411327	Bay Point, Systemwide SCADA	818,502	-	-	1,618,502	2020	1/1/2025	70%	6/29/2023	2023	
Construct	Region III	Mountain	4b	Region III	Callipatria	3512151-99	51	35231167	Callipatria SCADA (R3 2023)	2,168,650	-	-	2,768,650	2021	7/1/2024	18%	NA (UNB init	NA	
										6,808,324	555,923	42,882	13,754,182						

**Attachment 3-2: Y_SEC-50_RB_CWIP, sheet
IN_CWIP on line 910**

4/12/2023

BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance
Construction	Region III	Orange Cou 4c		Region III	Placentia/Yorba Linda	2722251-04	51	27431221	Hunting Horn, Reservoir Retrofit	1,039,741

Work Order	WO Description	12/31/2022 Balance	2023 Addition	2024 Addition	2025 Addition	2026 Addition	Total Addition
27431221	Hunting Horn, Reservoir Retrofit	1,039,741	2,828,159	-	-	-	2,828,159

**Attachment 3-3: Y_SEC-50_RB_CWIP, sheet
IN_CWIP on line 749**

4/12/2023										
BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance
Construction	Region II	Central	4d	Region II	Central Basin West	2242251-05	51	22750310	Well Replacement, Gage Well 2	59,578

Work Order	WO Description	12/31/2022 Balance	2023 Addition	2024 Addition	2025 Addition	2026 Addition	Total Addition
22750310	Well Replacement, Gage Well 2	59,578	2,022,897	4,500,000	2,280,825	-	8,803,722

**Attachment 3-4: - DR CHA-006 CWIP All
Response attachment CHA-006 Table 1 from
GSWC (Questions 1 and 2)**

BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	2024	2025	2026	Total Addition	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
										Addition	Addition	Addition						
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3571951-51		35831017	Morongo Del Norte SCADA Ph.III	198,299	-	-	498,299	2017	4/1/2024	12%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3571951-51		35931066	Morongo Del Sur SCADA Ph.III	272,026	-	-	672,026	2017	2/1/2024	16%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Wrightwo	3711951-51		37231116	Gov't Canyon Improve Site	390,363	-	-	1,750,448	2017	1/31/2024	16%	6/29/2023	2021
Construct	Region III	Foothill	4d	Region III	Claremont	3151954-54		31731384	Del Monte Treatment and Booster Sta	297,437	-	-	2,974,373	2017	1/1/2024	66%	NA (UNB init)	2021 & 2022
Construct	Region I	Coastal	4d	Santa Mar	Santa Mar	1571753-53		16400031	NCSO Pipeline	80,000	668,370	-	748,370	2017		99%	6/29/2023	2021
Construct	Region I	Coastal	4d	Santa Mar	Santa Mar	1571751-41		15931602	Kelt Reservoir	1,700,000	1,504,890	-	3,204,890	2019	9/1/2024	95%	6/29/2023	2021 & 2022
Construct	Region III	Orange County	4d	Region III	Placentia	2722351-51		27431222	Clearview Reservoirs & Pump Station	4,600,000	-	-	6,386,204	2020	12/30/2024	0%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Calipatria	3512353-53		35231141	Noffsing Rd. Transmission Main	2,021,616	-	-	2,033,656	2020	7/31/2024	1%	6/29/2023	2023
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1452251-51		14631254	Los Osos New Well Study	531,330	-	-	576,330	2020	10/1/2024	2%	6/29/2023	2022
Construct	Region II	Central	4d	Region II	Culver Ctr	2342353-53		23611756	Wrightcrest Dr. Area Main Rplc	2,358,729	-	-	3,240,381	2020	6/1/2024	2%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Wrightwo	3712251-51		37231150	Sheep Creek Reservoir	-	1,000,000	2,418,648	3,418,648	2020	12/31/2026	2%	6/29/2023	2023
BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	2024 Addition	2025 Addition	2026 Addition	Total Addition	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region III	Foothill	4d	Region III	San Gabri	3302251-51		33331286	Saxon Plant, Construct 0.75 MG Rese	3,072,092	-	-	3,127,092	2020	12/31/2024	4%	6/29/2023	2022
Construct	Region II	Central	4d	Region II	Central Ba	2242251-51		22750310	Well Replacement, Gage Well 2	4,500,000	2,280,825	-	8,803,722	2020	9/1/2025	5%	6/29/2023	2022
Construct	Region II	Central	4d	Region II	Central Ba	2242251-51		22811343	Replacement, Miramonte Well 1	4,000,000	1,855,900	-	7,873,167	2020	9/1/2025	5%	6/29/2023	2022
Construct	Region II	Central	4d	Region II	Central Ba	2242251-51		23011156	Replacement, Willowbrook Well	4,000,000	1,362,403	-	6,621,498	2020	10/1/2025	5%	6/29/2023	2022
Construct	Region III	Foothill	4d	Region III	San Gabri	3302351-51		33210467	Jeffries Plant, Construct Booster S	1,994,879	-	-	4,987,197	2020	12/31/2024	5%	6/29/2023	2023
Construct	Region II	Central	4d	Region II	Central Ba	2172251-51		21911357	Roseton Plant, New Tank and Booster	4,250,000	4,002,929	-	11,441,873	2020	7/1/2025	6%	6/29/2023	2022
Construct	Region II	Central	4d	Region II	Central Ba	2242251-51		22911153	CBW New CB-MWD interconnection	100,000	100,000	324,547	1,184,983	2020	2/1/2026	11%	6/29/2023	2022
Construct	Region III	Foothill	4d	Region III	San Gabri	3302351-51		33331288	Saxon Plant, install Booster Statio	3,973,673	1,897,603	-	5,871,276	2020	8/31/2025	13%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3572151-51		35831034	Navajo Booster Station	1,996,531	400,000	-	2,446,531	2020	1/1/2025	13%	6/29/2023	2021
Construct	Region I	Coastal	4d	Santa Mar	Santa Mar	1572351-51		15931709	Crescent Well 1 Site	667,553	-	-	967,553	2020	7/1/2024	15%	6/29/2023	2023
Construct	Region II	Central	4d	Region II	Central Ba	2242253-53		22911154	Center St AMR	144,035	-	-	1,804,266	2020	1/1/2024	16%	6/29/2023	2022
BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	2024 Addition	2025 Addition	2026 Addition	Total Addition	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3571051-51		35931007	Mojave Booster Station	1,250,000	1,520,890	-	2,820,890	2011	3/31/2025	22%	6/29/2023	2021
Construct	Region II	Southwest	4d	Region II	Southwest	2471154-54		25003254	Chadron Plant - Site Remediation	250,000	271,000	271,000	987,766	2011	12/1/2026	90%	6/29/2023	2021, 2022 & 2023
Construct	Region III	Orange County	4d	Region III	Placentia	2721651-51		27431082	Timberline Reservoir - Recoat Tank	150,000	-	-	186,551	2014	3/1/2023	98%	6/29/2023	2021
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1451751-51		14631080	Cabrillo Tank - Demolish Reservoir	-	-	188,232	188,232	2015	12/31/2024	75%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Apple Vall	3631651-51		36400253	APV South SCADA - Ph.III	217,249	-	-	267,249	2016	12/1/2024	1%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Apple Vall	3631751-51		36700114	Lucerne Valley SCADA	235,282	-	-	274,782	2016	8/1/2024	1%	6/29/2023	2021 & 2022
Construct	Region III	Mountain/Desert	4d	Region III	Apple Vall	3631651-51		36600214	APV North SCADA Ph.III	161,518	-	-	201,518	2016	8/1/2024	35%	6/29/2023	2021
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1451951-41		14700155	Jack Ranch, Construct Reservoir	1,104,340	-	-	2,004,340	2017	11/1/2024	1%	6/29/2023	2021 & 2022
Construct	Region III	Orange County	4d	Region III	Placentia	2721751-51		27611071	College Mdfy Reservoir	800,000	-	-	1,172,735	2017	6/1/2024	5%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Wrightwo	3711951-51		37231117	Overflow Wrightwood SCADA Phase III	800,000	512,283	-	1,662,283	2017	3/31/2025	7%	6/29/2023	2022
Construct	Region III	Foothill	4d	Region III	Claremont	3151951-51		31731381	Claraboya Booster Station	656,654	-	-	2,188,612	2017	6/1/2024	8%	NA (UNB init)	2021
Construct	Region III	Foothill	4d	Region III	San Gabri	3301951-51		33331213	Upgr Teresa, Electrical	1,607,915	-	-	4,010,487	2017	9/1/2024	10%	6/29/2023	2021

BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	2024 Addition	2025 Addition	2026 Addition	Total Addition	Year Project Added to CWIP	Estimated Project Completion Date as of 06/01/2023	Percentage of Project Completed as of 06/01/2023	Project Authorized Date	GRC Period (Years) Project Completion was Authorized
Construct	Region I	Coastal	4d	Simi Valle	Simi Valle	1662251-51		16731334	Pineview Reservoir Improvements	362,567	-	-	1,662,567	2020	12/1/2023	20%	6/29/2023	2022
Construct	Region I	Coastal	4d	Santa Mar	Santa Mar	1572251-51		15931705	Woodmere Plant, Disinfection Fac. Chadron Plant Upgrade Booster Sta.	417,282	-	-	417,282	2020	8/1/2023	25%	6/29/2023	2022
Construct	Region II	Southwest	4d	Region II	Southwest	2472351-51		25032424	Coloma WTP, Recoat Reservoir 2	2,800,000	-	-	3,162,838	2020	8/1/2024	27%	6/29/2023	2023
Construct	Region I	Northern	4d	Arden/Cor	Arden/Cor	1152151-51		11811753	Encinita Plant, New Field Office	388,738	-	-	538,738	2020	6/1/2024	28%	6/29/2023	2021
Construct	Region III	Foothill	4d	Region III	San Gabri	3302251-51		33210464	Indian Hill North, Repl. Booster St	1,691,206	-	-	2,618,577	2020	12/1/2024	28%	6/29/2023	2022
Construct	Region III	Foothill	4d	Region III	Claremont	3152251-51		31731519	Repl. Booster St Sunflower Well No. 1	1,535,172	-	-	3,345,332	2020	8/1/2024	30%	NA (UNB initi	2022
Construct	Region III	Foothill	4d	Region III	San Dimas	3212251-51		32631569	Hurley Way Pipeline	2,126,444	-	-	3,544,073	2020	11/1/2024	40%	NA (UNB initi	2022
Construct	Region I	Northern	4d	Arden/Cor	Arden/Cor	1152153-53		11700248	Meyer Rd. AMR Drill & Equip Baseline 6, Destroy 3	-	-	4,579,502	4,579,502	2020	5/31/2026	42%	6/29/2023	2021 & 2022
Construct	Region II	Central	4d	Region II	Central Ba	2172153-53		22011286	Orcutt System SCADA	-	-	433,100	433,100	2020	7/1/2025	44%	6/29/2023	2021
Construct	Region III	Mountain/Desert	4d	Region III	Barstow	3452151-51		34731417	La Jolla Well #3 Barstow SCADA (R3 Imprmts 2021)	570,404	-	-	2,852,019	2020	9/1/2024	60%	6/29/2023	2022
Construct	Region III	Mountain/Desert	4d	Region III	Barstow	3452151-51		34731417	La Jolla Well #3 Barstow SCADA (R3 Imprmts 2021)	1,885,033	-	-	2,580,388	2020	7/1/2024	60%	6/29/2023	2021
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1452153-53		14631241	Highland to Cabrillo Pipeline Country Club Pl Selenium Treatment	1,186,812	-	-	1,216,812	2020	12/1/2023	70%	6/29/2023	2021
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1452354-54		14700192	Massinger Well Repl. -	327,852	-	-	652,852	2020	5/1/2024	75%	6/29/2023	2023
Construct	Region II	Central	4d	Region II	Central Ba	2172151-51		21911340	Armstrong Coloma WTP, Filter Backwash Kelt Transmission Pipeline	4,500,000	569,146	-	7,760,437	2020	11/1/2024	87%	6/29/2023	2021
Construct	Region I	Northern	4d	Arden/Cor	Arden/Cor	1152351-51		11811748	Replace El Campo Reservoir 2	788,926	-	-	988,926	2020	1/1/2024	88%	6/29/2023	2023
Construct	Region I	Coastal	4d	Santa Mar	Santa Mar	1572153-53		15931703	Cameo Well #1	-	2,000,000	1,208,350	3,208,350	2020	6/1/2024	90%	6/29/2023	2021
Construct	Region I	Coastal	4d	Santa Mar	Santa Mar	1572351-51		16400108	Simi Valley System SCADA	1,157,914	-	-	1,757,914	2020	4/1/2024	90%	6/29/2023	2023
Construct	Region I	Coastal	4d	Santa Mar	Santa Mar	1572351-51		16400109	Simi Valley System SCADA	201,694	-	-	651,694	2020	10/1/2023	93%	6/29/2023	2023
Construct	Region I	Coastal	4d	Simi Valle	Simi Valle	1662351-51		16731341	Los Osos Systemwide SCADA	1,050,000	193,343	-	2,193,343	2020	9/1/2024	98%	6/29/2023	2023
Construct	Region I	Coastal	4d	Los Osos	Los Osos	1452351-51		14631255	Apple Valley South SCADA (R3 2022)	600,000	599,700	-	1,999,700	2020	7/1/2024	99%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Apple Vall	3632151-51		36400354	Wrightwood SCADA (R3 2022)	786,645	200,000	-	1,236,645	2021	3/31/2025	1%	NA (UNB initi	NA
Construct	Region III	Mountain/Desert	4d	Region III	Wrightwo	3712151-51		37231164	Lucerne SCADA (R3 2022)	900,000	958,122	-	2,258,122	2021	3/31/2025	14%	NA (UNB initi	NA
Construct	Region III	Mountain/Desert	4d	Region III	Apple Vall	3632151-51		36700156	Cordova Systemwide SCADA Project	171,074	100,000	-	316,074	2021	5/1/2025	15%	NA (UNB initi	NA
Construct	Region I	Northern	4d	Arden/Cor	Arden/Cor	1152351-51		11811796	Morongo Del Norte SCADA (R3 2021)	1,500,000	1,585,944	-	3,685,944	2021	2/1/2025	21%	6/29/2023	2023
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3572151-51		35831044	Apple Valley North SCADA (R3 2022)	30,000	-	-	190,668	2021	7/1/2024	21%	NA (UNB initi	NA
Construct	Region III	Mountain/Desert	4d	Region III	Apple Vall	3632151-51		36600278	Desert View SCADA (R3 2022)	154,250	-	-	184,250	2021	8/1/2024	24%	NA (UNB initi	NA
Construct	Region III	Mountain/Desert	4d	Region III	Apple Vall	3632151-51		36500091	Morongo Del Sur SCADA (R3 2021)	163,018	100,000	-	303,018	2021	1/1/2025	25%	NA (UNB initi	NA
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3572151-51		35931111	New W823A MWD & GSWC	247,160	-	-	547,160	2021	5/1/2024	30%	NA (UNB initi	NA
Construct	Region II	Central	4d	Region II	Culver Citi	2341951-51		23611831	PRV Vaults-Pll Mojave PSPS Generator	3,500,000	2,714,470	-	7,112,430	2021	12/1/2023	39%	6/29/2023	2021 & 2022
Construct	Region III	Mountain/Desert	4d	Region III	Morongo	3571851-51		35931117	Desert View Tank	166,306	-	-	166,306	2022	12/31/2024	0%	NA (UNB initi	NA
Construct	Region III	Mountain/Desert	4d	Region III	Apple Vall	3632150-50		36500092	Desert View Tank	250,000	1,411,735	2,000,000	3,704,235	2022	12/31/2026	1%	6/29/2023	2021
										79,834,233	28,769,590	11,423,379	167,574,943					

**Attachment 3-5: Y_SEC-50_RB_CWIP, sheet
IN_CWIP on line 819**

4/12/2023										
BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance
Construction	Region III	Mountain/De		5 Region III	Barstow	3452255-99	55	34731503	Renewable Energy Feasibility Study	-

Work Order	WO Description	12/31/2022 Balance	2023 Addition	2024 Addition	2025 Addition	2026 Addition	Total Addition
34731503	Renewable Energy Feasibility Study	-	190,000	-	-	-	190,000

**Attachment 4-1: - Y_SEC-50_RB_CWIP,
sheet IN_CWIP on line 35**

4/12/2023										
BGT Type	Company	District	Category	RMA	CSA	Funding Project	Bgt Grp	Work Order	WO Description	12/31/2022 Balance
Blankets	GO - COPS	Field Techni	4b	General Office	Field Technology Services	362209-98	B-09	03600029	Field Mobile Device Refresh	-

Work Order	WO Description	12/31/2022 Balance	2023 Addition	2024 Addition	2025 Addition	2026 Addition	Total Addition
03600029	Field Mobile Device Refresh	-	111,027	111,028	-	-	222,055