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Public Advocates Office	:	Meghan Tosney
Witness	:	

PUBLIC ADVOCATES OFFICE

REPORT ON CAPITAL PROJECTS, HISTORIC RATE BASE, UTILITY PLANT, DEPRECIATION, AND RATE BASE

Application 25-01-001
(San Gabriel Valley Water Company)

Los Angeles, California
July 25, 2025

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CHAPTER 1 PREVIOUSLY FUNDED INCOMPLETE PROJECTS

I. INTRODUCTION

SGVWC's application includes several capital projects that have not been completed despite being approved as part of the capital budget from the previous General Rate Case (GRC). These Previously Funded Incomplete Projects, listed in Table 1-1, remain unfinished despite ratepayers already funding their costs, including shareholder profit. The Commission should deny SGVWC's request to include these projects in rates again and avoid charging ratepayers twice for the same uncompleted work.

II. SUMMARY OF RECOMMENDATIONS

Consistent with prior decisions, including D.24-03-042, the Commission should deny SGVWC's proposal to include in the revenue requirements and customer rates any capital projects included in the previous GRC that were not completed as anticipated.[1] These Previously Funded Incomplete Projects are listed in Table 1-1, for a total of $23.957 million in the Los Angeles Division (LA division) and $15.225 million in the Fontana Water Company Division (FWC division).

[1] According to the final settlement agreement resulting from A.22-01-003 and D.24-03-005.

Table 1-1: Previously Funded Incomplete Projects[2]

Division	Plant Site	Project Description	SGVWC Budget 2025-2028 ($ M, Excluding Outside Contributions)	Projected Completion Date from Prior GRC Settlement	Projected Completion Date from Current GRC	Construction Completion Delay (in Years)
LA	1	Per- and polyfluoroalkyl substances (PFAS) Treatment	6.565	2024	2026	2
	7	Construct Reservoir South	5.457	2024	2027	3
	11	PFAS Treatment	7.580	2025	2028	3
	B15	Construct Reservoir West	4.355	2025	2028	3
	TOTAL LA DIVISION: 23.957					
FWC	F10	Drill and Equip Well F10E	4.650	2023	2026	3
	F20	Construct Reservoir North	8.350	2025	2028	3
	F21	Drill and Equip Well F21C	1.225	2024	2025	1
	Summit	Solids Handling (Design and Permitting only)	1.000	2024	2025	NA[3]
	TOTAL FWC DIVISION: 15.225					

III. ANALYSIS

Ratepayers should not pay twice for projects have yet to produce benefits. SGVWC should not be allowed to charge ratepayers for incomplete projects that have

[2] SGVWC's Response to Cal Advocates' Data Request (DR) MTN-005, Response No. 1 and Attachments 1.a and 1.b [see Attachment 1]); and SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028).

[3] The construction portion of the Summit Solids Handling Project was not included in the settlement agreement from the prior GRC (SGVWC's Response to Cal Advocates' DR MTN-005, Response No. 1 and Attachments 1.a and 1.b [see Attachment 1]).

previously been funded by ratepayers. Ratepayers should not be expected to fund utility profit on projects that are not used and useful, especially when ratepayers have already funded a shareholder profit based on the assumptions from previous GRCs that SGVWC would complete these projects within the past GRC cycle.

Table 1-1 includes SGVWC's currently proposed completion dates for eight projects that were previously funded but not completed.[4] These projects show an average delay of three years when comparing the projected construction completion date from the prior GRC in 2022 to the projected dates in the current GRC application. SGVWC has proven itself unable to complete these previously funded projects on time. These projects are still not complete, and Cal Advocates staff observed that construction had not yet begun during the site visits on February 19 and February 20, 2025.

SGVWC requests approximately $39.182 million for these projects from 2025 through 2028 ($23.957 million LA division, and $15.225 million FWC division). Including these projects in rates for a second time is unreasonable. Consistent with D.24-03-042,[5] in which the Commission declined to allow repeated projects to be included in rate base until completed, used, and useful, the Commission should not allow the project costs included in Table 1-1 to be recovered in rates as part of this GRC.

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[4] These eight projects were identified by comparing the projects proposed in SGVWC's 2025 GRC capital budgets (SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028) to the capital budgets associated with the settlement from the 2022 GRC (SGVWC's Response to Cal Advocates' DR MTN-005, Response No. 1 and Attachments 1.a and 1.b [see Attachment 1]).

[5] D.24-03-042 at 32, which states:

"We are concerned with the magnitude of projects that were authorized in the 2018 GRC but never completed for a variety of reasons. The failure to complete these projects is an example of why the "used and useful" doctrine is important and its application ensures proper safeguards are in place to protect ratepayers from bearing the costs for projects that may not come to fruition.

Here we authorize these projects in the amount consistent with the previous GRC's authorization but decline to allow them to be recovered in rates at this time. Instead, Cal Water is authorized to follow the Commission's existing process for adding previously authorized projects that are completed and used and useful to rate base through our Industry Division's approval process. This process would allow for carry-over projects completed at a later date to be placed into rate base once these projects are considered "used and useful."

Utilities receive a profit on rate base, and spending on capital projects contributes to rate base, therefore increasing the shareholder profits included in rates. One of the Commission's main roles is to act as a substitute for competition.[6] Normal market forces do not exist in the case of Investor-Owned Utilities (IOUs) and regulated monopolies. A normal business would not be rewarded for failing to complete projects on time and would not expect to receive a profit on an investment that is not yet providing a service or benefit. Therefore, the Commission should not continue to include in SGVWC rates these projects that remain incomplete despite ratepayers having already paid for them previously.

During a typical GRC, IOUs propose capital projects which would increase rate base and contribute to an increase in rates. The projects presented in Table 1-1 are different in that SGVWC's rates have already funded these projects (including profit). SGVWC has therefore been receiving a return on projects it never completed that are providing no benefit to ratepayers.

Because ratepayers have already funded these project costs over a previous rate case cycle, the Commission should allow SGVWC to request continued recovery of these costs only after the projects have been successfully completed and put into service, consistent with D.24-03-042. Cal Advocates also recommends this should occur in a subsequent GRC, rather than an advice letter request.[7] The advice letter process reduces transparency and is not incorporated into the final rate impacts reflected in this GRC. Therefore, ratepayers and decisionmakers receive only a partial view of the potential impact of the decision. Furthermore, advice letters are approved through an administrative process without the benefit of an evidentiary record to document and rectify any factual disputes that may arise. Finally, unlike GRCs, advice letters do not

[6] "Our objective through regulation is to act as a substitute for competition." D.96-04-050 citing D.86-08-083.

[7] Pursuant to General Order 96-B Water Industry Rule 7.3.3(8), there is a process to submit Tier 3 advice letters requests for Commission approval to recover costs as rate base offsets. In addition, if the completed project scope and budget is consistent with a prior Commission approval, then a Tier 2 advice letter subject to Industry Division disposition may be applicable (see General Order 96-B, Rule 7.6.1).

adhere to an established submission schedule which creates an unpredictable workload on the Commission and its staff.

Additionally, after accounting for escalation, the forecasted total cost of these projects has increased nearly 14% compared to costs from the Prior GRC Settlement, and approximately three-quarters of the individual projects show an increased budget compared to the project budget from the Prior GRC Settlement.[8] Therefore, there is a high likelihood that these projects will be completed at costs that exceed the budget previously authorized by the Commission. Moreover, consistent with recommendations presented in Chapters 6 and 7 of this report, three of the proposed projects in Table 1-1, Well F10E, PFAS Treatment at Plant 1, and PFAS Treatment at Plant 11, are located in zones where SGVWC has not adequately supported the need for additional supply capacity. Therefore, these projects should not be incorporated into rate base unless SGVWC provides adequate justification that the projects are necessary and reasonable.

Given all of the above, it is important that recovery of these Previously Funded Incomplete Projects is considered as part of a future GRC, where the Commission can perform an adequate review of reasonableness and prudency. This would ensure a holistic and transparent process with adequate stakeholder involvement.

Consistent with the recommendations above, the Commission should remove from SGVWC's recommended budget a total of $39.182 million associated with the Previously Funded Incomplete Projects listed in Table 1-1.

IV. CONCLUSION

The Commission should deny SGVWC's proposal to include, in the revenue requirement and customer rates, projects funded by ratepayers in the previous GRC that were not completed as anticipated and funded, as outlined in Table 1-1 ($23.957 million LA division, and $15.225 million FWC division). Ratepayers should not pay a second

[8] The capital budgets associated with the settlement from the 2022 GRC (SGVWC's Response to Cal Advocates' DR MTN-005, Response No. 1 and Attachments 1.a and 1.b [see Attachment 1]); and the 2025 GRC capital budgets (SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028).

time for shareholder profit on projects that have yet to produce benefits. SGVWC has proven itself unable to complete these previously funded projects on time. Therefore, the Commission should require SGVWC to complete the projects and put them into service before allowing them to be included in rates again. Cost recovery for these projects should be requested as part of a subsequent GRC filing.

CHAPTER 2 PRE-CONSTRUCTION PROJECTS

I. INTRODUCTION

SGVWC included in its current GRC budget several capital projects which include only pre-construction costs, such as planning, design, permitting, land acquisition, or an initial phase of construction work that will not result in a complete project. Despite SGVWC's proposal to receive profit on these types of projects, the Commission should deny cost recovery and the provision of shareholder profit on these Pre-Construction Projects, listed in Table 2-1, until they become used and useful.

II. SUMMARY OF RECOMMENDATIONS

Consistent with prior decision D.24-03-042,[9] the Commission should deny SGVWC's proposal to include these Pre-Construction projects in its capital budget for this GRC. If any of these proposed projects are complete or assumed to be complete during the rate-setting period of a subsequent GRC, SGVWC should be allowed to propose recovery and their inclusion in rate base as part of such subsequent GRC filing. These Pre-Construction Projects are listed in Table 2-1, for a total of $1.0 million in the LA division and $8.55 million in the FWC division.

[9] D.24-03-042 at 31, which states:

"We also agree with Cal Advocates' second point that the full impact on rates cannot be determined until the entire project is completed. The project also does not always get completed as proposed and can sometimes require modifications or be abandoned for compelling reasons. However, in these situations, the one-step approach affords the Commission the opportunity to fully examine all project elements or abandoned projects issues for reasonableness once the projects are completed and the costs are presented in a subsequent GRC for recovery."

Table 2-1: Pre-Construction Projects[10]

Division	Location	Project Description	Budget Year 2025	Budget Year 2026	Budget Year 2027	Budget Year 2028	Total Budget Year 2025-2028
LA	Plant 8	PFAS Treatment Design and Permitting		$150,000	$150,000		$300,000
	Plant B19	Land Acquisition for Future Reservoir				$300,000	$300,000
	Plant W6	Booster Station Design and Permitting			$200,000	$200,000	$400,000
						TOTAL LA DIVISION 2025-2028:	**$1,000,000**
FWC	Hunter's Ridge (Mains Budget)	Transmission Main Alignment Study	$200,000				$200,000
	Plant F10	Reservoir West Demolition, Fencing, Grading, Site Improvements	$3,300,000		$3,100,000		$6,400,000
	Plant F59	Reservoir Design and Permitting, Fencing, Grading, Security	$100,000		$1,850,000		$1,950,000
						TOTAL FWC DIVISION 2025-2028:	**$8,550,000**

III. ANALYSIS

The Commission should not allow funding for Pre-Construction Projects in this GRC. SGVWC budgeted approximately $9.5 million for the Pre-Construction Projects,

[10] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

as shown in Table 2-1. For these projects, SGVWC requests that ratepayers fund the pre-construction costs including shareholder profits in this GRC, despite the fact that the proposed projects will not be complete, used, and useful during the current GRC period.

One issue with allowing pre-construction projects is the uncertainty of the project scope and the large potential for project cost discrepancy. When planning, design, permitting and other pre-construction work is yet to be completed, there is significant uncertainty in estimating construction and total project costs. For most of the projects in Table 2-1, pre-construction work will not be completed until 2027, 2028, or later. These timelines to complete pre-construction work indicate that the full construction project scopes are not yet developed. This results in higher uncertainty regarding the total costs to complete these projects.

Excluding these pre-construction costs from the revenue requirement for this GRC is consistent with D.24.03-042, in which the Commission agreed that projects would be considered with the traditional "one-step" approach, wherein pre-construction and construction costs are fully examined and considered holistically prior to approval.[11] A "two-step" approach, to fund pre-construction work as part of this GRC, and the remaining costs as part of a future GRC would be unreasonable. This "two-step" approach would require current ratepayers to funds costs for projects that may never be completed and provide benefits. Moreover, the costs of construction are uncertain, meaning that the reasonableness of the project costs cannot be determined. Therefore, including these pre-construction costs in the revenue requirement for this GRC would unfairly shift risks to the ratepayers.

Due to the high level of uncertainty in project scope and total costs associated with completing the Pre-Construction Projects in Table 2-1, no funding should be allowed in this GRC for the requested pre-construction costs. SGVWC may pursue the design and permitting phase of the projects shown in Table 2-1 and request all prudent pre-

[11] D.24-03-042, *Decision Approving a Partial Settlement Agreement and Adopting Rates for California Water Service Company's Test Year 2023 General Rate Case,* at 31.

construction costs in a future GRC when there is more clarity on the total project scope, cost, schedule, and expectation that the project will become used and useful. This will provide less uncertainty and more transparency regarding the total project costs borne by the ratepayers. SGVWC's application does not provide adequate information to support the cost effectiveness of the projects listed in Table 2-1, and there are too many unknowns to ascertain that the facilities will be used and useful within a reasonable timeframe.

IOUs should not expect to receive profit on investments that are not providing a service or benefit. Ratepayers should only pay for projects that are well supported, based on a thorough and accurate analysis of the total costs and resulting benefits.

The Commission should remove $9.55 million budgeted for the Pre-Construction Projects listed in Table 2-1.

IV. CONCLUSION

The Commission should reject SGVWC's request to include $9.55 million in Pre-Construction Projects listed in Table 2-1 in its capital budget ($1.0 million LA division, and $8.55 million FWC division). These projects are not used and useful, lack complete cost and scope information, and have a high level of uncertainty. SGVWC should not receive profit on investments that are not providing a service or benefit.

CHAPTER 3 COST ADDERS AND ESCALATION

I. INTRODUCTION

SGVWC applies the following cost adders to its individual capital projects: 10% for contingency,[12] 3% for inspections, and 4% for project management.[13] SGVWC also uses various annual escalation rates ranging from 5 to 15%.[14]

II. SUMMARY OF RECOMMENDATIONS

Consistent with prior decisions,[15] and because SGVWC's proposed costs do not meet the Commission's requirement that a utility must demonstrate the reasonableness of every dollar included in its revenue requirement and customer rates, the Commission should: (1) deny SGVWC's proposal to include a 10% contingency factor in its rates; (2) deny SGVWC's proposal to include a 4% project management factor in its rates; and (3) adjust SGVWC's proposed escalation rates to 3% based on current Consumer Price Index (CPI) rates.

III. ANALYSIS

A. Contingency

The Commission states, "in a normal general rate case, the utility must demonstrate the reasonableness of every dollar in its revenue requirement."[16] A contingency, by definition, is included to account for unknown future costs, which are not reasonable for ratemaking purposes due to their unpredictability.

Ratepayers are a captive market. Unlike most other services and goods that a ratepayer purchases, a ratepayer does not have the option to switch to an alternative utility service if they are dissatisfied. As a result, the normal supply and demand forces of

[12] SGVWC 2025 GRC Application, Exhibit SG-14 at 19.

[13] SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 2, Attachment 2 (see Attachment 2).

[14] SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 1 (see Attachment 2).

[15] D.96-12-066 at 5, and D.24-03-042 at 25.

[16] D.96-12-066 at 5.

a free-market economy are not present. The Commission must therefore act as a substitute for competition to protect ratepayers.

When analyzing requests for contingency funding, it is necessary to consider the way regulated IOUs receive their profits. They are not subject to the same drivers as regular businesses. When it comes to capital projects, IOUs have an incentive to spend as much as possible. Utilities are permitted to include in rates a profit based on their approved rate of return applied to their rate base. The higher the rate base, the higher the return.

As a result, SGVWC has no incentive to spend anything less than the total amount authorized by the Commission. SGVWC has every reason to add the entire amount of contingency into the rate base. In fact, not spending all its awarded capital budget, including all contingency funds, would be a disadvantage to the company as it would lower shareholder returns.

In D.24-03-042, the Commission rejected California Water Service's requested contingency factors and affirmed the Commission's practice "consistent with ratemaking policy, to disallow contingencies in order to motivate utilities to remain within forecast budgets for their capital projects."[17] SGVWC can justify and request to recover any reasonable capital costs in excess of its budget in its next GRC.

Considering the aforementioned incentives and the Commission decisions, the Commission should deny SGVWC's proposal to include a contingency factor in customer rates.

B. Project Management

SGVWC includes the following additional cost adders in its capital budgets: 3% for inspections, and 4% for project management. SGVWC indicates that these percentages are based on historical data and industry practice, and that external contractor

[17] D.24-03-042, *Decision Approving a Partial Settlement Agreement and Adopting Rates for California Water Service Company's Test Year 2023 General Rate Case*, March 15, 2024 at 25.

services are necessary to meet these specific project needs.[18] During discovery, SGVWC provided its actual outside contractor costs incurred for project inspection and project management for the past 5 years. Based on this data, past spending is around 2% and 0% for inspections and project management, respectively.[19] Therefore, the cost adder SGVWC includes in its capital budgets for outside project management work is not supported by SGVWC's past practices.

As described further in Section A above, SGVWC has no incentive to spend anything less than the total amount authorized by the Commission. SGVWC has every reason to add the entire amount of budgeted costs into the rate base. In fact, not spending all its awarded capital budget would be a disadvantage to the company as it would lower shareholder returns. Therefore, unjustified costs budgeted for outside project management work should be removed from SGVWC's proposed capital budgets. This will motivate SGVWC to complete projects as cost-effectively as possible. Moreover, including this cost in revenue requirements is inappropriate as it fails the Commission's requirement for a utility to demonstrate the reasonableness of every dollar included in its revenue requirement.[20]

In the event that SGVWC experiences cost overruns for its proposed projects that are funded in this GRC, all additional costs should be included in rate base in a subsequent GRC when SGVWC can demonstrate that the costs were actually incurred and reasonable.

C. Escalation

SGVWC applies an annual escalation rate in forecasting capital costs for 2026, 2027, and 2028. SGVWC assigned different escalation rates ranging from 5 to 15% for thirteen different types of budget items, such as electrical, site and street improvements,

[18] SGVWC's Response to Cal Advocates' DR MTN-006, Response No. 1 (see Attachment 3).

[19] Based on SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 2 (see Attachment 2).

[20] D.96-12-066 at 5.

booster stations, pumps, reservoirs, treatment, etc.[21] SGVWC determined these different escalation rates by using data from actual bid results in a linear regression analysis.[22]

There are multiple issues with the data analysis SGVWC provided in support of its proposed escalation rates. For most of the categories, the trend line used to calculate the annual escalation increase is either: (1) based on as few as two data points, and often with two data points collected in the same year, which is not adequate to project forward a reliable trend line (for example: analysis for both walls and fence/pilasters are based on two data points from 2018, analysis for well equipping is based on two data points from 2018 and 2019, analysis for booster stations is based on two data points from 2018 and 2020, analysis for pumps is based on two data points from 2018 and 2020, and analysis for treatment is based on two data points from 2020); (2) not a good fit with the provided data, with r-squared values less than 0.5 (for example: the trend for booster station electrical has an r-squared value of 0.19, and that for reservoir data has an r-squared value of 0.42); or (3) based on unit costs that may not be appropriate to correlate due to differences in project scopes and specifications (for example: directly correlating electrical costs based on the cost per amp regardless of panel size). Based on these various issues, the annual escalation rates SGVWC calculated are not adequately supported.

The current CPI 12-month percentage change, per the U.S. Bureau of Labor Statistics (BLS), has not exceeded 5 percent in the last 15 years, aside from a brief peak at around 9.1% during the pandemic. The current rate, as of March 2025, for the United States, is 2.4%.[23] Looking at BLS CPI data specific to metropolitan areas, the data for the Los Angeles metropolitan area shows a similar trend over the past 15 years, with the

[21] SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 1 (see Attachment 2).

[22] SGVWC's Response to Cal Advocates' DR MTN-015, Response No. 1 and Attachment 1 (see Attachment 4).

[23] https://www.bls.gov/charts/consumer-price-index/consumer-price-index-by-category-line-chart.htm, accessed June 10, 2025.

current rate, as of March 2025, at 3.0%.[24] Therefore, current and historical inflation data does not support SGVWC's high annual escalation rates ranging from 5 to 15%.

As described earlier in Section A above, when it comes to capital projects, IOUs have an incentive to spend as much as possible to increase their rate base, since they receive a profit based on their approved rate of return applied to their rate base. In other words, the higher the rate base, the higher the return. Therefore, to act as a substitute for competition and protect ratepayers, the Commission should not include higher than justified escalation costs in customer rates. This will motivate SGVWC to complete projects as cost-effectively as possible and ensure that SGVWC receives a return only on reasonable and justifiable capital costs.

Given the inflation data and trends cited above, 3.0% is a fair and reasonable annual escalation rate to apply for escalating SGVWC's capital costs.

IV. CONCLUSION

The Commission should: (1) deny SGVWC's proposal to include a 10% contingency factor in its rates; (2) deny SGVWC's proposal to include a 4% project management factor in its rates; and (3) adjust SGVWC's proposed escalation rates to 3% based on current Consumer Price Index data. These changes will align SGVWC's capital budget with prior Commission decisions and help ensure that SGVWC receives a return only on reasonable, justified, and adequately supported costs. If a project goes over budget during implementation, SGVWC always has the option to request additional funds in its next GRC when the increased costs can be properly reviewed for reasonableness before they are included in revenue requirements and customer rates.

[24] https://www.bls.gov/charts/consumer-price-index/consumer-price-index-by-metro-area.htm, accessed June 10, 2025.

CHAPTER 4 MAIN, SERVICES, AND HYDRANTS

I. INTRODUCTION

SGVWC's proposed capital budget includes annual replacement of main pipelines at rates of approximately 0.7% and 0.6%, for the LA division and FWC division respectively.[25] SGVWC's proposed costs do not meet the utility's requirement to demonstrate the reasonableness of every dollar included in its revenue requirement and customer rates.[26]

II. SUMMARY OF RECOMMENDATIONS

The Commission should adjust SGVWC's estimated costs for Mains, Services, and Hydrants consistent with Cal Advocates' recommendations in the Cost Adders and Escalation section of this testimony, including removing contingency and project management costs, and adjusting the escalation rate consistent with current CPI rates. As outlined in Table 4-1, these changes would reduce projected costs for Mains, Services, and Hydrants by a total of $5.90 million in LA division and $6.91 million in FWC division, over 2025-2028.

[25] Based on the footage of pipeline proposed for installation in SGVWC 2025 GRC Application, SG-15, Attachment B.

[26] D.96-12-066 at 5.

Table 4-1: Mains, Services, and Hydrants Installations

Division	Plant Account	SGVWC Budget 2025-2028 ($ M, Excluding Outside Contributions)	Cal Advocates Recommended Budget 2025-2028 ($ M, Excluding Outside Contributions)	Difference ($ M)
LA	Mains	40.0	35.21	4.79
	Services	8.26	7.27	0.99
	Hydrants	1.0	0.88	0.12
	Total for LA	**49.26**	**43.36**	**5.90**
FWC	Mains	44.0	38.59	5.41
	Services	11.2	9.82	1.38
	Hydrants	1.1	0.97	0.13
	Total for FWC	**56.3**	**49.39**	**6.91**

In addition to the adjustments outlined in Table 4-1, the following separately budgeted line items should be removed from SGVWC's projections for Mains: (1) $250,000 to develop the Hacienda Heights Main Replacement Program (LA division), because the need for this additional work is not adequately-supported; and (2) $200,000 to plan the alignment of a new transmission main to serve the Hunter's Ridge area (FWC division), consistent with the Pre-Construction Projects section of this testimony in Chapter 2.

This would bring the total reduction to projected costs for Mains, Services, and Hydrants to $6.15 million in LA division and $7.11 million in FWC division, over 2025-2028.

III. ANALYSIS

As a regulated monopoly, SGVWC faces no market pressure to minimize costs. Instead, it benefits from maximizing rate base. The Commission must act as a substitute for competition by curbing SGVWC's unnecessary capital costs to ensure that ratepayers do not have to fund unreasonable returns.

Consistent with Cal Advocates' recommendations presented in Chapter 3, regarding Cost Adders and Escalation, SGVWC's capital budgets for Mains, Services,

and Hydrants,[27] must be adjusted to remove contingencies (10%) and project management (4%) cost adders, and to reduce escalation to 3.0%.

SGVWC's budget for Mains also includes the following separate budget line items that should be removed from the capital budget for this GRC: (1) $250,000 to develop the Hacienda Heights Main Replacement Program (LA division), and (2) $200,000 to plan the alignment of a new transmission main to serve the Hunter's Ridge area (FWC division).[28] The reasons for excluding these two costs from the capital budget for this GRC are outlined below.

Much of SGVWC's justification for the Hacienda Heights work is based upon the prevalence of existing asbestos cement pipes and thin-wall steel pipes with rubber ring joints in the area, and a single event when, in 2023, an asbestos pipe with no prior leak history developed a leak and damaged the adjacent slope and road and flooded a nearby property. Despite the negative consequences of this individual event, no clear justification is provided for funding a separate main replacement planning effort related to this area. SGVWC does not provide a clear description of the scope of additional planning work that would be implemented, nor a clear justification regarding why main replacement work in this area can't be planned and prioritized as part of SGVWC's ongoing system-wide main replacement program. These costs should not be included in rate base since SGVWC has not provided adequate support to demonstrate the costs are reasonable and necessary.

Similarly, the work in the Hunter's Ridge area is solely planning work and, consistent with arguments presented in the Pre-Construction Projects section of this testimony, these costs should only be included in the rate base when the proposed project is complete, used, and useful.

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[27] Capital budget detail provided in SGVWC's Response to Cal Advocates' DR MTN-006, Response No. 3 and Attachments 3.a and 3.b (see Attachment 3).

[28] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

The adjustments outlined herein result in total reductions to Mains, Services, and Hydrants of $6.15 million and $7.11 million over 2025 through 2028, for LA division and FWC division, respectively.

IV. CONCLUSION

The Commission must curb unnecessary capital spending and thereby ensure that ratepayers do not have to fund unreasonable returns associated with capital solutions that are not necessary and reasonable. To protect ratepayers, the Commission should: (1) adjust costs for mains, services, and hydrants installation to remove contingency and project management costs, and allow escalation costs based on a 3% annual escalation rate (the impacts of these adjustments are outlined in Table 4-1, and reduce 2025-2028 costs by $5.90 million in LA division and $6.91 million in FWC division); and (2) remove the separate budget line items to (a) develop the Hacienda Heights Main Replacement Program ($250,000 LA division), and (b) plan the alignment of a new transmission main to serve the Hunter's Ridge area ($200,000 FWC division). The total adjustments outlined herein reduce the 2025-2028 budgets for Mains, Services, and Hydrants by $6.15 million and $7.11 million, for LA division and FWC division, respectively.

CHAPTER 5 METERS

I. INTRODUCTION

SGVWC proposes to accelerate the meter replacement program in its capital budget by requesting: $1.8 million annually for the LA division, and $2.3 million annually for the FWC division.[29] This is a significant increase that would complete meter replacements by 2028 instead of the Commission-approved 2032 timeline.[30]

II. SUMMARY OF RECOMMENDATIONS

The Commission must reduce the proposed annual budgets for meter replacement to curb unnecessarily accelerated capital spending and minimize the negative impact of early meter retirements on ratepayers. To bring spending on meter replacement more in line with the originally authorized implementation timeline, SGVWC's annual budget should be adjusted as outlined in Table 5-1: $0.95 million for the LA division; and $0.9 million for the FWC division.

Table 5-1: Meter Replacement

Division	SGVWC Annual Budget 2025-2028 ($ M, Excluding Outside Contributions)	Cal Advocates Recommended Annual Budget 2025-2028 ($ M, Excluding Outside Contributions)	Annual Difference ($ M)
LA	1.80	0.95	0.85
FWC	2.30	0.90	1.40

[29] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028; and SGVWC 2025 GRC Application, Exhibit SG-6 – Errata Version 4-29-2025, which clarifies that the budget includes only meter replacement work.

[30] D.17-06-008, *Decision Approving Settlement and Authorizing Revenue Requirements for the San Gabriel Valley Water Company.*

III. ANALYSIS

SGVWC's current budget request for its meter replacement program is not consistent with the timeline approved by the Commission in D.17-06-008.[31] That decision approved a meter replacement budget that would complete Automated Meter Reading (AMR)-compatible meter replacement work in approximately 16 years, or by 2032.[32] SGVWC has replaced approximately half of its meters with AMR compatible meters as of the end of 2024.[33] SGVWC's proposed budget for this GRC would increase the rate of installation to complete the remaining meter replacement work in this GRC period, by 2028.[34] This increased rate of implementation is problematic because it would lead to significantly increased early retirement of meters that are still within their service life.

The concept of extraordinary early retirements is discussed further in Chapter 14. To briefly summarize the issue, IOUs typically fully depreciate each asset upon retirement, even when assets are retired early. This leads to a net decrease to the depreciation reserve, and therefore a net increase to rate base, required revenues, and shareholder profits, the costs of which are paid by the ratepayers. Cal Advocates generally recommends an adjustment to the depreciation reserve to account for an IOU's extraordinary early retirements, which ensures that shareholders aren't receiving unreasonable returns on early retired assets.

The impact of early retirement on the depreciation reserve is most significant when assets are retired very early. In these cases, limited depreciation has occurred over the short service life of the asset, and the net book value (NBV) remaining at retirement is a high percentage of the originally recorded value. NBV is the original undepreciated

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[31] D.17-06-008, *Decision Approving Settlement and Authorizing Revenue Requirements for the San Gabriel Valley Water Company,* at 12.

[32] Per D.17-06-008 at 12, Appendix C at 8.

[33] Based on SGVWC 2025 GRC Application, Exhibit SG-6 – Errata Version 4-29-2025 at 36, and SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 7 and Attachment 7 (see Attachment 2).

[34] SGVWC 2025 GRC Application, Exhibit SG-6 – Errata Version 4-29-2025 at 39.

cost of the asset minus accumulated annual depreciation; therefore, NBV is essentially the amount of the asset that was not depreciated prior to retirement. As described in Chapter 14, Cal Advocates calculated an adjustment to the depreciation reserve by focusing on assets with a NBV at retirement that exceeds 50% of the original recorded value and summing the NBV of those extraordinary early retired assets.

Based on this approach, over the last ten years, approximately $3.51 million of SGVWC's water meter retirements would be categorized as extraordinary early retirements.[35] In this GRC, these meter assets were not included in Cal Advocates' recommended depreciation reserve adjustment, since meter replacement work was implemented at a rate consistent with SGVWC's approved replacement program. That said, there is still a negative impact to ratepayers when excessive early retirements occur. If SGVWC completes meter replacements at its proposed increased rate of replacement for this GRC period, it would lead to approximately $3.46 million in extraordinary early retired water meter assets between 2025 and 2028.[36] Therefore, to protect rate payers and minimize early retirement of serviceable meters, an increased rate of meter replacement should not be approved.

To bring spending on meter replacement more in line with the originally authorized implementation timeline, SGVWC's budget should be adjusted as follows: $0.95 million, which correlates to approximately 3,135 meters replaced annually, for the LA division; and $0.9 million, which correlates to approximately 3,000 meters replaced annually, for the FWC division. If replacement work continues at a similar rate again in the next GRC (2029-2032), then SGVWC would complete the replacements by approximately 2032,[37] which is much more in line with the originally authorized

[35] Based on 2015-2024 data from SGVWC's Response to Cal Advocates' DR MTN-002, Response No. 1 and Attachment A (see Attachment 5).

[36] Based on SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 7 and Attachment 7 (see Attachment 2). Analysis based on the total NBV upon retirement for assets with a NBV at retirement that exceeds 50% of the original recorded value.

[37] Based on total meters remaining for replacement per SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 7 and Attachment 7.

timeline. This approach is recommended to minimize excessive early retirement of existing serviceable meters.

The revisions outlined herein reduce the 2025-2028 budget for meters to $3.8 million and $3.6 million, for LA division and FWC division, respectively.

IV. CONCLUSION

To reduce unnecessarily accelerated capital spending and minimize the negative impact of early meter retirements, the Commission should reject SGVWC's accelerated meter replacement budget. This will minimize premature meter retirements and their impact on ratepayers. Instead, annual spending should be limited to $0.95 million annually for the LA division, and $0.9 million annually for the FWC division. This recommendation is consistent with the replacement timeline approved by the Commission in D.17-06-008.[38]

[38] D.17-06-008, *Decision Approving Settlement and Authorizing Revenue Requirements for the San Gabriel Valley Water Company,* at 12.

CHAPTER 6 WELL PROJECTS

I. INTRODUCTION

As part of its proposed capital budget, SGVWC plans to drill, equip, rehabilitate, or convert five wells in the FWC division. SGVWC's forecasted well projects, and Cal Advocates' recommended budget are listed in Table 6-1.

II. SUMMARY OF RECOMMENDATIONS

As summarized in Table 6-1, the Commission should: (1) allow the capital budget for the project to equip Well F7C, with adjustments to the Cost Adders and Escalation incorporated (for a total savings 2025-2028 of $0.09 million), (2) remove the capital budget to equip well F21C, consistent with the chapter on Previously Funded by Incomplete Projects (for a total savings 2025-2028 of $1.23 million), and (3) remove three well projects, at Plants F10, F18, and F34, from the capital budget (for a total savings 2025-2028 of $5.34 million) since the need for additional supply capacity is not adequately supported.

Table 6-1: Well Projects

Division	Plant Site	Project Description	SGVWC Budget 2025-2028 ($ M, Excluding Outside Contributions)[39]	Cal Advocates Recommended Budget 2025-2028 ($ M, Excluding Outside Contributions)	Key Reasons for Cal Advocates Revisions[40]
FWC	F7	Equip Well F7C	0.89	0.80	Adjust Cost Adders and Escalation
	F10	Drill and Equip Well F10E	4.65	0	Need for additional supply capacity not supported
	F18	Convert Inactive Well F18A to Injection Well	0.86	0	Need for additional supply capacity not supported
	F21	Equip Well F21C	1.23	0	Previously Funded but Incomplete Project, may be added to rate base once the project is used and useful
	F34	Rehab Well F34A	0.60	0	Need for additional supply capacity not supported
	TOTAL FWC:		**8.22**	**0.80**	

III. ANALYSIS

As previously discussed herein, the Commission must curb unnecessary capital costs and ensure that ratepayers do not have to fund unreasonable returns. The basis for recommended budget adjustments outlined in Table 6-1 is described below.

[39] SGVWC 2025 GRC Application, Exhibit SG-13, Attachment D - Errata Version 4-29-2025, Capital Budget 2025-2028.

[40] For additional discussion regarding Previously Funded by Incomplete Projects, Pre-Construction Projects, and Cost Adders and Escalation, see Chapters 1 through 3 of this report.

Equip Well F7C

No recommended changes to SGVWC's proposed project scope and budget, other than Cost Adder and Escalation adjustments. Equipping this well will help address a supply deficiency in SGVWC's Baseline zone.[41]

Drill and Equip Well F10E

Costs associated with this project should not be included in rate base. This well is in the Highland zone where additional supply capacity is not needed.[42] In its justification to replace Well F10C, SGVWC cites requirements in a settlement agreement related to the historical Fontana bankruptcy. Under the settlement agreement, because they each owned stock shares, SGVWC and Cucamonga Valley Water District (CVWD) are each eligible for a portion of the water rights that Fontana Union Water Company owned prior to bankruptcy.

SGVWC indicates that lowered pumping at Well F10C, due to column failure and other irreparable damage to the well, would trigger changes in the share of Fontana's capacity that goes to SGVWC and CVWD per the settlement agreement.[43] However, the actual language in the agreement indicates that if pumping is less than 1,000 gallons per minute, then a placeholder of 1,000 gallons per minute will be used for the purposes of calculating SGVWC and CVWD shares of supply.[44]

Based on data provided in SGVWC's Master Plans, pumping has historically been less than 1,000[45] and the well went inactive in 2023.[46] Regardless of the status of Well

[41] SGVWC 2025 GRC Application, SG-13, Attachment E, Table 8.1.

[42] SGVWC 2025 GRC Application, SG-13, Attachment E, Table 8.1.

[43] SGVWC 2025 GRC Application, SG-14, Attachment B, Plant F10 at 6 of 7; and SGVWC's Response to Cal Advocates' DR MTN-013, Response No. 1 (see Attachment 6).

[44] SGVWC's Response to Cal Advocates' DR MTN-013, Response No. 1 and Attachment 1 at 45 (see Attachment 6). Note that Well F10C replaced the Well No. 22 that is referred to in the settlement agreement.

[45] SGVWC 2025 GRC Application, Exhibit SG-13, Attachment E at 5-7.

[46] SGVWC 2025 GRC Application, Exhibit SG-13, Attachment E at 5-8.

F10C now, given the language from the settlement agreement cited above, the reduced pumping doesn't appear to actually change the analysis of Fontana's supply and the share that goes to SGVWC and CVWD according to the settlement agreement. Therefore, SGVWC's basis for replacing this well does not appear to be supported and the project should be removed from the capital budget.

Further complicating this issue, SGVWC already attempted to install the replacement well during the last GRC period, but due to a drilling failure, the replacement well at the original location was not and will not be completed. SGVWC plans to drill a completely new replacement well at another location.[47] SGVWC has incurred $2,639,643.47[48] to date on the failed drilling attempt. Given that SGVWC's basis for installing this new well misrepresents the settlement agreement, SGVWC should be precluded from recording and recovering these past incurred costs.

Convert Inactive Well F18A to Injection Well

Costs associated with this project should not be included in rate base. This well is in the Alder zone where the need for additional capacity is not well supported. In its Master Plan, SGVWC's analysis of supply capacity for this zone[49] shows a Supply Balance of -2,273; however, this does not account for the flow contributed by new Well F2A, which will provide 2,320 gallons per minute and turn the Supply Balance for the zone into a surplus. SGVWC's analysis also shows a Firm Supply Balance[50] of -4,313 gallons per minute for the Alder zone. SGVWC defines Firm Supply Capacity based on the "total treated supply capacity with the largest well out of service per pressure zone

[47] SGVWC 2025 GRC Application, SG-14, Attachment B, Plant F10 at 2 of 7.

[48] SGVWC has been accounting for these costs as part of Construction Work in Progress, as indicated in SGVWC's Response to Cal Advocates' DR MTN-003, Response No. 1 and Attachment A at Row 609 (see Attachment 7). Construction Work in Progress is addressed in Chapter 11, and the separate testimony of Mr. Andrew Rubang (Report on Construction Work In Progress and Balancing and Memorandum Accounts).

[49] SGVWC 2025 GRC Application, SG-13, Attachment E, Table 8.1.

[50] Per SGVWC 2025 GRC Application, SG-13, Attachment C, at ES-9.

group." After adding new Well F2A to the Alder zone, the supply capacity needed to meet demands, specifically in the case of an outage of the largest capacity well in the zone, would be 2,067 gallons per minute. In the case of such an outage, demands can be adequately addressed by: (1) 1,500 gallons per minute available from a CVWD Interconnection to the Alder Zone,[51] and (2) interzonal transfers from areas with excess capacity,[52] such as the Highland zone which has a supply surplus of at least 13,753 gallons per minute.[53]

As justification for additional supply capacity in this zone, SGVWC also cites an estimated 20% reduction of flow from wells where packer installation is proposed, to mitigate contamination in production water. Based on SGVWC's proposed packer installations at F24A, F26A, F31A, F44A, F44B, and F44C, a 20% reduction would cut production from these wells by a total of just under 1,500 gallons per minute. However, SGVWC specifically states that further evaluation is needed to understand the actual amount of the reduction in production as a result of packer placement.[54] Therefore, prior to increasing supply capacity in the zone, pumping should be monitored following packer installation, to better evaluate the actual impacts of packers on production. In the interim, any reduced production from these wells can be adequately addressed via the CVWD interconnect and interzonal transfers, as needed.

Equip Well F21C

This well will help address a supply deficiency in SGVWC's Juniper zone. No changes to the proposed project scope are recommended; however, the project will be removed from the capital budget for this GRC and should not be included in rate base

[51] SGVWC's Response to Cal Advocates' DR MTN-013, Response 3.d.ii and Attachment 3.d.ii.2 (see Attachment 6).

[52] SGVWC's Response to Cal Advocates' DR MTN-013, Response 3.c.ii (see Attachment 6).

[53] SGVWC 2025 GRC Application, SG-13, Attachment E, Table 8.1.

[54] SGVWC 2025 GRC Application, SG-13, Attachment E at 8-3.

until the project is used and useful because it is a Previously Funded but Incomplete Project.

Rejab Well F34A

Costs associated with this project should not be included in rate base. This well is in the Highland zone where additional capacity is not needed. SGVWC's own analysis of supply capacity for this zone shows a Supply Balance surplus of 13,753 gallons per minute, and a Firm Supply Balance surplus of 3,753 gallons per minute.[55]

IV. CONCLUSION

The Commission must curb unnecessary capital spending and thereby ensure that ratepayers do not have to fund unreasonable returns associated with capital solutions and costs that are not necessary and reasonable. To protect ratepayers, the Commission should: (1) allow the capital budget for the project to equip Well F7C, with adjustments to the Cost Adders and Escalation incorporated (for a total savings 2025-2028 of $0.09 million), (2) remove the capital budget to equip well F21C, consistent with the chapter on Previously Funded by Incomplete Projects (for a total savings 2025-2028 of $1.23 million), and (3) remove three well projects, at Plants F10, F18, and F34, from the capital budget (for a total savings 2025-2028 of $5.34 million) since the need for additional supply capacity is not adequately supported. This recommendation would prevent $7.42 million in unjustified costs in the FWC division, while ensuring necessary supply reliability.

[55] SGVWC 2025 GRC Application, SG-13, Attachment E, Table 8.1.

CHAPTER 7 TREATMENT PROJECTS

I. INTRODUCTION

SGVWC's proposed capital budget includes three ion exchange projects, retrofits to an existing air stripper, and improvements for new filtration and solids handling at the Summit Water Treatment Plant. SGVWC's forecasted treatment projects and Cal Advocates' recommended budget are listed in Table 7-1.

II. SUMMARY OF RECOMMENDATIONS

As summarized in Table 7-1, the Commission should: (1) allow ratepayer funding for (a) the PFAS Treatment Plant at Plant M12 and (b) the Filtration and Solids Handling Project at the Sumit Plant, with adjustments to the Cost Adders and Escalation incorporated (for a total savings 2025-2028 of $5.12 million); and (2) remove three treatment projects at Plants 1, 11, and B7 from the capital budget (for a total savings 2025-2028 of $15.7 million), because SGVWC's claimed supply capacity need is not adequately supported.

Table 7-1: Treatment Projects

Division	Plant Site	Project Description	SGVWC Budget 2025-2028 ($ M, Excluding Outside Contributions)[56]	Cal Advocates Recommended Budget 2025-2028 ($ M, Excluding Outside Contributions)	Key Reasons for Cal Advocates Revisions[57]
LA	1	Ion Exchange for PFAS	6.60	0	Need for additional supply capacity not supported
	11	Ion Exchange for PFAS	7.60	0	Need for additional supply capacity not supported
	M12	Ion Exchange for PFAS	4.10	3.19	Adjust Cost Adders and Escalation
	B7	Retrofit Existing Air Stripper	1.50	0	Need for additional supply capacity not supported
	TOTAL LA:		**19.80**	**3.19**	
FWC	Summit	Filtration and Solids Handling	12.10	7.89	Adjust Cost Adders and Escalation
	TOTAL FWC:		**12.10**	**7.89**	

III. ANALYSIS

As previously discussed herein, the Commission must curb unnecessary capital costs and ensure that ratepayers do not have to fund unreasonable returns. The basis for the recommended budget adjustments outlined in Table 7-1 is described below.[58]

[56] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

[57] For additional discussion regarding Cost Adders and Escalation, see Chapter 3 of this report.

[58] Throughout this chapter, use of Firm Supply Capacity is based on the term as defined in SGVWC's Master Plan: "the total treated supply capacity with the largest well out of service per pressure zone group." Per SGVWC 2025 GRC Application, SG-13, Attachment C, at ES-9.

Plant 1 PFAS Treatment

Costs associated with this project should not be included in rate base. These wells are in Zone 1 West where additional capacity is not needed, even when accounting for fire flow needs and wells that are out of service due to PFAS contamination. SGVWC's own analysis of supply capacity for this zone shows a Supply Balance surplus of 15,645 gallons per minute, and a Firm Supply Balance surplus of 11,899 gallons per minute.[59]

Plant 11 PFAS Treatment

Costs associated with this project should not be included in rate base. These wells are in Zone 1 West where additional capacity is not needed, even when accounting for fire flow needs and wells that are out of service due to PFAS contamination. SGVWC's own analysis of supply capacity for this zone shows a Supply Balance surplus of 15,645 gallons per minute, and a Firm Supply Balance surplus of 11,899 gallons per minute.[60]

Plant M12 PFAS Treatment

There are no active groundwater sources in the area, and SGVWC currently purchases water to provide supply to the area. The proposed project would allow SGVWC to reactivate Well M11A and provide groundwater to the area, with purchase water becoming the backup source.[61] No recommended changes to the proposed project, scope and budget, other than Cost Adder and Escalation adjustments.

[59] SGVWC 2025 GRC Application, SG-13, Attachment C, Table 8.1.

[60] SGVWC 2025 GRC Application, SG-13, Attachment C, Table 8.1.

[61] SGVWC 2025 GRC Application, SG-13 at 8-3.

Plant B7 Retrofit Existing Air Stripper

Costs associated with this project should not be included in rate base. The proposed retrofits at Plant B7 would allow treatment of volatile organic compound impacted water from Plant B24. The facilities are in Zone 1 East where additional capacity is not needed. SGVWC's own analysis of supply capacity for this zone shows a Supply Balance surplus of 8,451 gallons per minute, and a Firm Supply Balance surplus of 5,423 gallons per minute.[62]

Summit Plant Filtration and Solids Handling

No recommended changes to the proposed project scope and budget, other than Cost Adder and Escalation adjustments.

A. PFAS Grants and Settlement Funds

In the context of discussing SGVWC's proposed treatment projects, it is also worth noting that in addition to $3.025 million in grants that SGVWC anticipates receiving specifically for the Plant 1 and Plant 11 PFAS Treatment Projects, SGVWC expects to receive PFAS settlement funds to address impacts in its service areas. SGVWC is participating in the Public Water System Settlements with the potential to receive funds from four different settling defendants: 3M, Dupont, Tyco, and BASF.[63] SGVWC estimates total settlement funds as follows: $0.64 million for the Montebello area, $28.22 million for the rest of the LA division, and $2.10 million for the FWC division, with the bulk of the funds, approximately $21.6 million, expected to be received by the end of 2025.[64]

Cal Advocates acknowledges that this is a significant influx of funds and that SGVWC will need to spend the funds consistent with the requirements of pending grant

[62] SGVWC 2025 GRC Application, SG-13, Attachment C, Table 8.1.

[63] https://www.pfaswatersettlement.com

[64] SGVWC's Response to Cal Advocates' DR MTN-013, Response No. 2 (see Attachment 6).

agreements, the Public Water System Settlement Agreements, Commission requirements such as those outlined in D.10-12-058[65], and other obligations.

To protect rate payers, the Commission should direct SGVWC to prioritize grant and settlement funds, to the extent possible in light of legal obligations, toward costs that provide the greatest benefit to ratepayers. For example, either: the construction of PFAS treatment projects that are necessary to address existing supply deficiencies, or the necessary operation and maintenance of existing PFAS treatment facilities.

IV. CONCLUSION

To protect ratepayers, the Commission should: (1) allow ratepayer funding of (a) the PFAS Treatment Plant at Plant M12 and (b) the Filtration and Solids Handling Project at the Sumit Plant, with adjustments to the Cost Adders and Escalation incorporated (for a total savings 2025-2028 of $5.12 million); and (2) remove three treatment projects at Plants 1, 11, and B7 from the capital budget (for a total savings 2025-2028 of $15.7 million), because the supply capacity need is not adequately supported. This recommendation would prevent $20.82 million in unjustified costs ($16.61 million LA division, and $4.21 million FWC division) while ensuring necessary supply reliability.

The Commission should also direct SGVWC to prioritize grant and settlement funds, to the extent possible in light of legal obligations, toward costs that provide the greatest benefit to ratepayers. For example, either: the construction of PFAS treatment projects that are necessary to address existing supply deficiencies, or the necessary operation and maintenance of existing PFAS treatment facilities.

[65] D.10-12-058, *Decision Modifying and Adopting Various Rules for the Accounting Treatment of Contamination Proceeds.*

CHAPTER 8 RESERVOIRS

I. INTRODUCTION

SGVWC's proposed capital budget includes reservoir projects at three plant sites in the LA division, and five in the FWC division.[66] SGVWC's forecasted reservoir projects and Cal Advocates' recommended budget are listed in Table 8-1.

II. SUMMARY OF RECOMMENDATIONS

As outlined in Table 8-1, the Commission should make the following adjustments associated with SGVWC's reservoir projects: (1) allow three reservoir projects, at Plants B14, F13, and F15, with adjustments to the Cost Adders and Escalation incorporated (for a total savings 2025-2028 of $3.21 million), (2) remove five projects from SGVWC's capital budget, at Plants 7, B15, F10, F20, and F59, consistent with arguments already presented in this testimony on Previously Funded Incomplete Projects and Pre-Construction Projects (for a total savings 2025-2028 of $26.21 million). This recommendation would prevent $29.42 million in unjustified costs ($10.92 million LA division, and $18.5 million FWC division) while ensuring necessary storage reliability.

[66] There is a ninth reservoir project that is solely funded by outside contributions. The project is listed in Table 8-1 for completeness, but no specific recommendations regarding the project cost or justification are provided herein.

Table 8-1: Reservoir Projects

Division	Plant Site	Project Description	SGVWC Budget 2025-2028 ($ M, Excluding Outside Contributions)[67]	Cal Advocates Recommended Budget 2025-2028 ($ M, Excluding Outside Contributions)	Key Reasons for Cal Advocates Revisions[68]
LA	7	Reservoir South	5.46	0	Previously Funded Incomplete Projects
	B14	Reservoir West	4.30	3.19	Adjust Cost Adders and Escalation
	B15	Reservoir West	4.36	0	Previously Funded Incomplete Projects
	LA TOTAL:		**14.11**	**3.19**	
FWC	F7	Reservoir West	0, Only Outside Contributions	0, Only Outside Contributions	No Recommendations Provided
	F10	Site Prep, No Reservoir Construction	6.40	0	Pre-Construction Projects
	F13	Reservoir East	5.35	4.48	Adjust Cost Adders and Escalation
	F15	Reservoir West	4.70	3.47	Adjust Cost Adders and Escalation
	F20	Reservoir North	8.05	0	Previously Funded Incomplete Projects
	F59	Site Prep, No Reservoir Construction	1.95	0	Pre-Construction Projects
	FWC TOTAL:		**26.45**	**7.95**	

III. ANALYSIS

As indicated in Table 9-1, the Commission should remove the proposed reservoir projects at Plants 7, B15, F10, F20, and F59 from the capital budget for this GRC,

[67] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

[68] For additional discussion regarding Previously Funded by Incomplete Projects, Pre-Construction Projects, and Cost Adders and Escalation, see Chapters 1 through 3 of this report.

consistent with arguments already presented in Chapters 1 and 2 on Previously Funded Incomplete Projects and Pre-Construction Projects. On the other hand, the proposed projects at Plants B14, F13, and F15 should remain in the capital budget for this GRC with the adjustments related to Cost Adders and Escalation incorporated, because they provide necessary additional storage capacity in areas with a storage capacity deficit.[69]

IV. CONCLUSION

To protect ratepayers, the Commission should authorize reduced capital budgets for reservoir projects to: (1) allow three reservoir projects, at Plants B14, F13, and F15, with adjustment to the Cost Adders and Escalation incorporated (for a total savings 2025-2028 of $3.21 million), (2) remove five projects from SGVWC's capital budget, at Plants 7, B15, F10, F20, and F59, consistent with arguments already presented in this testimony on Previously Funded Incomplete Projects and Pre-Construction Projects (for a total savings 2025-2028 of $26.21 million). This recommendation would prevent $29.42 million in unjustified costs ($10.92 million LA division, and $18.5 million FWC division) while ensuring necessary storage reliability. These capital budget adjustments are necessary to ensure that ratepayers: do not pay a second time for shareholder profit on projects that have yet to produce benefits, do not fund profit on investments that do not provide a service or benefit, and only fund a return on reasonable, justified, and adequately supported costs.

[69] SGVWC 2025 GRC Application, SG-13, Attachments C (LA division) and E (FWC division), Table 8.3.

CHAPTER 9 VEHICLES

I. INTRODUCTION

SGVWC's proposed capital budget includes vehicle replacement forecasts for General Office Division (General Office), LA division, and FWC division.[70] Cal Advocates' recommendations regarding the capital budget for General Office are in the separate testimony of Mr. Sarkar (Report on General Office Operations, Taxes, and Special Request #4); however, because the vehicle budgets for the three divisions are approached comprehensively, Cal Advocates' recommendations regarding the vehicle budget are discussed here on a holistic basis, including all three divisions. SGVWC's proposed vehicle budgets include two significant changes compared to SGVWC's proposed approach in the last GRC: (1) stepwise increases to the vehicle replacement mileage thresholds over the GRC period (2025-2028), and (2) the purchase of significantly more Zero Emission Vehicles (ZEV or EV).[71]

II. SUMMARY OF RECOMMENDATIONS

The Commission should reduce SGVWC's vehicle replacement budget by over 32% (by $3.1 million total for 2025-2028 across all three divisions), as outlined in Table 9-1. The following elements of SGVWC's projections are unreasonable, inflated, and not adequately supported: inappropriately revised mileage thresholds, excessive purchases of Zero Emission Vehicles (ZEVs or EVs), unnecessary vehicle upgrades for executive staff, unnecessary vehicle purchases for proposed new staff, and excessive escalation rates.

[70] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments A, B, and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

[71] SGVWC 2025 GRC Application, SG-6, Attachment U.

Table 9-1: Vehicles

Division	SGVWC Budget 2025-2028 ($ M, Excluding Outside Contributions)	Cal Advocates Recommended Budget 2025-2028 ($ M, Excluding Outside Contributions)	Difference ($ M)
General Office	1.825	0.168	0.757
LA	4.445	3.059	1.386
FWC	3.252	2.579	0.946
TOTAL	**9.795**	**6.706**	**3.089**

III. ANALYSIS

The Commission has a responsibility to ensure that unnecessary capital forecasts are not included in rates. This helps ensure that ratepayers do not have to fund unreasonably high returns associated with capital costs that are not necessary and reasonable.[72] The basis for the adjustments recommended in Table 9.1 is described below.

Inappropriately Revised Mileage Thresholds

Prior to the GRC, SGVWC has been replacing its fleet vehicles based on the 2008 California Department of General Services (DGS) criteria for vehicle replacement. In this GRC, as shown in Table 9-2, SGVWC proposes to revise its current vehicle replacement thresholds in a stepwise fashion from those in the 2008 DGS Fleet Handbook, to those in the 2022 DGS Fleet Handbook.[73]

[72] As described in Chapter 3, in D.96-12-066 at 5., the Commission states, "in a normal general rate case, the utility must demonstrate the reasonableness of every dollar in its revenue requirement."

[73] SGVWC 2025 GRC Application, SG-6, Attachment U at 1, which was revised and replaced by SGVWC's Response to Cal Advocates' DR MTN-007, Response No. 1.d and Attachment E (see Attachment 8); and SGVWC 2025 GRC Application, SG-13, Attachment A which contains copies of the 2008 and 2022 Fleet Handbooks.

Table 9-2: Summary of Vehicles Replacement Thresholds

Year	DGS Vehicle Replacement Threshold - 2008 Fleet Handbook (1,000 miles) for Light Duty/Heavy Duty	DGS Vehicle Replacement Threshold - 2022 Fleet Handbook (1,000 miles) for Light Duty/Heavy Duty	SGVWC Proposed Vehicle Replacement Threshold (1,000 miles) for Light Duty/Heavy Duty
2026	150/120	130/100	145/115
2026			140/110
2027			135/105
2028			130/100

In 2016, DGS retained the services of Mercury Associates, Inc. to perform an analysis of the State of California's fleet and develop vehicle replacement criteria that would minimize the lifecycle cost associated with vehicle ownership.[74] Whereas previous DGS replacement criteria were relatively broad and general, the revised criteria included in DGS' 2022 Fleet Handbook were specific to the State of California's fleet which supports specific types of vehicle usage in varied geographies across the state,[75] and therefore, should not be generically applied to other types of fleets. SGVWC has not provided its own utility-specific study on vehicle replacement, so vehicle replacement mileage thresholds should be adjusted to remain consistent with the more generally applicable mileage thresholds included in DGS' 2008 Fleet Handbook that were applied in the last GRC.[76] This adjustment pushes 15 of SGVWC's proposed vehicle replacements from this GRC to beyond 2028 (reduction of $1.738 million).

Excessive Purchases of Zero Emission Vehicles

SGVWC also overestimates the number of vehicles it will need to upgrade to ZEVs compared to what is actually necessary for compliance with California Air

[74] https://www.dgs.ca.gov/Resources/SAM/TOC/4100/4126, accessed June 10, 2025.

[75] *Report on a Vehicle Replacement Methodology for the California Department of General Services*, May 30, 2016, by Mercury Associates, Inc.

[76] SGVWC 2022 GRC Application, A.22-01-003, SG-8 at 109.

Resources Board (CARB) requirements. SGVWC budgeted for a total of 13 new ZEVs; however, SGVWC has six ZEVs in operation as of 2024, and for compliance with CARB requirements SGVWC will only need to add one additional ZEV by the end of 2028.[77] Vehicle costs for 12 planned ZEV replacements were adjusted down based on replacement with lower-cost Internal Combustion Engine alternatives. This adjustment results in a $200,000 budget reduction for 2025-2028.

Unnecessary Vehicle Upgrades for Executive Staff

SGVWC's budget includes higher cost vehicles (ranging from $85,000 to $98,000) for its executive staff, without any justification. Vehicle costs for these replacements were adjusted down to a typical passenger vehicle or truck (ranging from $60,000 to $66,000). This adjustment results in a $382,000 budget reduction.

Unnecessary Vehicle Purchases for Proposed New Staff

SGVWC also proposes adding four new vehicles ($252,000) to its fleet in 2026, for new staff proposed by SGVWC as part of this GRC, 2 Supervisory Control and Data Acquisition Technicians and 2 Electricians. Consistent with Cal Advocates' recommendation to exclude the costs of those new positions from SGVWC's proposed revenue requirements, which is discussed further in the separate testimony of Mr. Timothy Gee (Report on SCADA, New Position, Customer Service, Water Quality, Special Request #1, and ESJ Action Plan), these new vehicles should be excluded from the adjusted vehicle budget.

[77] SGVWC 2025 GRC Application, SG-6, Attachment U at 1, which was revised and replaced by SGVWC's Response to Cal Advocates' DR MTN-007, Response No. 1.d and Attachment E (see Attachment 8); and SGVWC's Response to Cal Advocates' DR MTN-007, Response Nos. 1.c.ii and 1.c.iii, and Attachment D, Figure 2-2 (see Attachment 8), which indicates a total of 7 ZEVs are required through the end of 2028.

Excessive Escalation Rates

SGVWC's projected vehicle costs were also revised to reflect a 3% escalation factor, consistent with the recommendations in the previous Chapter 3 on Cost Adders and Escalation.

Correcting Calculation Errors

Finally, there were some errors in SGVWC's calculations that inaccurately increased some of its annual vehicle costs. These errors were corrected in SGVWC's corrected Attachment U to SG-6,[78] but the annual budget amounts were not adjusted in SGVWC's revised capital budgets when SGVWC's filed its April errata.[79] Therefore, correction of those calculation errors also contributes to the overall difference between the SGVWC capital budget, and the Cal Advocates recommended budget in Table 9-1 which reflects the necessary corrections.

IV. CONCLUSION

The Commission must curb unnecessary capital spending and thereby ensure that ratepayers do not have to fund unreasonable returns associated with capital costs that are unnecessary and unreasonable. To protect ratepayers, the Commission should approve Cal Advocates' recommended vehicle budget with adjustments to: remove 15 vehicle replacements for a $1.738 million reduction, based on the mileage thresholds for the 2008 DGS Fleet Handbook; remove 12 ZEVS for a $200,000 reduction, to meet CARB's minimum requirements; reduce vehicle costs for 14 unnecessary vehicle upgrades for SGVWC's executive staff, for a reduction of $382,000; remove four vehicles for proposed new staff, for a $252,000 reduction; apply a 3% escalation rate; and resolve calculation errors in SGVWC's backup documents.

[78] SGVWC's Response to Cal Advocates' DR MTN-007, Response No. 1.d and Attachment E (see Attachment 8).

[79] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

CHAPTER 10 STRUCTURES AND IMPROVEMENTS

I. INTRODUCTION

SGVWC's capital budget includes multiple capital projects in the Structures and Improvements budget category.[80] This chapter is focused on specific line items that are not adequately supported. For these specific items, SGVWC's forecasted budget and Cal Advocates' recommended budget are listed in Table 10-1.

II. SUMMARY OF RECOMMENDATIONS

As summarized in Table 10-1, the Commission should: (1) allow the capital budget for the FWC Air Conditioning System, with adjustments to reflect the lower cost package unit approach instead of the proposed more expensive chiller option (revised cost of $1.343 million, savings of $0.757 million), and (2) remove five projects, (a) New LA Office Building ($9.625 million), (b) LA Pavement Replacement ($2.0 million), (c) Solar at the New LA Office Building ($3.5 million), and (d) ZEV Charging for LA division ($0.617) and (e) ZEV Charging for FWC division ($0.1 million), from SGVWC's capital budget, since the costs are not adequately supported. This recommendation would prevent $16.6 million in unjustified costs ($15.742 million LA division, and $0.857 million FWC division) while ensuring necessary storage reliability.

[80] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

Table 10-1: Structures and Improvements[81]

Division	Project Description	SGVWC Budget 2025-2028 ($ M, Excluding Outside Contributions)[82]	Cal Advocates Recommended Budget 2025-2028 ($ M, Excluding Outside Contributions)	Key Reasons for Cal Advocates Revisions
LA	Portion of New Office Building	9.625	0	Costs Not Adequately Supported
	Pavement Replacement at Various Sites	2.0	0	Costs Not Adequately Supported
	Solar Project at New Building Site	3.5	0	Costs Not Adequately Supported
	ZEV Charging Stations	0.617	0	Costs Not Adequately Supported
	LA TOTAL:	**15.742**	**0**	
FWC	ZEV Charging Stations	0.1	0	Costs Not Adequately Supported
	Headquarters Building Air Conditioning System Upgrades	2.1	1.343	Higher Cost Chiller System Not Adequately Supported
	FWC TOTAL:	**2.2**	**1.343**	

III. ANALYSIS

The justifications for recommended budget adjustments in Table 10-1 are provided below.

[81] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

[82] SGVWC 2025 GRC Application, Exhibit SG-13, Attachments B and D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

Portion of New Office Building, LA Division

SGVWC proposes a total of $9.625 million (2025-2028) in the LA division budget for design and construction of the proposed new office building. This represents 25% of the total budget for the new building, the majority of which is budgeted for General Office. This portion of the total cost of the new building was allocated solely to the LA division since a portion of the new building will be dedicated to a new commercial office for the LA division. These costs should be removed from SGVWC's proposed budget for the LA division, consistent with Cal Advocates' recommendations to exclude the cost of the proposed new building from SGVWC's proposed budget and revenue requirements, which is discussed in the separate testimony of Mr. Zaved Sarkar (Report on General Office Operations, Taxes, and Special Request #4).

Pavement Replacement at Various Sites, LA Division

SGVWC proposes $2 million (2025-2028) to fund repaving work at various LA division plant sites with allegedly deteriorating paving. SGVWC's testimony vaguely states there is a threat of erosion near critical infrastructure such as booster stations, reservoirs, chlorination facilities and mater vaults; however, SGVWC provided no documentation of the damaged pavement, such as site photos, no information regarding the age or specific condition of the pavement at each site, nor specifics regarding which critical infrastructure is at risk. In fact, SGVWC's testimony did not even identify the specific sites where paving work would occur.[83] During discovery, Cal Advocates requested supporting documentation regarding how the scope and costs of this proposed budget item were determined. In its response, SGVWC identified thirteen sites where the paving work is proposed.[84] For each of the sites, SGVWC indicated the proposed square footage of new paving and the total cost per site based on a unit cost of $10 per square

[83] SGVWC 2025 GRC Application, Exhibit SG-6 at 21 and Exhibit SG-13 - Errata Version 4-29-2025 at 88.

[84] SGVWC's Response to Cal Advocates' DR MTN-011, Response No. 1 and Attachment Facility Paving (see Attachment 9).

foot. SGVWC also identified one of three reasons for the work at each site: (1) Excessive Cracking/Exceeded Lifespan, (2) Site Improvement, or (3) Dust and Erosion Control. SGVWC provided no additional support regarding the scope of and need for proposed paving work at these sites, for example site visit summaries documenting the existing condition of the pavement and any associated risks to nearby infrastructure, photo documentation, etc. Therefore, the Commission should remove this item from the capital budget due to inadequate justification of the need.

Solar Project at New Building Site, LA Division

SGVWC proposes $3.5 million (2025-2028) to design and install solar on the rooftop of the proposed new building and nearby carports.[85] SGVWC did not provide adequate justification and explanation of the benefits associated with the project. The project as proposed is also extremely dependent on the completion of the proposed office building project, which, as discussed above, Cal Advocates does not currently support as outlined in the GRC application. Therefore, consistent with the building costs, the proposed solar project should be removed from the capital budget for this GRC. The viability, necessity, and reasonableness of this project would be more appropriately considered together with any future office building projects that SGVWC may propose.

ZEV Charging Stations, Both Divisions

SGVWC's proposes ZEV charging stations for both Divisions, including: $0.617 million to add 10 Level 2 chargers and one Level 3 charger at the proposed new building site for the LA division,[86] and $0.1 million for chargers in the FWC division.[87] SGVWC has 11 existing Level 2 chargers in LA division, and 4 existing Level 2 chargers in FWC

[85] SGVWC 2025 GRC Application, Exhibit SG-13 - Errata Version 4-29-2025 at 85.

[86] SGVWC 2025 GRC Application, Exhibit SG-13 - Errata Version 4-29-2025 at 90.

[87] SGVWC 2025 GRC Application, Exhibit SG-13, Attachment D - Errata Version 4-29-2025, Capital Budgets 2025-2028.

division.[88] Similar to the solar project, the charging station work for the LA division should be considered in tandem with the new building project, since they are closely interrelated. In addition, recommendations in Chapter 9 would significantly reduce the number of new ZEV purchases for both divisions, and at this time, the staff with existing ZEVs are mostly executive level staff. Therefore, there does not appear to be a need for the significantly more expensive proposed Level 3 charging, which is faster and generally most useful for vehicles that are utilized frequently during the workday, primarily by staff working in the field. Given all of the above, although ZEV charging station improvements may be appropriate as part of the larger building project at a future date or if state requirements for ZEVs ramp up in the future, a significant uptick in ZEV charging station installations is not necessary during this GRC period. Therefore, the Commission should remove these costs from SGVWC's capital budget.

Headquarters Building Air Conditioning System Upgrades, FWC Division

SGVWC's proposes $2.1 million to purchase and install a new air conditioning system for the Fontana Headquarters Building.[89] In SGVWC's memo regarding this project, two main project alternatives are presented: (1) a chiller system or (2) a Heating, Ventilation, and Air Conditioning (HVAC) package unit; and SGVWC selects the more expensive chiller system citing superior efficiency and longer lifespan.[90] However, SGVWC's memo does not quantify these benefits nor present a clear argument for selecting the chiller system. In fact, there are many benefits to the HVAC package unit option, including: lower upfront costs, compact systems requiring less space, simplified installation with shorter project timelines, and adaptable systems that can easily accommodate future expansions, etc.[91] Given the inadequate justification for installing the more expensive chiller system, the Commission should adjust SGVWC's capital

[88] SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 8 (see Attachment 2).

[89] SGVWC 2025 GRC Application, Exhibit SG-6 - Errata Version 4-29-2025 at 23.

[90] SGVWC 2025 GRC Application, Exhibit SG-6 - Errata Version 4-29-2025, Attachment J.

[91] SGVWC 2025 GRC Application, Exhibit SG-6 - Errata Version 4-29-2025, Attachment J at 4 and 5.

budget down to $1.343 million, which reflects the lower cost of the HVAC package unit, a savings of $756,579.[92]

IV. CONCLUSION

The Commission must curb unnecessary capital spending and thereby ensure that ratepayers do not have to fund unreasonable returns associated with capital solutions and costs that are not necessary and reasonable. To protect ratepayers, the Commission should: (1) allow the capital budget for the FWC Air Conditioning System, with adjustments to reflect the lower cost package unit approach instead of the proposed more expensive chiller option (revised cost of $1.343 million, savings of $0.757 million), and (2) remove five projects, (a) New LA Office Building ($9.625 million), (b) LA Pavement Replacement ($2.0 million), (c) Solar at the New LA Office Building ($3.5 million), and (d) ZEV Charging for LA division ($0.617) and (e) ZEV Charging for FWC division ($0.1 million), from SGVWC's capital budget, since the costs are not adequately supported. This recommendation would prevent $16.599 million in unjustified costs across both divisions.

[92] SGVWC 2025 GRC Application, Exhibit SG-6 - Errata Version 4-29-2025, Attachment J at 4.

CHAPTER 11 INTEREST DURING CONSTRUCTION

I. INTRODUCTION

SGVWC has proposed including Construction Work in Progress (CWIP) in rate base; however, Interest During Construction (IDC) should be adopted as a more reasonable alternative benefitting ratepayers. IDC will enable SGVWC to recoup reasonable costs associated with the construction phase, such as costs associated with short-term financing, without earning a profit on costs until the newly constructed capital projects are completed and become used and useful. This chapter focuses on Cal Advocates' recommendations and methodology for projecting SGVWC's IDC costs. See separate testimony of Mr. Andrew Rubang (Report on Construction Work In Progress and Balancing and Memorandum Accounts) for more on Cal Advocates' recommendations around CWIP.

II. SUMMARY OF RECOMMENDATIONS

The Commission states, "in a normal general rate case, the utility must demonstrate the reasonableness of every dollar in its revenue requirement."[93] CWIP projects are not used and useful and therefore it is unreasonable for utilities to earn a profit on these costs. In lieu of CWIP, utilities should budget for IDC because IDC better reflects the actual cost of short-term financing that utilities may utilize during project construction, without providing a return on assets that are not used and useful. Cal Advocates is proposing that in lieu of CWIP ($36,657,300), SGVWC receive a budget for IDC ($734,176).[94]

III. ANALYSIS

During discovery, SGVWC provided information indicating that it funded most of its capital projects with internally generated funds, rather than short-term financing. SGVWC only incurred short-term financing costs on less than a quarter of all its capital

[93] D.96-12-066 at 5.

[94] This includes the IDC amount for General Office, LA division, and FWC division.

projects completed during 2021-2024, and in many cases only a portion of the total costs incurred were financed.[95] Based on SGVWC's actual short-term financing costs incurred during 2021-2024 ($777,494) compared to the total costs of capital projects completed in that period ($222.044 million), SGVWC incurs costs associated with short-term financing at an effective rate of 0.35% of the total capital costs.[96] To calculate IDC for this GRC, this same rate of 0.35% was applied to total capital projections for this GRC period (2025-2028) to determine the appropriate amount of IDC to include in forecasted utility plant and revenue requirements for each division and customer rates. Total additions from IDC (2025-2028) are estimated at $25,502 for General Office, $286,787 for LA division, and $421,887 for FWC division.

Cal Advocates recognizes that its proposed 0.35% IDC rate is significantly lower than actual short-term interest rates.[97] SGVWC may argue that a higher rate should be applied to calculate IDC; however, if a higher rate is applied then it must only be applied to a portion of the total capital costs, consistent with SGVWC's actual use of short-term financing. When calculating IDC based on the total capital budget, the recommended 0.35% IDC rate is the appropriate rate based on SGVWC's actual past use of short-term financing and the associated costs.

IV. CONCLUSION

CWIP projects are not used and useful and therefore it is unreasonable for utilities to earn a profit on these costs. In lieu of CWIP, utilities should budget for IDC which better reflects the actual cost of short-term financing without providing an unreasonable return on assets that are not used and useful. IDC costs should be forecasted at 0.35% of the capital budget, which is consistent with SGVWC's actual short-term financing costs

[95] Based on SGVWC's Response to Cal Advocates' DR MTN-008, Response No. 1, and Attachment A (see Attachment 10).

[96] SGVWC's Response to Cal Advocates' DR MTN-008, Response 1 and Attachment A (see Attachment 10).

[97] Per SGVWC's Response to Cal Advocates' DR MTN-008, Response No. 1 and Attachment A (see Attachment 10), during the last GRC period (2021-2024), short-term financing utilized by SGVWC was at an interest rate of 7.0415%.

on completed projects.[98] Total additions to Utility Plant, from IDC, calculated by applying the 0.35% IDC rate to SGVWC's 2025-2028 capital projections, are estimated at $25,502 for General Office, $286,787 for LA division, and $421,887 for FWC division.

[98] Based on SGVWC's Response to Cal Advocates' DR MTN-008, Response No. 1, and Attachment A (see Attachment 10).

CHAPTER 12 HISTORIC RATE BASE

I. INTRODUCTION

Cal Advocates reviewed plant-in-service to evaluate whether assets included in customer rates are used and useful and cost effective. Four assets, three in LA division and one in FWC division, were identified that are no longer operated but proposed by SGVWC to remain in customer rates. In addition, two 2023 water rights purchases were flagged because they are not cost effective to ratepayers. Ratepayers should not fund a shareholder return on assets that are not used and useful or not cost effective.

II. SUMMARY OF RECOMMENDATIONS

The Commission should remove from utility plant amounts the NBV of the four out-of-operation assets described in Table 12-1. For these assets, Cal Advocates recommends subtracting the NBV, as of the end of 2024, from the projected utility plant amounts for 2025 ($1,423,125 LA division, and $43,129 FWC division). For the two 2023 LA division water rights purchases, the Commission should deduct the purchase price total ($6.419 million, which includes $176,855 for 8.36 acre-feet purchased from Susan Andrade, and $6,242,709 for 228 acre-feet purchased from William Knight Trust) from the recorded utility plant amount from 2023.

Table 12-1: Assets in Service, but Not in Operation[99]

Division	Asset Number	Asset Name	NBV, as of the end of 2024 ($)	Reason(s) Not in Operation
LA	7880L-1	Well B24C	758,384	Originally installed 2014 but never permitted and operated. SGVWC is proposing to add treatment at Plant B7 and bring this well online, but per recommendations in the chapter on Treatment Projects, the supply capacity is not needed in Zone 1 East
	7661L-5	Well 1F	536,233	Originally installed 2017 but never permitted and operated. SGVWC is proposing to add treatment at Plant 1 and bring this well online, but per recommendations in the chapter on Treatment Projects, the supply capacity is not needed in Zone 1 West
	6575L-2	Plant B4 air stripper	128,508	Installed in 2008 and only operated for 10 years. No longer in service because Wells B4B and B4C are no longer active.
	LA TOTAL:		**1,423,125**	
FWC	4250F-9	Plant F10 backwash tank	43,129	Installed in 2000 and only operated for 3 years. Under existing operations at Plant F10, flow bypasses the backwash tank and flows directly to the onsite percolation basin.
	FWC TOTAL:		**43,129**	

III. ANALYSIS

Justifications related to the recommended budget adjustments for the non-operational assets identified in Table 12-1 and the two 2023 water rights purchases are provided below.

Non-Operational Assets

Ratepayers should not be responsible to pay for projects that have been constructed, but from which they derive no benefit. Therefore, a rate base adjustment is necessary to ensure that ratepayers pay only for assets from which they derive a direct benefit. As further described in Table 12-1, these projects are not currently in use or

[99] SGVWC's Response to Cal Advocates' DR MTN-005, Response No. 3 and Attachment 3 (see Attachment 1).

providing a direct benefit to ratepayers; therefore, Cal Advocates recommends that the current NBV be deducted from utility plant, and therefore SGVWC's rate base. The total resulting adjustments are as follows: $1,423,125 for LA division, and $43,129 for FWC division.

Water Rights Purchases

Also of concern are recent SGVWC purchases of two water rights in 2023, that were not part of the Commission's authorized budget adopted from the last GRC: (1) $176,855 for 8.36 acre-feet from Susan Andrade, and (2) $6,242,709 for 228 acre-feet from William Knight Trust.[100] The total cost for these water rights purchases was $6.419 million. Given this purchase occurred during the last GRC period, this cost is reflected as part of the recorded utility plant additions for 2023, which is now part of the recorded rate base.

SGVWC provides a justification for the purchases based on the lower cost of pumping from these newly purchased sources as compared to other more expensive replacement water sources.[101] In practice, when the groundwater source capacity that SGVWC owns and leases is not adequate, SGVWC pumps more expensive cyclic storage water.[102] However, the replacement water cost SGVWC included in the payback period analysis for these two water rights purchases is based on the replacement water assessment rate that is significantly higher than the cyclic storage rate.[103] SGVWC also includes the $210 assessment that is charged when an acre-foot of water is actually pumped. This is not appropriate in the analysis, since the $201 assessment amount is charged on all types of groundwater SGVWC produces, including both water that

[100] SGVWC 2025 GRC Application, Exhibit SG-8, at 3 and Attachment A.

[101] SGVWC 2025 GRC Application, Exhibit SG-8, at 3 and Attachment A.

[102] SGVWC's Response to Cal Advocates' DR MTN-004, Response No. 4 and Attachment A (see Attachment 11).

[103] SGVWC's Response to Cal Advocates' DR MTN-004, Response No. 4 and Attachment A (see Attachment 11), and SGVWC's Response to Cal Advocates' DR MTN-010, Response No. 1 (see Attachment 12).

SGVWC owns rights for and cyclic storage;[104] therefore, this $201 assessment amount is not an actual savings associated with pumping from the new water rights compared to other sources.

To summarize, SGVWC regularly utilizes cyclic storage water to meet its needs, indicating that additional capacity through the purchase of water rights could be utilized. However, the cost of the additional source capacity provided through these new water rights is only justified if the cost to purchase and pump from the new water rights will result in a savings compared to the cost of cyclic storage, which is the most expensive water SGVWC actually uses.

SGVWC's payback analysis essentially compares the annual cost of avoided replacement water, which is assumed to go up over time, to the fixed annual cost to rate payers of the water rights purchase, which consists of the return on the purchase price and the cost of income taxes. At some point in the future, as the cost of replacement water increases, the annual costs of replacement water will meet and then overcome the annual cost associated with the water rights purchase. A rate payer benefit is not achieved until that breakeven point. Accordingly, higher replacement water costs, and higher forecasted annual increases in the replacement water costs, will mean that the rate payer benefit point occurs sooner. SGVWC's payback analysis shows that the water right purchases achieve a benefit for ratepayers at 14 and 20 years, for the Andrade and Knight purchases respectively.

Based on Cal Advocates' updated analysis, which includes the appropriate unit cost and rate of increase for cyclic storage in lieu of more expensive replacement water sources utilized in SGVWC's analysis that are not consistent with SGVWC's actual water use, the rate payer will realize a net benefit after about 26 and 33 years, for the Andrade and Knight purchases respectively. Table 12-2 provides a comparison of

[104] SGVWC's Response to Cal Advocates' DR MTN-004, Response No. 4 and Attachment A (see Attachment 11) and SGVWC's Response to Cal Advocates' DR MTN-014, Response Nos. 3 and 4 (see Attachment 2).

replacement water unit costs utilized in SGVWC's analysis compared to those utilized in Cal Advocates updated analysis.

Table 12-2: Replacement Water Unit Costs Used in Payback Analysis

Fiscal Year	SGVWC Replacement Water Cost ($/acre-foot)[105]	Cal Advocates Recommended Replacement Water Cost ($/acre-foot)[106]	Difference ($/acre-foot)
2023-2024	1,103	880	223
2024-2025	1,145	880	265
2025-2026	1,196	902	294
2026-2027	1,313	902	411
2027-2028	1,464	959	505
2028-2029	1,585	1,015	570
2029-2030	1,664	1,054	610
2030-2031	1,739	1,094	645
2031-2032	1,808	1,135	673
2032-2033	1,881	1,178	703
Ongoing Annual Increase Thereafter:	**4.0%**	**3.8%**	

[105] SGVWC 2025 GRC Application, Exhibit SG-8, at 3 and Attachment A.

[106] Unit cost for 2023-2024 is based on the actual cost of pre-purchased cyclic water used at that time, based on data provided in SGVWC's Response to Cal Advocates' DR MTN-004, Response No. 4 and Attachment A (see Attachment 11). The unit costs of replacement water for the next five fiscal years (2024-2025 through 2028-2029) are based on: the remaining balance, and associated unit costs, of existing cyclic storage water that SGVWC has already pre-purchased and will use during this time period, per data received in an email from Joel M. Reiker of SGVWC on 4/28/2025 (see Attachment 13); and current cyclic water storage costs provided in SGVWC's Response to Cal Advocates' DR MTN-014, Response No. 3 (see Attachment 2). Existing cyclic storage water pre-purchased at the $902/acre-foot cost is projected to be fully utilized at the end of 2027. Consistent with SGVWC's historic practice of pre-purchasing cyclic storage water, it is assumed that cyclic storage water used in 2028-2029 will be pre-purchased at the current rate of $1,015/acre-foot (and the unit rate for 2027-2028 is an average of the $902 and $1,015 rates). An annual increase of 3.8% is applied to forecast unit costs for 2029-2030 and each year thereafter. This rate of increase was derived based upon the above-described unit cost projections and historical cyclic storage water cost data provided in SGVWC's Response to Cal Advocates' DR MTN-004, Response No. 4 and Attachment A (see Attachment 11).

Consistent with recent Commission decisions,[107] the cost of these water rights purchases should be excluded from utility plant and rate base since, given the lengthy payback period, the purchases are not cost effective. In addition, the cost estimates and assumptions become less reliable when they are projected far into the future. The total reduction to utility plant for the LA division is $6,419,564 million, which will be applied in 2023, the year the rights were initially purchased and recorded.

IV. CONCLUSION

Ratepayers should not be required to fund a shareholder return on assets that are not used and useful or otherwise do not provide a benefit to ratepayers. Accordingly, and based on an analysis of historical rate base, Cal Advocates has identified several assets on which ratepayers should no longer fund a return. The Commission should remove the NBV of these assets from forecasted utility plant, as described above. This includes a $1,466,254 adjustment in 2025 ($1,423,125 for LA division, and $43,129 for FWC division), to address assets that are out of operation and not providing a benefit to ratepayers; plus a $6,419,564 million adjustment in 2023 to remove two water rights purchases in the LA division ($176,855 for 8.36 acre-feet purchased from Susan Andrade, and $6,242,709 for 228 acre-feet purchased from William Knight Trust) that are not cost effective.

[107] D.24-12-030, *Decision Resolving Suburban Water Systems' General Rate Case Increases for 2024-2026,* at 90 indicates that rate payers should not be forced to fund projects that are not cost-effective and declined to approve a water rights purchase that had an 11-year breakeven period.

CHAPTER 13 UTILITY PLANT

I. INTRODUCTION

Chapters 1 through 10 of this testimony include various Cal Advocates recommendations regarding SGVWC's proposed capital budget for the LA division and FWC division, Chapter 11 provides Cal Advocates' recommendations related to IDC, and Chapter 12 provides Cal Advocates' recommendations regarding Historic Rate Base. This Chapter is not intended to repeat the arguments presented in these earlier chapters, but rather to present a summary of the cumulative impact of the recommendations in those chapters on utility plant.

II. SUMMARY OF RECOMMENDATIONS

Consistent with the arguments presented in Chapters 1 through 12 of this testimony, the Commission should approve: the recommended revisions to SGVWC's proposed capital budget, the incorporation of IDC in lieu of CWIP, and recommended adjustments to historic rate base, all of which inform forecasted utility plant.

III. ANALYSIS

To very briefly summarize the arguments presented in Chapters 1 through 10 of this testimony, the Commission should deny SGVWC proposals to include, in utility plant, and therefore its revenue requirement and customer rates: (1) projects funded by ratepayers in the previous GRC, since ratepayers should not pay a second time for shareholder profit on projects that have yet to produce benefits, (2) projects that will not be used and useful, since the utility should not earn a return on assets that do not provide a benefit to ratepayers, or (3) projects that are not reasonable and justified with adequately-supported costs, since the utility has a responsibility to justify every dollar included in rate base, and an incentive to spend every dollar approved in order to maximize returns.

The cumulative impact of Cal Advocates' recommendations from Chapters 1 through 10 is summarized in Tables 13-1 and 13-2.[108]

Table 13-1: Capital Budget Comparison, LA division

	2025	2026	2027	2028
SGVWC Capital Budget ($ M, Excluding Outside Contributions)	35.215	30.635	30.145	35.317
Cal Advocates Recommended Capital Budget ($ M, Excluding Outside Contributions)	21.456	16.051	15.053	17.104
Difference ($ M)	13.759	14.584	15.092	18.213
Difference (%)	35	31	30	35

Table 13-2: Capital Budget Comparison, FWC division

	2025	2026	2027	2028
SGVWC Capital Budget ($ M, Excluding Outside Contributions)	29.580	32.118	34.400	41.817
Cal Advocates Recommended Capital Budget ($ M, Excluding Outside Contributions)	17.591	20.918	20.812	27.683
Difference ($ M)	11.989	11.2	13.588	14.134
Difference (%)	41	35	40	34

In addition to the above-described revisions to the capital budget, consistent with Chapter 11, IDC costs should be incorporated into forecasted plant amounts, in lieu of

[108] SGVWC Workpapers, file "GRCWorkpapers – 2025," tab "P1"

Note, in addition to the recommendations outlined in Chapters 1 through 10 of this testimony, the numbers provided in Tables 12.1 and 12.2 also reflect recommended changes to the forecasted costs for Supervisory Control and Data Acquisition costs budgeted in the Pumping Equipment account, which are addressed in the separate testimony of Mr. Timothy Gee (Report on SCADA, New Position, Customer Service, Water Quality, Special Request #1, and ESJ Action Plan). Adjustments to the capital budget for General Office are addressed in the separate testimony of Mr. Zaved Sarkar (Report on General Office Operations, Taxes, and Special Request #4).

CWIP, since IDC better reflects SGVWC's actual costs, without providing an unreasonable return on assets that are not used and useful.

Finally, consistent with Chapter 12, various adjustments based on a review of historic rate base should also be incorporated to address recorded assets that are not benefiting rate payers.

The cumulative impact of all these changes on forecasted Utility Plant is summarized in Tables 13-3 and 13-4.[109]

Table 13-3: Utility Plant Comparison, LA division

	2025	2026	2027	2028
SGVWC Utility Plant, Average Balance ($ M)	552.020	587.365	619.592	656.793
Cal Advocates Recommended Utility Plant, Average Balance ($ M)	516.507	536.527	553.545	573.050
Difference ($ M)	35.513	50.838	66.047	83.743
Difference (%)	6	9	11	13

Table 13-4: Utility Plant Comparison, FWC division

	2025	2026	2027	2028
SGVWC Utility Plant, Average Balance ($ M)	609.448	653.518	694.431	735.194
Cal Advocates Recommended Utility Plant, Average Balance ($ M)	590.842	623.296	651.815	678.716
Difference ($ M)	18.606	30.222	42.616	56.478
Difference (%)	3	5	6	8

[109] SGVWC Workpapers, file "GRCWorkpapers – 2025," tab "P2"

IV. CONCLUSION

The Commission should approve the above-described revisions to utility plant. Cal Advocates utilized the revised forecasted utility plant amounts resulting from these recommended revisions in calculating the revised depreciation reserve and rate base forecast, as discussed further in Chapters 14 and 15.

CHAPTER 14 DEPRECIATION

I. INTRODUCTION

This chapter discusses Cal Advocates' recommended revisions to the forecasted depreciation reserve for General Office, LA division, and FWC division.

II. SUMMARY OF RECOMMENDATIONS

The Commission should adopt Cal Advocates' revised depreciation reserve forecasts.

III. ANALYSIS

The differences between Cal Advocates' and SGVWC's forecasted depreciation reserves are summarized in Tables 14-1 through 14-3.[110] The differences are primarily related to: (1) differences in forecasted utility plant, described in Chapter 13, and (2) adjustments to account for the cost of SGVWC's extraordinary early retirements. These adjustments for extraordinary early retirements are consistent with prior Commission decisions, including D.23-01-001,[111] and discussed further in the following sections.

[110] SGVWC Workpapers, file "GRCWorkpapers – 2025," tab "P2"

[111] D.23-01-001 at 68. In this decision, the Commission agreed with Cal Advocates' recommendation to adjust Suburban's depreciation reserve to account for early retirements and therefore prevent ratepayers from funding shareholder profits on early retired assets.

Table 14-1: Depreciation Reserve Comparison, General Office

	2025	2026	2027	2028
SGVWC Depreciation Reserve, Average Balance ($ M)	8.629	12.557	18.920	25.753
Cal Advocates Recommended Depreciation Reserve, Average Balance ($ M)	8.807	12.438	18.497	24.824
Difference ($)	-0.178	0.119	0.423	0.929
Difference (%)	2	1	2	4

Table 14-2: Depreciation Reserve Comparison, LA division

	2025	2026	2027	2028
SGVWC Depreciation Reserve, Average Balance ($ M)	169.336	180.956	192.359	204.640
Cal Advocates Recommended Depreciation Reserve, Average Balance ($ M)	169.987	180.433	191.034	202.080
Difference ($)	-0.651	0.523	1.325	2.56
Difference (%)	0	0	1	1

Table 14-3: Depreciation Reserve Comparison, FWC division

	2025	2026	2027	2028
SGVWC Depreciation Reserve, Average Balance ($ M)	193.597	206.534	218.540	231.376
Cal Advocates Recommended Depreciation Reserve, Average Balance ($ M)	194.232	206.189	217.692	229.739
Difference ($)	-0.635	0.345	0.848	1.637
Difference (%)	0	0	0	1

A. SGVWC's Extraordinary Early Retirements Lead to Unreasonable Shareholder Gains at Ratepayer Expense

Consistent with standard practice,[112] SGVWC typically fully depreciates each asset upon retirement, even when assets are retired early. As described in Section III.A.1, this leads to a net decrease to the depreciation reserve, and therefore a net increase to rate base, required revenues, and shareholder profits, the costs of which are paid by the ratepayers. Utilities may argue that the net increase to rate base created by early retirements is in theory balanced by assets that remain in service longer than their expected serviced life. However, unlike assets that remain in service longer than their useful lives (which have a zero impact on utility plant account and depreciation reserve), there is a cost to ratepayers for retiring an asset before it is fully depreciated. When there is a consistent trend of excessively early retirements the cumulative impact to ratepayers is significant, and Commission intervention is necessary to protect ratepayers from paying for unreasonable shareholder returns.

1. Further Demonstrating the Impact of Extraordinary Early Retirements

Depreciation expenses are included in a utility's annual authorized budget (i.e. the utility's annual revenue requirement) to recover the original cost of utility plant (less estimated net salvage) over the useful life of the asset.[113] Each year, the amount of recorded depreciation expense is also recorded in the depreciation reserve. The annual depreciation expenses associated with a given asset will continue to accumulate in the depreciation reserve over time, while the asset is in service.

In determining the utility's annual revenue requirement, the depreciation reserve is subtracted from total investments to determine the utility's rate base, which is the value of property on which the utility receives a return. Subtracting the depreciation reserve ensures that shareholders do not continue to receive profit on the portion of their initial

[112] CPUC Standard Practice U-4-W at 7.

[113] CPUC Standard Practice U-4-W at 6.

investment that has already been repaid by ratepayers through annual depreciation expenses.

When SGVWC retires an asset, the original cost of the asset is removed from the plant account and the same amount is removed from the depreciation reserve.[114] For example, looking at a theoretical asset with a value of $100 and a life expectancy of 10 years (i.e. depreciation rate of 10%). The annual depreciation expense amount of $10 would be added to the depreciation reserve. After 10 years of service, the accumulated depreciation reserve associated with the asset would be $100. When the asset is retired, $100 is removed from the plant in service account, and $100 is removed from the depreciation reserve. This way, the asset ultimately has zero impact on rate base because both the plant account and the depreciation reserve have $100 of an existing balance removed.

Conversely, when an asset is retired early, only a portion of the asset's cost has accumulated in the depreciation reserve. But in this instance, SGVWC still deducts the full original cost from both the plant account and the depreciation reserve at retirement. This results in a net decrease to the depreciation reserve. For example, consider if the same theoretical asset costing $100 is retired after five years of service rather than the expected 10 years. After five years, $50 of depreciation expenses (i.e. $10 annual depreciation expense for five years) would have accumulated in the depreciation reserve. Then at retirement after five years, $100 would be removed from the plant in service account and $100 would be removed from the depreciation reserve. The depreciation reserve is reduced by $100 even though only $50 has actually accumulated in the depreciation reserve during the five-year service life of the asset. As a result, there is a $50 net decrease in the depreciation reserve.

Since the depreciation reserve is subtracted from total investments (i.e., plant in service) in determining rate base, this net decrease in depreciation reserve results in a net increase in the SGVWC's rate base and therefore higher profits to the company's

[114] CPUC Standard Practice U-4-W at 7.

shareholders. And these profits will be received annually by the utility in perpetuity unless the depreciation reserve is adjusted.

2. The Commission's Role in Addressing Extraordinary Early Retirements

Normal market forces do not exist in the case of IOUs and regulated monopolies. Because of this, one of the Commission's main roles is to act as a substitute for competition.[115] A normal business would not be rewarded for early retirement of assets. When an asset fails to last as long as expected, a cost is incurred, and a loss must be reported by the business.[116] Utilities are compensated for these types of business risks through their Commission-approved rate of return.[117]

Allowing SGVWC to maintain an ongoing imbalance in the depreciation reserve as a result of early retirements is inconsistent with what would be allowed by market forces in a competitive environment. Requiring ratepayers to pay for related shareholder profits in perpetuity, despite receiving no ongoing benefit from the assets retired early runs counter to the Commission's responsibility as a regulator. Therefore, an adjustment to the depreciation reserve is necessary to correct this imbalance and ensure that ratepayers do not continue to pay for unreasonable gains for the company's shareholders.

The Commission's Standard Practice for Determination of Straight-Line Remaining Life Depreciation Accruals recognizes this issue in what it refers to as instances of extraordinary obsolescence, which might include, for example, "unexpected early retirement of a major unit of property."[118] The standard practice document also acknowledges that instances of this type may require some form of an adjustment to

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[115] "Our objective through regulation is to act as a substitute for competition." D.96-04-050 citing D.86-08-083.

[116] Retirement of Plant Assets Journal Entry | Example – Accountinginside, https://accountinginside.com/retirement-of-plant-assets-journal-entry/, accessed June 10, 2025.

[117] Utility Cost of Capital (nasuca.org), https://nasuca.org/wp-content/uploads/2021/09/M.-Ellis-NASUCA-ROR-Presentation-Final-9-15-21.pdf, accessed June 10, 2025.

[118] CPUC Standard Practice U-4-W at 42.

depreciation related accruals.[119] Ultimately, there is an equally significant impact to ratepayers when considering early retirement of a single major asset as compared to a consistent trend of early retirement across many smaller types of assets. The net decrease in depreciation reserve that results from early retirement, when summed over multiple smaller assets, can easily meet, or exceed, the net decrease in depreciation reserve that results from early retirement of a single major asset; therefore, both can result in an equally significant impact to ratepayers. Given the cumulative impact of SGVWC's extraordinarily early retirements, an adjustment to the depreciation reserve is warranted.

3. Quantifying the Impact of SGVWC's Extraordinary Early Retirements

To adjust for the imbalance created by SGVWC's early retirements, the net book value of these assets needs to be added back into the depreciation reserve. For each asset, the adjustment to the depreciation reserve is the difference between the original undepreciated cost of the asset and the accumulated annual depreciation through to the time of retirement, which is equal to the net book value. Net book value is essentially the amount of the asset that was not depreciated prior to retirement.

Ultimately it would be extremely challenging to implement a full reconciliation for cumulative historical imbalances within the depreciation reserve; therefore, as part of a more practical approach for this GRC, the Commission should implement an adjustment to correct for SGVWC's extraordinarily early retirements during the last five years (2020-2024), while setting an expectation for SGVWC to continue making this same type of correction as part of each future GRC. Furthermore, these years coincide with recorded entries that were only possible of forecasting in the previous GRC.

The impact of early retirement on the depreciation reserve is most significant when assets are retired very early. In these cases, limited depreciation has occurred over the short service life of the asset, and the net book value remaining at

[119] CPUC Standard Practice U-4-W at 42.

retirement is a high percentage of the originally recorded value. Focusing on the fully retired assets with a net book value at retirement that exceeds 50% of the original recorded value, and summing the net book value of those assets that were retired between 2020 and 2024, results in a total adjustments of $1.67 million, as described further in Table 14-4.[120] Adding this amount to the depreciation reserve is consistent with prior decisions,[121] and will reduce the burden put on ratepayers by SGVWC's extraordinary early retirements. Also, additional annual savings will accrue over time if ongoing early retirements continue to be addressed in future GRCs.

Table 14-4: Depreciation Reserve Adjustments

Division	Number of Assets Retired Extraordinarily Early (2020-2024)	Total NBV of the Extraordinary Early Retired Assets, to be Added to Depreciation Reserve ($)
General Office	19	192,835
LA	401	762,260
FWC	443	715,963
Total	**863**	**1,671,058**

[120] SGVWC's Response to Cal Advocates' DR MTN-002, Response No. 1 and Attachment A (see Attachment 5). Note that this amount excludes the NBV of early retired water meter assets, because those assets were retired consistent with implementation of SGVWC's approved water meter conversion program, as discussed in Chapter 5.

[121] D.24.-12-030 at 68, which states the following regarding extraordinary early retirements:

"While Suburban argues that these retirements comply with Standard Practice U-4-W for straight-line depreciation, this practice does not account for extraordinary early retirements, where assets are retired much earlier than expected. Cal Advocates proposes using a 50% benchmark to define such retirements, ensuring that ratepayers only pay for assets that are truly used and useful… Accordingly, we agree with Cal Advocates and adopt the suggestion to adjust the depreciation reserve to reflect the early retirements. This will help prevent ratepayers from funding shareholder profits on these retired assets."

IV. CONCLUSION

The Commission should adopt Cal Advocates' revised depreciation reserve forecasts, which Cal Advocates utilized in calculating the revised rate base forecast discussed in Chapter 15. The revised depreciation reserve forecast includes adjustments to add $1.67 million to SGVWC's depreciation reserve to minimize the impact of SGVWC's early retirements on its ratepayers and ensure that SGVWC's shareholders aren't receiving unreasonable returns. In addition to this single adjustment as part of this GRC, the Commission should also direct SGVWC to continue making this same type of correction as part of each future GRC, to address extraordinary early retirements from the three years prior to the GRC.[122]

[122] For example, for the next GRC in 2028, the depreciation reserve balance would reflect an additional adjustment to increase the depreciation reserve and account for extraordinary early retirements occurring 2025 through 2027.

CHAPTER 15 RATE BASE

I. INTRODUCTION

This chapter discusses Cal Advocates' recommended rate base forecast for the LA division and FWC division, which are informed by the recommended revised forecasts for utility plant in Chapter 13 and depreciation reserve in Chapter 14.

II. SUMMARY OF RECOMMENDATIONS

The Commission should adopt Cal Advocates' revised rate base forecasts.

III. ANALYSIS

The differences between Cal Advocates' and SGVWC's forecasted rate base are summarized in Tables 15-1 and 15-2.[123]

Table 15-1: Rate Base Comparison, LA division

	2025	2026-2027	2027-2028
SGVWC Average Rate Base ($ M)	298.584	337.749	361.373
Cal Advocates Recommended Average Rate Base ($ M)	261.719	268.897	273.406
Difference ($)	36.865	68.852	87.967
Difference (%)	12	20	24

[123] SGVWC Workpapers, file "GRCWorkpapers – 2025," tab "RB1"

Note: The numbers provided in Tables 15-1 and 15-2 reflect recommendations regarding General Office per the separate testimony of Mr. Zaved Sarkar (Report on General Office Operations, Taxes, and Special Request #4), and the General Office depreciation adjustments outlined in Chapter 14 herein. The General Office adjustments flow into the LA division and FWC division forecasts because forecasts from General Office are ultimately allocated into the LA division and FWC division on a proportional basis for the purposes of forecasting rate base.

Table 15-2: Rate Base Comparison, FWC division

	2025	2026-2027	2027-2028
SGVWC Average Rate Base ($ M)	267.746	304.682	334.315
Cal Advocates Recommended Average Rate Base ($ M)	247.719	261.857	274.384
Difference ($)	20.027	43.633	60.724
Difference (%)	7	14	18

IV. CONCLUSION

The Commission should adopt Cal Advocates' revised rate base forecasts. Cal Advocates utilized these revised amounts in calculating the revised rates for Test Years 2026-2027 and 2027-2028.

LIST OF ATTACHMENTS

#	Attachment #	Description
1	1	SGVWC's Response to Cal Advocates' Data Request MTN-005, with Attachments 1.a, 1.b, and 3
2	2	SGVWC's Response to Cal Advocates' Data Request MTN-014, with Attachments 2 and 7.xlsx (Available via email)
3	3	SGVWC's Response to Cal Advocates' Data Request MTN-006, with Attachments 3.a and 3.b
4	4	SGVWC's Response to Cal Advocates' Data Request MTN-015, with Attachment 1
5	5	SGVWC's Response to Cal Advocates' Data Request MTN-002, with Attachment A.xlsx (Available via email)
6	6	SGVWC's Response to Cal Advocates' Data Request MTN-013, Attachments 1 (page 45) and 3.d.ii.2
7	7	SGVWC's Response to Cal Advocates' Data Request MTN-003, with Attachment A (Row 609)
8	8	SGVWC's Response to Cal Advocates' Data Request MTN-007, with Attachments D and E
9	9	SGVWC's Response to Cal Advocates' Data Request MTN-011, with Attachment Facility Paving
10	10	SGVWC's Response to Cal Advocates' Data Request MTN-008, with Attachment A
11	11	SGVWC's Response to Cal Advocates' Data Request MTN-004, with Attachment A
12	12	SGVWC's Response to Cal Advocates' Data Request MTN-010
13	13	Data received in an email from Joel M. Reiker of SGVWC on 4/28/2025
14	14	Qualifications of Witness

ATTACHMENT 1: SGVWC's Response to Cal Advocates' Data Request MTN-005, with Attachments 1.a, 1.b, and 3

SAN GABRIEL VALLEY WATER COMPANY

March 19, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-005 (Settlement Budget and Recorded Plant)**

Dear Mr. Aslam:

In response to your data request dated March 12, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
For General Office, Los Angeles Division and Fontana Division, please provide an Excel file with the Capital Budget 2022-2025 associated with the final settlement budget. The budget should include an annual breakdown for each individual project or line item, with a level of detail similar to the Capital Budget 2025-2028 provided in Exhibit SG-13 Attachments A, B, and D.

RESPONSE NO. 1
Refer to \MTN-005 ATTACHMENT 1.a.xlsx\, \MTN-005 ATTACHMENT 1.b.xlsx\, and \MTN-005 ATTACHMENT 1.c.xlsx\ for the Excel spreadsheets showing the final settlement for capital budget 2022-2025.

REQUEST NO. 2:
Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-005 Attachment A, and provide the following data for all assets added to rate base, in Los Angeles and Fontana Divisions, during 2022, 2023, and 2024:

a. Division
b. Date Added to Rate Base
c. Cost

11142 GARVEY AVENUE • P.O. BOX 6010 • EL MONTE, CALIFORNIA 91734-2010 • (626) 448-6183 • Fax (626) 448-5530

d. Plant Site (or other location if not at a Plant Site)
e. Plant Account Number
f. Asset Name
g. Asset Description
h. Asset ID No.
i. Date in-Service

RESPONSE NO. 2
Refer to \MTN-005 ATTACHMENT 2.xlsx\ for the requested information.

REQUEST NO. 3:
Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-005 Attachment B, and provide the following data for any recorded plant in-service assets that are not in operation, for both Los Angeles and Fontana Divisions:

a. Division
b. Date Added to Rate Base
c. Cost
d. Plant Site (or other location if not at a Plant Site)
e. Plant Account Number
f. Asset Name
g. Asset Description
h. Asset ID No.
i. Date in-Service
j. Date Out of Operation
k. Reason the Asset is Out of Operation
l. Net Book Value as of 12/31/24

RESPONSE NO. 3:
Refer to \MTN-005 ATTACHMENT 3.xlsx\ for the requested information.

REQUEST NO. 4:
Please refer to SGVWC's Response to Public Advocates Data Request No. MTN-001 and respond to the following regarding the plant in-service data provided.

a. The data includes Asset ID Nos. 8303L-2 ($52,634.54) and 8303L-3 ($4,823.78), both recorded to Plant Account No. 324.00L. The asset description indicates these assets are associated with installation of a motor and bowl assembly plus electrical for Well B7C, and the assets are reported as "In Use". Based on observations during the site visit on February 20, 2025, there is a single well onsite at Plant B7, B7E. While onsite, staff also indicated that B7C has been retired. Can you please explain why these assets remain recorded as plant inservice if the well has been retired?

b. The data includes Asset ID No. 5307F-14 ($797,566.30) recorded to Plant Account No. 342.00F. The asset description indicates "Construct Reservoir F21A and F21B." Based on observations during the site visit on February 19, 2025, there is a single reservoir onsite at Plant F21, referred to as Reservoir F21 West. Please explain this apparent discrepancy.

c. The data includes Asset ID No. 5407F-3 ($1,548,262.00) recorded to Plant Account No. 332.00F. The asset description indicates "Additional Design and Engineering Performed By." Please (1) clarify the following (a) who performed this additional work, (b) the scope of these additional design and engineering costs and (c) why additional design and engineering work was necessary; and (2) provide the total design and engineering costs recorded for the associated capital project at Plant F23.

Enclosures: A2501001 Public Advocates DR MTN-005 Attachment A A2501001 Public Advocates DR MTN-005 Attachment B

RESPONSE NO. 4:

a. Well B7C was active and in operation from March 1976 until November 2014, and was officially taken out of service in October 2016.

The work in question for Well B7C was performed and completed in March 2014. This work consisted of rehabilitation efforts and the replacement of materials, including the installation of a new bowl assembly, motor repair, and electrical upgrades. These repairs were conducted due to a loss of production from the well. Once the repairs were completed, the well was returned to service, and production was regained.

The United States Environmental Protection Agency (USEPA) requested that San Gabriel Valley Water Company destroy Well B7C as part of the Puente Valley Operable Unit (PVOU) remedy. The purpose of this destruction was to minimize

the potential for contamination migration from the intermediate zone to the deep zone.

San Gabriel Valley Water Company awarded the contract for the destruction of Well B7C to Water Well Supply, Inc. under Job #8817L-1. The destruction process commenced in October 2016 and was successfully completed within the same month. Additionally, the State of California Well Completion Report was finalized in October 2016, documenting the completion of the destruction process. Given that the well was officially decommissioned, the associated asset should have been retired at that time.

b. The description on the prepared work order was initially set up to construct two reservoirs at Plant F21, which were initially called Reservoir F21A and F21B. San Gabriel was authorized to construct one of the reservoirs at Plant F21. The costs to construct reservoir F21A were recorded on Job 5307F-14. The project description has been updated in the system to read "Construct Reservoir F21A"

c. (1) (a) additional work was performed by ARCADIS
(b) the additional costs were for engineering design and the procurement of treatment vessels and resin for a perchlorate treatment system.
(c) Additional design and engineering work was needed due to the Department of Defense's Environmental Security Technology Certification Program, which provided funds to ARCADIS to study and test equipment vessels and resin purchased from Calgon Carbon, including design and drawings of the Plant F23 treatment plant.

(2) The total design and engineering costs recorded for the capital project at Plant F23 are $1,875,080.85. $1,548,262.00 are recorded on Job 5407F-22 and the remaining $326,818.85 was recorded for the rest of the job and includes costs for San Gabriel staff and as well as design consultants.

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 1 (continued): MTN-005 Attachment 1.a

SAN GABRIEL VALLEY WATER COMPANY
LOS ANGELES COUNTY DIVISION
CAPITAL BUDGET
2022-2025

12/16/21

		2022			2023			2024			2025				
Plant No. 1		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
332	**Treatment Equipment**				**200**		**200**	**6,450**		**6,450**				**6,650**	**6,650**
1	Design, Permitting and Related Work				200		200								
2	Plant No. 1 PFOS/PFOA Treatment System							6,000		6,000					
3	Plant No. 1 Chlorination Catchment														
4	Plant No. 1 Treatment System Piping							300		300					
5	Plant No. 1 Treatment System SCADA							150		150					
					200		**200**	**6,450**		**6,450**				**6,650**	**6,650**
Plant No. 7		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**	**216**	**24**	**240**	**4,446**	**494**	**4,940**	**1,237**	**138**	**1,375**				**5,899**	**6,555**
1	Design, Permitting and Related Work	216	24	240											
2	Grading and Drainage							522	58	580					
3	Fence							207	23	230					
4	Site Improvements							477	53	530					
5	Construct 0.6-MG Reservoir (South)				4,005	445	4,450								
6	Security							31	4	35					
7	Reservoir Piping				306	34	340								
8	SCADA				135	15	150								
	Total	**216**	**24**	**240**	**4,446**	**494**	**4,940**	**1,237**	**138**	**1,375**				**5,899**	**6,555**
Plant No. 11		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
321	**Pumping Structures**														
1	Refurbish Existing Building														
2	Retaining Wall														
3	Site Improvements														
332	**Treatment Equipment**							**220**		**220**	**6,975**		**6,975**	**7,195**	**7,195**
1	Design, Permiting and Related Work							220		220					
2	Plant No. 11 Acid Injection System														
3	Plant No. 11 PFOS/PFOA Treatment System										6,500		6,500		
4	Plant No. 11 Treatment System Piping										300		300		
5	Plant No. 11 Treatment System SCADA										175		175		
	Total							**220**		**220**	**6,975**		**6,975**	**7,195**	**7,195**

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		2022			2023			2024			2025				
Plant No. 12		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
321	**Pumping Structures**				**200**		**200**							**200**	**200**
1	Design, Permitting and Related Work				200		200								
2	Plant No. 12 Booster Station Enclosure														
324	**Pumping Equipment**							**1,225**		**1,225**				**1,225**	**1,225**
1	Plant No. 12 Booster Pumps							300		300					
2	Plant No. 12 Booster Station Electrical							500		500					
3	Plant No. 12 SCADA							125		125					
4	Plant No. 12 Booster Piping							300		300					
	Total				**200**		**200**	**1,225**		**1,225**				**1,425**	**1,425**
Plant No. 13		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**														
1	Plant No. 13 SCADA														
2	Plant No. 13 Fencing														
3	Plant No. 13 Grading														
4	Plant No. 13 Site Improvements														
5	Plant No. 13 Demolish Existing Reservoir														
6	Plant No. 13 Construct 0.42 MG Reservoir														
7	Plant No. 13 Reservoir Piping														
	Total														
Plant No. 14		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**	**1,150**		**1,150**	**850**		**850**							**2,000**	**2,000**
1	Plant No. 14 Reservoir	1,000		1,000											
2	Plant No. 14 Reservoir Piping	100		100											
3	Plant No. 14 SCADA	50		50											
4	Plant No. 14 Retrofit Existing 0.42 MG Reservoir				600		600								
5	Plant No. 14 Site Improvements				250		250								
	Total	**1,150**		**1,150**	**850**		**850**							**2,000**	**2,000**
Plant B6		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
331	**Treatment Structures**							**100**		**100**	**250**		**250**	**350**	**350**
1	Design, Permitting and Related Work							100		100					
2	Refurbish Former Low Pressure UV Treatment Building										250		250		
332	**Treatment Equipment**		**2,700**	**2,700**											**2,700**
1	Plant B6 Phase II - UV Treatment System		2,700	2,700											
	Total		**2,700**	**2,700**				**100**		**100**	**250**		**250**	**350**	**3,050**

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		2022			2023			2024			2025				
	Plant B14	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**	**350**		**350**										**350**	**350**
1	Plant B14 Design, Permitting, and Related	350		350											
2	Plant B14 Retaining Wall														
3	Plant B14 Grading														
4	Plant B14 SCADA														
5	Plant B14 Site Improvements														
6	Plant B14 Construct 1.0 MG Reservoir (North)														
7	Plant B14 Reservoir Piping														
8	Plant B14 Fence														
	Total	**350**		**350**										**350**	**350**
	Plant B15	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**				**1,025**		**1,025**				**2,285**		**2,285**	**3,310**	**3,310**
1	Design, Permitting and Related Work				140		140								
2	Plant B15 Demo West Reservoir										110		110		
3	Plant B15 Construct 0.37 MG Reservoir (West)										1,950		1,950		
4	Plant B15 West Reservoir Piping										150		150		
5	Plant B15 Demo East Reservoir														
6	Plant B15 Construct 0.47 MG Reservoir (East)														
7	Plant B15 East Reservoir Piping														
8	Plant B15 Fence				235		235								
9	Plant B15 Retaining Wall				275		275								
10	Plant B15 SCADA										75		75		
11	Plant B15 Grading				125		125								
12	Plant B15 Storm Drain				125		125								
13	Plant B15 Site Improvements				125		125								
	Total				**1,025**		**1,025**				**2,285**		**2,285**	**3,310**	**3,310**
	Plant B19	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
306	**Land and Land Rights**														
1	Plant B19 Land Acquisition														
324	**Pumping Equipment**														
1	Plant B19 Booster Capacity														
2	Plant B19 Booster Electrical														
3	Plant B19 SCADA														
342	**Reservoirs**														
1	Plant B19 Design, Permitting and Related Work														
	Total														

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	Plant B24	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
332	**Treatment Equipment**	**1,700**		**1,700**										**1,700**	**1,700**
1	Plant B24 VOC Treatment System Design, Permitting & Related Work	200		200											
2	Plant B24 VOC Treatment System	1,500		1,500											
	Total	**1,700**		**1,700**										**1,700**	**1,700**
	Plant B28	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
321	**Pumping Structures**		**2,450**	**2,450**											**2,450**
1	Plant B28 Fence and Wall		280	280											
2	Plant B28 Site Improvements		650	650											
3	Plant B28 Booster Station Building		1,520	1,520											
324	**Pumping Equipment**		**3,350**	**3,350**											**3,350**
1	Plant B28 Booster Piping		1,350	1,350											
2	Plant B28 Booster Pumps		400	400											
3	Plant B28 Booster Electrical		900	900											
4	Plant B28 Booster Generator		500	500											
5	Plant B28 Booster SCADA		200	200											
343	**Mains**		**3,800**	**3,800**											**3,800**
1	B28 to WB001 Blend Pipeline		3,800	3,800											
	Total		**9,600**	**9,600**											**9,600**
	Plant M1	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
324	**Pumping Equipment**							**200**		**200**				**200**	**200**
1	Plant M1 Additional Booster							200		200					
	Total							**200**		**200**				**200**	**200**
	Plant M2	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
324	**Pumping Equipment**														
1	Plant M2 Hydroelectric Station														
	Total														

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	Plant M3	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
306	**Land and Land Rights**		**775**	**775**											**775**
1	Plant M3 Site Acquisition		775	775											
321	**Pumping Structures**		**1,215**	**1,215**		**1,960**	**1,960**								**3,175**
1	Plant M3 Fence					240	240								
2	Plant M3 Retaining Wall					255	255								
3	Plant M3 Precise Grading and Paving					865	865								
4	Plant M3 Site Improvements					270	270								
5	Plant M3 Landscaping and Site Lighting					330	330								
6	Plant M3 Booster Station Building		1,215	1,215											
324	**Pumping Equipment**	**50**	**1,950**	**2,000**		**530**	**530**							**50**	**2,530**
1	Plant M3 Booster Pumps		280	280											
2	Plant M3 Booster Piping		680	680											
3	Plant M3 Booster Electrical		660	660											
4	Plant M3 Generator					530	530								
5	Plant M3 SCADA	50	330	380											
342	**Reservoirs**	**2,080**	**1,935**	**4,015**	**750**		**750**							**2,830**	**4,765**
1	Plant M3 Pipeline Replacement				750		750								
2	Plant M3 Demolish Existing Reservoir	145		145											
3	Plant M3 Construct 0.6 MG Reservoir (East)	1,600		1,600											
4	Plant M3 Reservoir East Piping	335		335											
5	Plant M3 Construct 0.8 MG Reservoir (West)		1,600	1,600											
6	Plant M3 Reservoir West Piping		335	335											
	Total	**2,130**	**5,875**	**8,005**	**750**	**2,490**	**3,240**							**2,880**	**11,245**

	Plant M4	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
306	**Land and Land Rights**														
1	Plant M4 Site Acquisition														
321	**Pumping Structures**														
1	Plant M4 Design, Permitting & Related Work														
2	Plant M4 Remove Old Booster Pumps														
3	Plant M4 Fence														
4	Plant M4 Retaining Wall														
5	Plant M4 Grading														
6	Plant M4 Site Improvements														
324	**Pumping Equipment**														
1	Plant M4 Booster Pumps														
2	Plant M4 Booster Piping														
3	Plant M4 Booster Electrical														
4	Plant M4 SCADA														
342	**Reservoirs**														
1	Plant M4 Construct 0.19-MG Reservoir (East)														
2	Plant M4 East Reservoir Piping														
3	Plant M4 Demolish Existing Reservoir														
4	Plant M4 Construct 0.33-MG Reservoir (West)														
5	Plant M4 West Reservoir Piping														
	Total														

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		2022			2023			2024			2025				
	Plant M7	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
306	**Land and Land Rights**		**685**	**685**											**685**
1	Plant M7 Site Acquisition		685	685											
321	**Pumping Structures**		**1,215**	**1,215**		**1,805**	**1,805**								**3,020**
1	Plant M7 Booster Station Building		1,215	1,215											
2	Plant M7 Fence					425	425								
3	Plant M7 Retaining Wall					250	250								
4	Plant M7 Precise Grading and Paving					625	625								
5	Plant M7 Site Improvements					175	175								
6	Plant M7 Landscaping and Lighting					330	330								
324	**Pumping Equipment**		**2,340**	**2,340**											**2,340**
1	Plant M7 Booster Pumps		300	300											
2	Plant M7 Booster Piping		510	510											
3	Plant M7 Booster Electrical		670	670											
4	Plant M7 Booster Generator		530	530											
5	Plant M7 SCADA		330	330											
342	**Reservoirs**		**4,560**	**4,560**											**4,560**
1	Plant M7 Construct 0.7-MG Reservoir (East)		2,100	2,100											
2	Plant M7 East Reservoir Piping		180	180											
3	Plant M7 Construct 0.7-MG Reservoir (West)		2,100	2,100											
4	Plant M7 West Reservoir Piping		180	180											
	Total		**8,805**	**8,805**		**1,805**	**1,805**								**10,605**

	Plant M8	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
306	**Land and Land Rights**		**75**	**75**											**75**
1	Plant M8 Site Acquisition		75	75											
321	**Pumping Structures**								**2,250**	**2,250**					**2,250**
1	Plant M8 Design, Permitting & Related Work								575	575					
2	Plant M8 Booster Station Building								1,215	1,215					
3	Plant M8 Site Improvements								230	230					
4	Plant M8 Landscaping								230	230					
324	**Pumping Equipment**								**2,260**	**2,260**					**2,260**
1	Plant M8 Booster Pumps								455	455					
2	Plant M8 Booster Piping								275	275					
3	Plant M8 Booster Electrical								670	670					
4	Plant M8 Booster Generator								530	530					
5	Plant M8 SCADA								330	330					
	Total		**75**	**75**					**4,510**	**4,510**					**4,585**

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		2022			2023			2024			2025				
Plant W6		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
321	**Pumping Structures**	**225**		**225**										**225**	**225**
1	Plant W6 Design, Permitting and Related Work	225		225											
2	Plant W6 Refurbish Booster Station Building														
324	**Pumping Equipment**										**1,100**		**1,100**	**1,100**	**1,100**
1	Plant W6 Booster Pumps										450		450		
2	Plant W6 Booster Piping										250		250		
3	Plant W6 Booster Electrical														
4	Plant W6 Site Improvements										200		200		
5	Plant W6 SCADA										200		200		
	Total	**225**		**225**							**1,100**		**1,100**	**1,325**	**1,325**
Pumping Equipment		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
324	**Pumping Equipment**	**1,225**		**1,225**	**1,320**		**1,320**	**1,475**		**1,475**	**1,645**		**1,645**	**5,665**	**5,665**
1	Refurbish and Retrofit 6 Wells	450		450	500		500	575		575	650		650		
2	Refurbish 6 Boosters	150		150	170		170	190		190	215		215		
3	Refurbish Electrical Panel & Starters for Boosters	150		150	170		170	190		190	215		215		
4	Arc Flash Study	100		100	100		100	100		100	100		100		
5	SCADA Replacements	100		100	100		100	100		100	100		100		
6	Plant PRV Vault Retrofits	150		150	180		180	220		220	265		265		
7	SCADA Cyber Security Evaluation	25		25											
8	Security Improvements	100		100	100		100	100		100	100		100		
	Total	**1,225**		**1,225**	**1,320**		**1,320**	**1,475**		**1,475**	**1,645**		**1,645**	**5,665**	**5,665**
Reservoirs		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**	**115**		**115**	**130**		**130**	**150**		**150**	**165**		**165**	**560**	**560**
1	Seismic Joints	115		115	130		130	150		150	165		165		
	Total	**115**		**115**	**130**		**130**	**150**		**150**	**165**		**165**	**560**	**560**
Mains		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
343	**Mains**	**11,725**		**11,725**	**11,340**		**11,340**	**7,425**		**7,425**	**6,735**		**6,735**	**37,225**	**37,225**
1	Bridge Crossing Rehabilitation and Replacement				750		750								
2	Miscellaneous Mains	11,650		11,650	10,500		10,500	7,315		7,315	6,600		6,600		
3	Distribution PRV Vault Retrofits	75		75	90		90	110		110	135		135		
	Total	**11,725**		**11,725**	**11,340**		**11,340**	**7,425**		**7,425**	**6,735**		**6,735**	**37,225**	**37,225**
Services		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
345	**Services**	**4,675**		**4,675**	**3,190**		**3,190**	**2,305**		**2,305**	**2,135**		**2,135**	**12,305**	**12,305**
1	Miscellaneous Services	4,600		4,600	3,100		3,100	2,195		2,195	2,000		2,000		
2	Service Vault Retrofits	75		75	90		90	110		110	135		135		
	Total	**4,675**		**4,675**	**3,190**		**3,190**	**2,305**		**2,305**	**2,135**		**2,135**	**12,305**	**12,305**

SAN GABRIEL VALLEY WATER COMPANY
LOS ANGELES COUNTY DIVISION
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		2022			2023			2024			2025				
Meters		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
346	**Meters**	**1,485**		**1,485**	**2,015**		**2,015**	**1,545**		**1,545**	**1,576**		**1,576**	**6,621**	**6,621**
1	Meter Replacement and Equipment	1,485		1,485	1,515		1,515	1,545		1,545	1,576		1,576		
2	Test Bench				500		500								
	Total	**1,485**		**1,485**	**2,015**		**2,015**	**1,545**		**1,545**	**1,576**		**1,576**	**6,621**	**6,621**
Fire Hydrants		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
348	**Fire Hydrants**	**160**		**160**	**250**		**250**	**450**		**450**	**650**		**650**	**1,510**	**1,510**
1	Miscellaneous Fire Hydrants	160		160	250		250	450		450	650		650		
	Total	**160**		**160**	**250**		**250**	**450**		**450**	**650**		**650**	**1,510**	**1,510**
Structures and Improvements		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
371	**Structures and Improvements**	**485**		**485**	**505**		**505**	**225**		**225**	**250**		**250**	**1,465**	**1,465**
1	Gate Access Security	110		110	125		125	140		140	160		160		
2	Office Space Planning Study	150		150	150		150								
3	System Wide Green Energy Generation Study	150		150	150		150								
4	Miscellaneous Structures and Improvements	75		75	80		80	85		85	90		90		
	Total	**485**		**485**	**505**		**505**	**225**		**225**	**250**		**250**	**1,465**	**1,465**
Office Equipment		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
372	**Office Equipment**	**600**		**600**	**680**		**680**	**1,035**		**1,035**	**690**		**690**	**3,005**	**3,005**
1	Project Delivery System Improvements	85		85	85		85	85		85	85		85		
2	Master Plan Updates	100		100	100		100				100		100		
3	System Wide Water Master Plan							550		550					
4	Asset and Maintenance Management Systems	100		100	100		100	100		100	100		100		
5	GIS System Improvements and Updates	100		100	100		100	100		100	100		100		
6	Hydraulic Model Improvements and Updates	100		100	100		100				100		100		
7	Furniture	30		30	33		33	35		35	38		38		
8	PC Replacements	35		35	35		35	35		35	35		35		
9	Workgroup Printer Replacements	15		15	15		15	15		15	15		15		
10	Inventory Management System				75		75	75		75	75		75		
11	Miscellaneous Office Equipment	35		35	37		37	40		40	42		42		
	Total	**600**		**600**	**680**		**680**	**1,035**		**1,035**	**690**		**690**	**3,005**	**3,005**
Transportation Equipment		Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
373	**Transportation Equipment**	**322**		**322**	**268**		**268**	**292**		**292**	**304**		**304**	**1,186**	**1,186**
1	New Vehicles	322		322	268		268	292		292	304		304		
	Total	**322**		**322**	**268**		**268**	**292**		**292**	**304**		**304**	**1,186**	**1,186**

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		2022			2023			2024			2025				
	Communication Equipment	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
376	**Communication Equipment**	**440**		**440**	**245**		**245**	**260**		**260**	**95**		**95**	**1,040**	**1,040**
1	Mobile Radios	50		50	50		50	50		50	50		50		
2	Radio Tower				150		150	150		150					
3	Field Service Application	15		15				15		15					
4	Field Tablets/Mounting Equipment	20		20	20		20	20		20	20		20		
5	SCADA Radio Replacements	330		330											
6	Communication Equipment	25		25	25		25	25		25	25		25		
	Total	**440**		**440**	**245**		**245**	**260**		**260**	**95**		**95**	**1,040**	**1,040**
	Tools and Equipment	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
378	**Tools and Equipment**	**45**		**45**	**45**		**45**	**45**		**45**	**45**		**45**	**180**	**180**
1	Miscellaneous Tools and Equipment	45		45	45		45	45		45	45		45		
	Total	**45**		**45**	**45**		**45**	**45**		**45**	**45**		**45**	**180**	**180**
	Grand Total	**27,048**	**27,074**	**54,122**	**27,459**	**4,789**	**32,248**	**24,639**	**4,648**	**29,287**	**24,900**		**24,900**	**104,046**	**140,557**

Attachment 1 (continued): MTN-005 Attachment 1.b

SAN GABRIEL VALLEY WATER COMPANY
FONTANA WATER COMPANY DIVISION
CAPITAL BUDGET
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		2022			2023			2024			2025				
	Plant F2	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**							**300**		**300**				**300**	**300**
1	Plant F2 Design, Permitting and Related Work for Reservoir							300		300					
2	Plant F2 Demolish Plant F2 Reservoir														
3	Plant F2 Reservoir (2.0 MG)														
4	Plant F2 Reservoir Piping														
5	Plant F2 SCADA														
6	Plant F2 Fence and Wall														
7	Plant F2 Grading														
8	Plant F2 Site and Street Improvements														
	Total							**300**		**300**				**300**	**300**
	Plant F7	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
324	**Pumping Equipment**		**200**	**200**	**200**		**200**							**200**	**400**
1	Plant F7 Auto Valve for By-Pass				200		200								
2	Plant F7 Booster Pumps		200	200											
342	**Reservoirs**		**4,100**	**4,100**											**4,100**
1	Plant F7 Reservoir (West) (1.7 MG)		3,500	3,500											
2	Plant F7 Reservoir Piping		500	500											
3	Plant F7 SCADA		100	100											
	Total		**4,300**	**4,300**	**200**		**200**							**200**	**4,500**
	Plant F10	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
315	**Wells**				**3,825**		**3,825**							**3,825**	**3,825**
1	Plant F10 Drill Well F10E				2,100		2,100								
2	Plant F10 Equip Well F10E				1,100		1,100								
3	Plant F10 Well F10E Electrical				275		275								
4	Plant F10 Well F10E Piping				250		250								
5	Plant F10 Well F10E SCADA				100		100								
342	**Reservoirs**	**250**		**250**	**4,350**		**4,350**	**6,550**		**6,550**	**1,450**		**1,450**	**12,600**	**12,600**
1	Plant F10 Fence and Wall							1,250		1,250					
2	Plant F10 Grading	250		250											
3	Plant F10 Site and Street Improvements										1,450		1,450		
4	Plant F10 SCADA				100		100								
5	Plant F10 Reservoir (1.9 MG) (East)				3,900		3,900								
6	Plant F10 Reservoir Piping (East)				350		350								
7	Plant F10 Demolish Existing Reservoir (West)							200		200					
8	Plant F10 Reservoir (1.9 MG) (West)							4,900		4,900					
9	Plant F10 Reservoir Piping (West)							200		200					
	Total	**250**		**250**	**8,175**		**8,175**	**6,550**		**6,550**	**1,450**		**1,450**	**16,425**	**16,425**

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		2022			2023			2024			2025				
	Plant F20	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
306	**Land and Land Rights**	**300**		**300**										**300**	**300**
1	Plant F20 Land Acquisition	300		300											
342	**Reservoirs**	**250**		**250**	**250**		**250**	**1,925**		**1,925**	**8,250**		**8,250**	**10,675**	**10,675**
1	Plant F20 Design, Permitting & Related Work	250		250	250		250								
2	Plant F20 Const. Reservoir F20 North (1.1 MG)										4,850		4,850		
3	Plant F20 Reservoir Piping										500		500		
4	Plant F20 SCADA										100		100		
5	Plant F20 Fencing							550		550					
6	Plant F20 Grading							750		750					
7	Plant F20 Retaining Wall							625		625					
8	Plant F20 Site and Street Improvements										600		600		
9	Plant F20 Refurbish Existing F20 South Reservoir										2,200		2,200		
	Total	**550**		**550**	**250**		**250**	**1,925**		**1,925**	**8,250**		**8,250**	**10,975**	**10,975**
	Plant F21	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
315	**Wells**							**4,325**		**4,325**				**4,325**	**4,325**
1	Plant F21 Drill Well F21C							2,350		2,350					
2	Plant F21 Equip Well F21C							1,450		1,450					
3	Plant F21 Well F21C Electrical							300		300					
4	Plant F21 Well F21C Piping							300		300					
5	Plant F21 Well F21C SCADA							125		125					
	Total							**4,325**		**4,325**				**4,325**	**4,325**
	Plant F30	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
315	**Wells**														
1	Plant F30 Drill Well F30B														
2	Plant F30 Equip Well F30B														
3	Plant F30 Well F30B Electrical														
4	Plant F30 Well F30B Piping														
5	Plant F30 Well F30B SCADA														
321	**Pumping Structures**														
1	Plant F30 Design, Permitting & Related Work														
2	Plant F30 Fencing														
3	Plant F30 Grading														
4	Plant F30 Well Building														
5	Plant F30 Site and Street Improvements														
	Total														

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SAN GABRIEL VALLEY WATER COMPANY
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		2022			2023			2024			2025				
	Plant F31	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
315	**Wells**														
1	Plant F31 Drill Well F31C														
2	Plant F31 Equip Well F31C														
3	Plant F31 Well F31C Electrical														
4	Plant F31 Well F31C Piping														
5	Plant F31 Well F31C SCADA														
321	**Pumping Structures**	**905**		**905**										**905**	**905**
1	Plant F31 Site Improvements	905		905											
	Total	**905**		**905**										**905**	**905**
	Plant F44	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**														
1	Plant F44 Design, Permitting & Related Work														
2	Plant F44 Fence and Wall														
3	Plant F44 Grading														
4	Plant F44 Site and Street Improvements														
5	Plant F44 SCADA														
6	Plant F44 Const. Reservoir F44 West (1.0 MG)														
7	Plant F44 Reservoir Piping														
	Total														
	Plant F58	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
321	**Pumping Structures**		**350**	**350**											**350**
1	Plant F58 Site and Street Improvements		350	350											
343	**Mains**	**5,700**		**5,700**										**5,700**	**5,700**
1	F58 to Sierra Avenue Pipeline	5,700		5,700											
	Total	**5,700**	**350**	**6,050**										**5,700**	**6,050**

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SAN GABRIEL VALLEY WATER COMPANY
FONTANA WATER COMPANY DIVISION
CAPITAL BUDGET
2022 - 2025

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		2022			2023			2024			2025				
	Plant F59	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**	**125**		**125**	**1,625**		**1,625**	**125**		**125**	**5,565**		**5,565**	**7,440**	**7,440**
1	Plant F59 Design, Permitting and Related Work	125		125	125		125	125		125					
2	Plant F59 1.5-MG Reservoir										4,550		4,550		
3	Plant F59 Reservoir Piping										350		350		
4	Plant F59 Grading				150		150				300		300		
5	Plant F59 Fencing				1,125		1,125								
6	Plant F59 Security				225		225								
7	Plant F59 SCADA										365		365		
	Total	**125**		**125**	**1,625**		**1,625**	**125**		**125**	**5,565**		**5,565**	**7,440**	**7,440**
	Summit Plant Solids Handling System	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
331	**Treatment Structures**							**1,700**		**1,700**				**1,700**	**1,700**
1	Design, Permitting and Related Work							1,700							
2	Solids Handling Building														
3	Site Improvements														
332	**Treatment Equipment**														
1	Gravity Thickener Tank														
2	Sludge Pump Station														
3	Solids Storage Tank														
	Total							**1,700**		**1,700**				**1,700**	**1,700**
	Wells	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
315	**Wells**	**750**		**750**	**500**		**500**							**1,250**	**1,250**
1	Plant F4 Install Packer in Well F4A														
2	Plant F17 Install Packers in Wells F17B and F17C	500		500											
3	Plant F44 Install Packers in Wells F44A and F44C				500		500								
4	Plant F54 Well F54A Building	250		250											
	Total	**750**		**750**	**500**		**500**							**1,250**	**1,250**
	Pumping Equipment	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
324	**Pumping Equipment**	**1,125**		**1,125**	**1,220**		**1,220**	**1,375**		**1,375**	**1,545**		**1,545**	**5,265**	**5,265**
1	Refurbish 6 Wells	450		450	500		500	575		575	650		650		
2	Refurbish 6 Boosters	150		150	170		170	190		190	215		215		
3	Refurbish Electrical Panel & Starters for Boosters	150		150	170		170	190		190	215		215		
4	Arc Flash Study	100		100	100		100	100		100	100		100		
5	Meter and PRV Vault Retrofits	150		150	180		180	220		220	265		265		
6	SCADA Cyber Security Evaluation	25		25											
7	Security Improvements	100		100	100		100	100		100	100		100		
	Total	**1,125**		**1,125**	**1,220**		**1,220**	**1,375**		**1,375**	**1,545**		**1,545**	**5,265**	**5,265**

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SAN GABRIEL VALLEY WATER COMPANY
FONTANA WATER COMPANY DIVISION
CAPITAL BUDGET
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		2022			2023			2024			2025				
	Reservoirs	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
342	**Reservoirs**	**120**		**120**	**105**		**105**	**120**		**120**	**135**		**135**	**480**	**480**
1	Seismic Retrofits	95		95	105		105	120		120	135		135		
2	Plant F46 Tidal Mixer	25		25											
	Total	**120**		**120**	**105**		**105**	**120**		**120**	**135**		**135**	**480**	**480**
	Mains	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
343	**Mains**	**11,425**		**11,425**	**11,340**		**11,340**	**10,610**		**10,610**	**8,510**		**8,510**	**41,885**	**41,885**
1	Miscellaneous Mains	11,350		11,350	11,250		11,250	10,500		10,500	8,375		8,375		
2	Distribution PRV Vault Retrofits	75		75	90		90	110		110	135		135		
	Total	**11,425**		**11,425**	**11,340**		**11,340**	**10,610**		**10,610**	**8,510**		**8,510**	**41,885**	**41,885**
	Services	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
345	**Services**	**3,575**		**3,575**	**3,090**		**3,090**	**3,360**		**3,360**	**2,510**		**2,510**	**12,535**	**12,535**
1	Miscellaneous Services	3,500		3,500	3,000		3,000	3,250		3,250	2,375		2,375		
2	Service Vault Retrofits	75		75	90		90	110		110	135		135		
	Total	**3,575**		**3,575**	**3,090**		**3,090**	**3,360**		**3,360**	**2,510**		**2,510**	**12,535**	**12,535**
	Meters	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
346	**Meters**	**1,400**		**1,400**	**1,925**		**1,925**	**1,453**		**1,453**	**1,482**		**1,482**	**6,260**	**6,260**
1	Meter Replacement and Equipment	1,400		1,400	1,425		1,425	1,453		1,453	1,482		1,482		
2	Meter Test Bench				500		500								
	Total	**1,400**		**1,400**	**1,925**		**1,925**	**1,453**		**1,453**	**1,482**		**1,482**	**6,260**	**6,260**
	Fire Hydrants	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
348	**Fire Hydrants**	**260**	**100**	**360**	**280**	**100**	**380**	**300**	**100**	**400**	**320**	**100**	**420**	**1,160**	**1,560**
1	Miscellaneous Fire Hydrants	260	100	360	280	100	380	300	100	400	320	100	420		
	Total	**260**	**100**	**360**	**280**	**100**	**380**	**300**	**100**	**400**	**320**	**100**	**420**	**1,160**	**1,560**
	Structures and Improvements	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
371	**Structures and Improvements**	**360**		**360**	**385**		**385**	**260**		**260**	**290**		**290**	**1,295**	**1,295**
1	Gate Access Security	110		110	125		125	140		140	160		160		
2	System Wide Green Energy Generation Study	150		150	150		150								
3	Miscellaneous Structures and Improvements	100		100	110		110	120		120	130		130		
	Total	**360**		**360**	**385**		**385**	**260**		**260**	**290**		**290**	**1,295**	**1,295**

5

SAN GABRIEL VALLEY WATER COMPANY
FONTANA WATER COMPANY DIVISION
CAPITAL BUDGET
2022 - 2025

		2022			2023			2024			2025				
	Office Equipment	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
372	**Office Equipment**	**625**		**625**	**700**		**700**	**1,060**		**1,060**	**710**		**710**	**3,095**	**3,095**
1	Project Delivery System Improvements	85		85	85		85	85		85	85		85		
2	Master Plan Updates	100		100	100		100				100		100		
3	System Wide Water Master Plan							550		550					
4	Asset and Maintenance Management Systems	150		150	150		150	150		150	150		150		
5	GIS System Improvements and Updates	100		100	100		100	100		100	100		100		
6	Hydraulic Model Updates	100		100	100		100				100		100		
7	Furniture	30		30	30		30	30		30	30		30		
8	PC Replacements	25		25	25		25	30		30	30		30		
9	Workgroup Printer Replacements	15		15	15		15	15		15	15		15		
10	Inventory Management System				75		75	75		75	75		75		
11	Miscellaneous Office Equipment	20		20	20		20	25		25	25		25		
	Total	**625**		**625**	**700**		**700**	**1,060**		**1,060**	**710**		**710**	**3,095**	**3,095**
	Transportation Equipment	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
373	**Transportation Equipment**	**338**		**338**	**484**		**484**	**404**		**404**	**446**		**446**	**1,672**	**1,672**
1	Vehicles	338		338	484		484	404		404	446		446		
	Total	**338**		**338**	**484**		**484**	**404**		**404**	**446**		**446**	**1,672**	**1,672**
	Communication Equipment	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
376	**Communication Equipment**	**435**		**435**	**340**		**340**	**105**		**105**	**90**		**90**	**970**	**970**
1	Mobile Radios	50		50	50		50	50		50	50		50		
2	Radio Tower				250		250								
3	Field Service Application	15		15				15		15					
4	Field Tablets/Mounting Equipment	15		15	15		15	15		15	15		15		
5	SCADA Radio Replacements	330		330											
6	Communication Equipment	25		25	25		25	25		25	25		25		
	Total	**435**		**435**	**340**		**340**	**105**		**105**	**90**		**90**	**970**	**970**
	Tools and Equipment	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Company Funds $1,000	Contributions $1,000	Total $1,000	Total Company $1,000	Grand Total $1,000
Account No.	**Item**														
378	**Tools and Equipment**	**410**		**410**	**75**		**75**	**75**		**75**	**75**		**75**	**635**	**635**
1	Miscellaneous Tools and Equipment	75		75	75		75	75		75	75		75		
2	Loader	145		145											
3	Backhoe	179		179											
4	Arrow Boards	11		11											
	Total	**410**		**410**	**75**		**75**	**75**		**75**	**75**		**75**	**635**	**635**
	Grand Total	**28,353**	**4,750**	**33,103**	**30,694**	**100**	**30,794**	**34,047**	**100**	**34,147**	**31,378**	**100**	**31,478**	**124,472**	**129,522**

Attachment 1 (continued): MTN-005 Attachment 3

A2501001 Cal Advocates Data Request (DR) MTN-005 Attachment B

Division (Los Angeles, or Fontana)	Date Added to Rate Base	Cost	Plant Site (or other location if not at a Plant Site)	Plant Account Number	Asset Name	Asset Description	Asset ID No.	Date in Service	Date Out of Operation	Reason the Asset is Out of Operation	Net Book Value as of 12/31/24
Los Angeles	2017	$ 689,777.77	Plant No. 1	10010-31500	Well 1F	Production Well	7661L-S	N/A	N/A	The well has been drilled and fully equipped. It is currently awaiting permitting approval through DDW.	536,233.24
Los Angeles	1999	$ 113,741.95	Plant No. 2	10010-32400	Generator	Back Generator	6734L-1	1999	2015	The generator at this plant no longer met AQMD standards and has been replaced with a newer, compliant generator. The old generator has been relocated to Plant No. 11, where it is currently not in use	9,383.71
Los Angeles	1959	$ 164,565.13	Plant B1	10010-31500	Well B1	Production Well	UNK	1959	2007	Loss of Production	0.00
Los Angeles	1955	$ 151,936.21	Plant B2	10010-31500	Well B2	Production Well	UNK	1955	1986	Plant B2 has been inactive since late 1986 due to contamination.	0.00
Los Angeles	1963	$ 497,998.09	Plant B4	10010-31500	Well B4B	Production Well	UNK	1963	2008	The well has been taken out of service due to contamination. There were plans to install a pipeline to Plant B6, where the well water could be treated	0.00
Los Angeles	1965	$ 466,444.84	Plant B4	10010-31500	Well B4C	Production Well	UNK	1965	2008	The well has been taken out of service due to contamination. There were plans to install a pipeline to Plant B6, where the well water could be treated	0.00
Los Angeles	1998		Plant B4	10010-33200	B4 Air Stripper	Treatment Process	6575L-2	1998	2008	The air stripper is currently not in service because Wells B4B and B4C are inactive.	
Los Angeles	1998	$ 976,503.18	Plant B4	10010-33200	B4 Air Stripper Boosters 1	Treatment Process	6575L-2	1998	2008	Booster not in use - Air Stripper not in service because Wells B4B and B4C are inactive.	128,507.82
Los Angeles	1998		Plant B4	10010-33200	B4 Air Stripper Boosters 2	Treatment Process	6575L-2	1998	2008	Booster not in use - Air Stripper not in service because Wells B4B and B4C are inactive.	
Los Angeles	1956	$ 195,831.83	Plant B5	10010-31500	Well B5A	Production Well	UNK	1956	2005	Deactivated per BPOU agreement	0.00
Los Angeles	1989	$ 2,231,376.24	Plant B5	10010-31500	Well B5C	Production Well	UNK	1989	2008	Deactivated per BPOU agreement	0.00
Los Angeles	1971	$ 300,428.56	Plant B6	10010-31500	Well B6C	Production Well	UNK	1971	2016	The well has been taken out of service due to contamination per DDW.	0.00
Los Angeles	1986	$ 163,223.86	Plant B6	10010-31500	Well B6D	Production Well	5392L-1	1986	2018	The well has been taken out of service due to contamination per DDW.	0.00
Los Angeles	1992	$ 536,950.69	Plant B7	10010-33200	B7 Airstripper	Treatment Process	6096L-1	1992	2016	The B7 air stripper is not in use due to the destruction of the B7C well. It is currently being redesigned to treat water from Wells B24A, B24B, and B24C.	0.00
Los Angeles	1992		Plant B7	10010-33200	B7 Airstripper Booster 1	Treatment Process	6096L-1	1992	2016	B7 Air Stripper Booster 1 is not in use because the air stripper is out of service. Once the air stripper is redesigned, the booster will be placed back in service.	
Los Angeles	1976	$ 653,988.81	Plant B7	10010-31500	Well B7C	Production Well	UNK	1976	2016	The well was contaminated and has been permanently destroyed.	0.00
Los Angeles	2014	$ 1,112,000.38	Plant B24	10010-31500	Well B24C	Production Well	7880L-1	N/A	N/A	The well has been drilled and fully equipped. It is currently awaiting permitting approval from DDW.	758,384.26
Los Angeles	1950	$ 180,133.03	Plant W1	10010-31500	Well W1C	Production Well	UNK	1950	2022	Well is inactive due to contamination with manganese.	0.00
Los Angeles	1955	$ 215,431.94	Plant W1	10010-31500	Well W1E	Production Well	UNK	1955	2010	Well is inactive due to contamination with manganese.	0.00
Los Angeles	1993	$ 1,011,668.43	Plant W1	10010-33200	Greensand Filtration System	Treatment Process	6197L-1	1993	2010	Since Wells W1C and W1E are out of service, this filtration system is no longer in use.	0.00
Los Angeles	1953	$ 112,962.15	Plant W6	10010-31500	Well W6B	Production Well	UNK	1953	1984	Loss of Production	0.00
Los Angeles	N/A dissallowed in acquisition	$ 80,000	Plant M11	10010-31500	Well No. 1	Production Well	9616L	N/A dissallowed in acquisition	2020	The well is inactive due to contamination and had a loss of production.	N/A dissallowed in acquisition
Los Angeles	2023	$ 263,854.00	Plant M12	10010-34200	M12 Reservoir	Reservoir	9616L	N/A	2022	Acquired from City of Montebello, currently under rehabilitation.	258,708.85
Los Angeles	2023	$ 263,854.00	Plant M12	10010-32400	M12 Booster Station	Booster Station	9616L	N/A	2022	Acquired from City of Montebello, retired Jan. 2025 (to be replaced during GRC cycle)	254,170.21
Fontana	1995	$ 233,921.75	F2	10010-31500	Well A	Well	3761F-1	1995	2016	High Nitrates / Perchlorates considering future treatment vessels at F44	7,345.14
Fontana	1962	$ 96,321.00	F10	10010-34200	Old Reservoir	Concrete Reservoir	3834F-1	1962	2023	Scheduled to be replaced	0.00
Fontana	2000	$ 114,705.65	F10	10010-33200	Backwash Tank	Steel Tank	4250F-9	2000	2003	new operation routine bypasses the tank and flushes directly to the percolation basin on site.	43,129.92
Fontana	1932	$ 24,000.00	F13	10010-34200	Small Reservoir	Concrete Reservoir	3835F-1	1932	2023	Scheduled to be replaced	0.00
Fontana	N/A		F17	UNK	Micro Strainer	Micro Strainer	UNK	N/A	N/A	no longer required by DDW due to the nitrate perchlorate treatment on site.	UNK
Fontana	1951	$ 19,965.00	F18	10010-31500	Well A	Well	3840F-1	1951	2002	Injection well plan already in CIP budget	0.00
Fontana	1989	$ 15,361.61	F18	10010-32400	Booster #1	Booster pump	3236F-1	1989	1998	Old Union Booster would be obsolete with F18A basin recharge plan.	0.00
Fontana	1990	$ 191,708.19	F22	10010-31500	Well A	Well	3373F-1	1990	2010	High Nitrates / Perchlorates considering future treatment or basin maintenance program	0.00
Fontana	1997	$ 7,166.49	F22	10010-33100	Cl2 room	Cement Block	4098F-1	1997	2010	Out of service until future F22A well plan is concluded	2,870.90
Fontana	1924	$ 12,953.00	F34	10010-31500	Well A	Well	3846F-1	1924	2013	Rehab plan already in CIP budget	0.00
										Total	1,998,733.45

ATTACHMENT 2: SGVWC's Response to Cal Advocates' Data Request MTN-014, with Attachments 2 and 7

SAN GABRIEL VALLEY WATER COMPANY

April 18, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-014 (Capital Projects)**

Dear Mr. Aslam:

In response to your data request dated April 11, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Referring to SGVWC's Capital Budgets 2025-2028 for Los Angeles and Fontana Divisions, which are included in SG-13 Attachments B and D, respectively:

a. Please confirm if the costs shown in the year 2025 of the capital budgets are estimated in 2025 dollars.

b. Please confirm if the costs shown in the years 2026, 2027, and 2028 of the capital budgets are escalated.

   i. If so, explain what annual escalation factor was applied. If a uniform annual escalation factor was not applied to all the capital projects included in the budget, please separately explain the specific factors and approaches applied to each project or project type.

c. Provide any bids SGVWC has received to date for projects that include work within the following plant accounts: Wells (315), Treatment Structures (331), Treatment Equipment (332), and Reservoirs (342).

RESPONSE NO. 1:

a. Yes. The costs shown in the 2025 of the capital budget are estimated in 2025 dollars.

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b.i Yes. The costs shown in the years 2026, 2027 and 2028 of the capital budgets are escalated based on the construction year. Depending on the work item, budgets were escalated annually per the escalation rates in the table below.

Budget Item	Average Annual Escalation Rate 2025-2028
Electrical	8%
Wall	8%
Fence and Pilasters	8%
Fencing	5%
Equip Well	8%
Site and Street Improvements	13%
Booster Station	6%
Booster Station Electrical	6%
Pumps	7%
Reservoir	11%
Treatment	14%
SCADA	5%
Pipelines	10%

c. Please refer to the folder \MTN-014 ATTACHMENT 1.c\ for the requested bid information.

REQUEST NO. 2:
Referring to SGVWC's Response to Data Request No. MTN-006 (Capital Budgeting, Services and Mains), Response No. 1.a indicates that (1) outside services are needed for Inspection and Management due to the specialized nature of the work, and (2) the respective percentages of 3% and 4% for each are based on historical data. Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-014 Attachment A, and provide the following information regarding each capital project completed at a plant site in the last five years (2020-2024):

a. Division (Los Angeles or Fontana)
b. Capital Project Name
c. Capital Project Number
d. Plant Account Number
e. Plant Site
f. Total Recorded Plant for the Project ($)
g. Outside Contractor Costs for Inspection ($)
h. Outside Contractor Costs for Management ($)

RESPONSE NO. 2:
Please refer to \MTN-014 ATTACHMENT 2.xlsx\ for the requested information.

REQUEST NO. 3:
Referring to SGVWC's Workpapers, file "GRCWorkpapers -2025.xlsx," tab, "EX3", row 20, SGVWC indicates that the unit cost for cyclic storage water is $1,015/acre-foot (AF).

a. Provide supporting documents and calculations for the $1,015/AF unit cost for cyclic storage water. Please ensure the provided response clarifies whether this unit cost includes the $201/AF for Main Basin Water Assessments, or if such assessments would be charged over and above the $1,015/AF unit cost for a total of $1,216/AF.

RESPONSE NO. 3:
a. Yes. Please refer to EXHIBIT SG-9 (Fealy), Attachment D, specifically Resolution No. 05-24-320. The adopted 2024-25 USGVMWD Replacement Water Assessment is shown as $1,115/acre-foot. In 2015, Watermaster initiated a $100 incentive off the Replacement Water Assessment on Cyclic Storage orders covering a Producer's overproduction to better plan and manage wet water deliveries into the basin.

   This specific incentive rate is not documented in a resolution; However, page 4 of Resolution No. 05-24-320 specifically states "The Watermaster Board recognizes the challenges associated in securing Supplemental Water and varied pricing, and has determined that pricing should better anticipate varying short-term costs and conditions while at the same time, provide economic incentive for Producers to pre-purchase Replacement Water to every extent practicable." Refer to \MTN-014 ATTACHMENT 3.a.pdf\, which further details the $100 incentive. The $201 of Main Basin Assessments are applicable for all water produced in the fiscal year.

REQUEST NO. 4:
Referring to Attachment A of SGVWC's Response to Data Request No. MTN-004 (Water Rights), SGVWC indicates that 3,879.64 AF of cyclic storage water was utilized in the Los Angeles Division during Fiscal Year 2023/24. Based on data in that response, the cost of the cyclic storage water appears to be $1,081 per AF ($880 plus $201 in assessments). This would bring the total cost for use of cyclic water storage in Fiscal Year 2023/24 to approximately $4.2 million.

Referring to SGVWC's Workpapers, file "GRCWorkpapers -2025.xlsx," tab "WC1," row 155, SGVWC reports a 12/26/2022 payment of $9,020,000 for cyclic storage water for Fiscal Year 2023/2024.

a. Please explain why the payment shown in the working cash analysis in the workpapers appears to be more than double the annual cost reported in SGVWC's Response to Data Request No. MTN-004. Your response should clarify: (1) the unit cost ($/AF) and volume (AF) of cyclic storage water associated with the $9,020,000 payment, (2) what portion of the AF was not utilized in Fiscal Year 2023/2024, and (3) whether any unutilized water was, or is still, available to SGVWC to use after the end of Fiscal Year 2023/2024.

b. Please provide the following for all subsequent payments for cyclic water storage:

   i. The amount of the payment
   ii. The unit cost ($/AF) and volume (AF) of cyclic storage water associated with the payment
   iii. The period within which this water could or can be utilized

RESPONSE NO. 4:

a. The unit cost for cyclic storage water is applicable to the fiscal year in which it is purchased. Once in storage, water in cyclic storage can be used in a future year when leases and water rights are not sufficient in meeting a Producer's overproduction. In \MTN-004 Attachment A.xlsx\ of SGVWC's Response to Data Request No. MTN-004 (Water Rights), the 3,879.64 AF of cyclic storage water applied in FY 2023/2024 to satisfy SGVWC's overproduction was purchased in October 2021, at a rate of $880/acre-foot, the applicable cyclic storage rate in fiscal year 2020/2021.

   (1) The $9,020,000 payment was for cyclic storage purchased in December 2022, at a unit cost of $902/acre-foot, the applicable rate in fiscal year 2021/2022.
   (2)(3) The cyclic storage water purchased in December 2022 was stored in SGVWC's storage account and was not applied in fiscal year 2023/2024. This stored water will be applied to satisfy overproduction in a future year.

b. (i)(ii)15,000 acre-feet was purchased at $880/acre-foot in October 2021 totaling $13,200,000.

   10,000 acre-feet was purchased at $902/acre-foot in December 2022 totaling $9,020,000.

   (iii.) There is no period specified on when stored cyclic storage water must be used by. The MSGBWM Judgement and Rules and Regulations do not specify an expiration date on stored cyclic storage water. Additionally, there are no water losses applied to the stored water.

REQUEST NO. 5:

Please provide copies of SGVWC's records of past maintenance work completed on the existing in-service reservoirs at Plants 7, B14, B15, F13, F15, and F20.

RESPONSE NO. 5:

Plant No. 7 – San Gabriel has a need to complete maintenance on both the interior and exterior of the existing reservoir at Plant No. 7, however as detailed in Exhibit SG-14, Pages 30 to 31, the existing reservoir at Plant No. 7 cannot be taken out of service since it is needed to meet daily water demands and provide fire storage for Rio Hondo College. San Gabriel can only complete the much needed maintenance of the existing reservoir once a second reservoir is built at Plant No. 7 to provide water storage during the maintenance period. San Gabriel is in the process of complete final permitting with the Department of State Architect to begin construction of the new reservoir.

San Gabriel is providing the Harper and Associates reservoir inspection report completed in 2013 with this response in the folder \MTN-014 ATTACHMENT 5\, which indicates that the reservoir is in fair to poor condition with severe corrosion on the interior of reservoir. The report also notes that structural retrofits, including lateral bracing of the roof rafters and anchorage of the tank shell to the foundation are recommended to bring the reservoir to conformance with AWWA seismic design standards. The report recommends that the interior of the reservoir be re-coated. The Harper and Associates report was provided previously in Attachment A to Exhibit SG-14.

Plant B14 – San Gabriel completed sediment removal from the Plant B14 reservoir in 2024 using specialized underwater vacuum equipment. This method allowed for the removal of accumulated sediment from the tank floor without taking the reservoir out of service. A copy of the 2024 maintenance report is included with this response in the folder \MTN-014 ATTACHMENT 5\.

In addition to this routine maintenance, San Gabriel recognizes the need for more extensive maintenance on both the interior and exterior of the existing reservoir, which is now more than 65 years old. However, as outlined in Exhibit SG-14, Pages 34–35, the reservoir at Plant B14 is the sole source of water for over 7,200 customers, making it infeasible to take the tank out of service for major maintenance work.

San Gabriel is providing the 2013 Harper and Associates inspection report in the folder \MTN-014 ATTACHMENT 5\, which highlights the need for structural recoating, replacement of joint sealants, and other seismic retrofit improvements necessary to meet current AWWA standards.

To address this, San Gabriel has fully designed and permitted a second reservoir at Plant B14. The project is moving forward, and construction is anticipated to begin shortly. The addition of the second reservoir will provide the necessary operational flexibility to take the existing tank offline and perform the much-needed improvements and maintenance safely and effectively.

San Gabriel is committed to maintaining the integrity and reliability of its infrastructure and will proceed with rehabilitation of the existing reservoir as soon as the second reservoir is in service.

Plant B15 – San Gabriel has completed sediment removal from the tank floors using specialized underwater vacuum equipment in 2024. A copy of the maintenance report is provided with this response in the folder \MTN-014 ATTACHMENT 5\.

In addition to routine maintenance, San Gabriel is providing the Harper and Associates reservoir inspection reports completed in 2013 and 2023 with this response in the folder \MTN-014 ATTACHMENT 5\, which indicate that both reservoirs require extensive maintenance and structural retrofits. The inspection report notes that the interior and exterior coating systems have exceeded their life expectancies and structural retrofits such as lateral bracing and anchoring of the foundation are recommended. Additional improvements are also recommended to bring the reservoirs to conformance with AWWA seismic design standards. San Gabriel has retained a

contractor to complete the demolition of the west reservoir and construct a replacement reservoir as detailed in Exhibit SG-14, Pages 35 to 36.

Plant F13 – San Gabriel has completed sediment removal from the tank floor using specialized underwater vacuum equipment in 2020 and 2024. A copy of the maintenance report is provided with this response in the folder \MTN-014 ATTACHMENT 5\.

San Gabriel is providing the Harper and Associates reservoir inspection reports completed in 2013 and 2021 for the West reservoir with this response in the folder \MTN-014 ATTACHMENT 5\. The East reservoir is not in service due to roof damage.

Plant F15 – The reservoir at Plant F15 was constructed in 2020 and has only required maintenance in 2021 to remove sediments from the tank floor. This method allowed for the removal of accumulated sediment from the tank floor without taking the reservoir out of service. A copy of the maintenance report is provided with this response in the folder \MTN-014 ATTACHMENT 5\.

Plant F20 – San Gabriel has completed sediment removal from the tank floor using specialized underwater vacuum equipment in 2020. This method allowed for the removal of accumulated sediment from the tank floor without taking the reservoir out of service. A copy of the maintenance report is provided with this response in the folder \MTN-014 ATTACHMENT 5\.

In addition to routine maintenance, San Gabriel has a need to complete maintenance on both the interior and exterior of the existing reservoir at Plant F20, however as detailed in Exhibit SG-14, Pages 60 to 62 the existing reservoir at Plant F20 cannot be taken out of service since it is the sole source of water storage needed for fire protection and emergency storage for more than 8,000 homes in the Southridge area. San Gabriel can only complete the much needed maintenance of the existing reservoir once a second reservoir is built at Plant F20 to provide water storage during the maintenance period. San Gabriel is in the process of securing construction permits from the City of Fontana to begin the retaining wall and grading work at the site.

San Gabriel is providing the Harper and Associates reservoir inspection reports completed in 2013 and 2021 with this response in the folder \MTN-014 ATTACHMENT 5\, which indicate that the reservoir requires maintenance and retrofits due to corrosion on the interior of the tank shell. The reports also note that the structural columns and roof are in poor condition. The Harper and Associates report was provided previously in Attachment B to Exhibit SG-14.

REQUEST NO. 6:
Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-014 Attachment B, and provide the following data for each of the last ten years (2015-2024):

a. Year
b. Division (Los Angeles or Fontana)
c. Total completed main pipeline replacements (feet)
d. Total recorded for completed main pipeline replacements ($)
e. Company funded portion of the total recorded for completed main pipeline replacements ($)
f. Total Completed new main pipelines (feet)
g. Total recorded for completed new main pipelines ($)
h. Company funded portion of the total recorded for completed new main pipelines ($)

RESPONSE NO. 6:
Refer to \MTN-014 ATTACHMENT 6.xlsx\ for the requested information. The information requested in Question 6.c was provided previously in response to data request MTN-006. San Gabriel is clarifying that the numbers provided in column F of MTN-006 Attachment 6 were total footage of pipeline abandonments and not the total footage of completed main replacements. For the total footage of completed main replacements please refer to column D of \MTN-014 ATTACHMENT 6.xlsx\ provided with this response.

REQUEST NO. 7:
Referring to the enclosed attachment, A2501001 Public Advocates DR MTN-014 Attachment C, please provide the following information related to all existing meters that were not yet upgraded with Automated Meter Reading (AMR) compatible meters as of 12/31/2024:

a. Division (Los Angeles or Fontana)
b. Asset Description/Meter Number
c. Date in Service
d. Service Life
e. Net Book Value as of 12/31/2024

RESPONSE NO. 7:
San Gabriel is current preparing its response to this request and will supplement this response with the requested data no later than Monday April 21.

REQUEST NO. 8:
Please provide a list of all existing SGVWC electric vehicle charging stations and provide the following information for each:

a. Which division it is located in, the address where it's installed,
b. Whether it is a Level I, Level II, or Level III charger.

RESPONSE NO. 8:
San Gabriel has the following electric vehicle charging stations in the Los Angeles County division:

a. LA County Division, 11142 Garvey Avenue, El Monte, CA. 91733
b. 11 (eleven) - Level II Chargers

San Gabriel has the following electric vehicle charging stations in the Los Angeles County division:

a. Fontana Division, 15966 Arrow Boulevard, Fontana, CA. 92335
b. 4 (four) - Level II Chargers

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

SAN GABRIEL VALLEY WATER COMPANY

April 23, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **SUPPLEMENTAL Response to Data Request No. MTN-014 (Capital Projects)**

Dear Mr. Aslam:

In response to your data request dated April 11, 2025, San Gabriel Valley Water Company (San Gabriel or Company) provides the following SUPPLEMENTAL response:

REQUEST NO. 7:
Referring to the enclosed attachment, A2501001 Public Advocates DR MTN-014 Attachment C, please provide the following information related to all existing meters that were not yet upgraded with Automated Meter Reading (AMR) compatible meters as of 12/31/2024:

a. Division (Los Angeles or Fontana)
b. Asset Description/Meter Number
c. Date in Service
d. Service Life
e. Net Book Value as of 12/31/2024

RESPONSE NO. 7:
Please see \MTN-014 ATTACHMENT 7.xlsx\.

Please call me at (626) 448-6183 with any questions regarding this information.

11142 GARVEY AVENUE • P.O. BOX 6010 • EL MONTE, CALIFORNIA 91734-2010 • (626) 448-6183 • Fax (626) 448-5530

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 2 (continued): MTN-014 Attachment 2

Division (Los Angeles or Fontana)	Capital Project Name	Capital Project Number	Plant Account Number	Plant Site	Total Recorded Plant for the Project ($)	Outside Contractor Costs for Inspection ($)	Outside Contractor Costs for Management ($)
LOS ANGELES	LIFT AND ROTATE DISCHARGE HEAD FOR WELL 1B TO	7661L-26	10010-32400	PLANT 1	2,296.20	$ -	$ -
LOS ANGELES	RELOCATE SCADA ANTENNA FROM RESERVOIR TO BOOSTER	7661L-27	10010-32400	PLANT 1	6,423.19	$ -	$ -
LOS ANGELES	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-1	10010-32400	PLANT 1	53,802.89	$ -	$ -
LOS ANGELES	INSTALL ELECTRICAL BREAKER AT WELL 1E	9520L-1	10010-32400	PLANT 1	5,959.15	$ -	$ -
LOS ANGELES	PURCHASE HITACHII 200HP SUBMERSIBLE MOTOR FOR	9530L-1	10010-32400	PLANT 1	49,145.65	$ -	$ -
LOS ANGELES	INSTALL RESERVOIR EAST DRAIN PIPING	7661L-23	10010-34200	PLANT 1	33,635.50	$ -	$ -
LOS ANGELES	REPAIR 20" DISCHARGE FLOW METER S/N#991359-20	9231L-1	10010-32400	PLANT 11	5,766.18	$ -	$ -
LOS ANGELES	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-3	10010-32400	PLANT 11	54,381.87	$ -	$ -
LOS ANGELES	REPLACE ALLEN BRADLEY SOFT STARTER FOR WELL 11B	9505L-1	10010-32400	PLANT 11	9,355.31	$ -	$ -
LOS ANGELES	INSTALL RETAINING WALL	7944L-6	10010-32100	PLANT 14	100,565.69	$ 3,200.00	$ -
LOS ANGELES	INSTALL 20HP ALLEN BRADLEY VARIABLE FREQUENCY	9459L-1	10010-32400	PLANT 14	7,189.08	$ -	$ -
LOS ANGELES	DESIGN, PERMITTING AND RELATED WORK	7944L-3	10010-34200	PLANT 14	447,664.87	$ 6,930.00	$ -
LOS ANGELES	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-2	10010-32400	PLANT 2	54,350.66	$ -	$ -
LOS ANGELES	REPAIR 20" PROP ASSEMBLY	9427L-1	10010-32400	PLANT 2	3,806.66	$ -	$ -
LOS ANGELES	INSTALL ALLEN BRADLEY SOFT STARTERS TO WELLS 8B,	9226L-1	10010-32400	PLANT 8	32,650.44	$ -	$ -
LOS ANGELES	CONSTRUCT STORM DRAIN	8372L-10	10010-33100	PLANT 8	67,535.73	$ -	$ -
LOS ANGELES	PRECISE GRADING	8372L-11	10010-33100	PLANT 8	44,809.03	$ -	$ -
LOS ANGELES	STREET IMPROVEMENTS	8372L-13	10010-33100	PLANT 8	10,630.06	$ -	$ -
LOS ANGELES	CONSTRUCT FENCE AND WALL	8372L-4	10010-33100	PLANT 8	701,594.60	$ 15,824.00	$ -
LOS ANGELES	REPLACE EXISTING ACID INJECTION EQUIPMENT	9266L-1	10010-33200	PLANT 8	0.00	$ -	$ -
LOS ANGELES	INSTALL PH SENSORS AND CONTROLLERS	9276L-1	10010-33200	PLANT 8	2,827.36	$ -	$ -
LOS ANGELES	SECURITY IMPROVEMENTS	8372L-6	10010-37100	PLANT 8	102,605.83	$ -	$ -
LOS ANGELES	REPLACE BOWL ASSEMBLIES ON BOOSTER PUMP B1 & B3	9422L-1	10010-32400	PLANT B1	31,216.49	$ -	$ -
LOS ANGELES	REPLACE BOWL ASSEMBLIES ON BOOSTER PUMPS B1B2	9422L-2	10010-32400	PLANT B1	16,271.92	$ -	$ -
LOS ANGELES	INSTALL 1 - 12" GATE VALVE	9386L-1	10010-32400	PLANT B11	19,838.38	$ -	$ -
LOS ANGELES	REFURBISH S/N 11 82000161-008 R-02 TO WELL B11B	9455L-1	10010-32400	PLANT B11	20,441.52	$ -	$ -
LOS ANGELES	REPAIR AIR STRIPPER BOOSTER PUMP	9386L-2	10010-33200	PLANT B11	12,642.75	$ -	$ -
LOS ANGELES	REPAIR AIR STRIPPER CHECK VALVE	9386L-3	10010-33200	PLANT B11	8,962.92	$ -	$ -
LOS ANGELES	Refurbish air conditioning unit on pump house	9585L-01	10010-32400	PLANT B12	4,893.38	$ -	$ -
LOS ANGELES	HILLSIDE STABILIZATION IMPROVEMENTS	8915L-1	10010-32100	PLANT B17	375,927.32	$ 15,617.00	$ -
LOS ANGELES	DESIGN AND OBTAIN PERMITS FOR AN IN-CONDUIT	8792L-2	10010-32400	PLANT B24	0.00	$ -	$ -
LOS ANGELES	REFURBISH 1 - 12" PROP ASSEMBLY AT PLANT B24 INLET	9484L-1	10010-32400	PLANT B24	2,990.28	$ -	$ -
LOS ANGELES	REFURBISH WELL B25A MOTOR SERIAL NO.488538	9516L-1	10010-32400	PLANT B25	13,137.75	$ -	$ -
LOS ANGELES	INSTALL ALLEN BRADLEY SOFT STARTER FOR WELL	9466L-1	10010-32400	PLANT B26	14,467.66	$ -	$ -
LOS ANGELES	INSTALL WELL PUMP FOR B26B	9486L-1	10010-32400	PLANT B26	28,478.56	$ -	$ -
LOS ANGELES	PURCHASE AND INSTALL 6" CLA-VALVE	9407L-1	10010-32400	PLANT B4	15,192.77	$ -	$ -
LOS ANGELES	INSTALL SOFT STARTER TO BOOSTER #2	9396L-1	10010-32400	PLANT B5	9,435.54	$ -	$ -
LOS ANGELES	REFURBISH WELLB5B MOTOR SN U12-307024833-001-GT-01	9403L-1	10010-32400	PLANT B5	13,352.52	$ -	$ -
LOS ANGELES	INSTALL STANDARD RETRO CONTROLLER AND SUBMERSIBLE PUMP	9539L-1	10010-32400	PLANT B5	14,014.80	$ -	$ -
LOS ANGELES	REPLACE MAGNETIC METER FOR GAC VESSELS PAIR 905	9443L-1	10010-33200	PLANT B5	7,218.05	$ -	$ -
LOS ANGELES	REPLACE AIR CONDITIONING UNIT INSIDE DISTRIBUTION	9372L-1	10010-32400	PLANT B6	9,708.45	$ -	$ -
LOS ANGELES	REPLACE FLOW METER AT B6 BOOSTER PUMP	9458L-1	10010-32400	PLANT B6	2,615.79	$ -	$ -
LOS ANGELES	FURNISH AND INSTALL TWO SETS OF STEEL DOORS AT	9470L-1	10010-33100	PLANT B6	7,558.72	$ -	$ -
LOS ANGELES	ADDITIONAL CHARGES TO CONSTRUCT NITRATE	7879L-14	10010-33200	PLANT B6	61,582.00	$ -	$ -
LOS ANGELES	PURCHASE AND REPLACEMENT OF 24" BASKET STRAINER	9219L-1	10010-33200	PLANT B6	185,892.26	$ -	$ -
LOS ANGELES	INSTALL VARIABLE FREQUENCY DRIVE ON BLOWER #4 AT	9395L-1	10010-33200	PLANT B6	15,979.63	$ -	$ -
LOS ANGELES	REPAIR 8" VENT PIPE ON THE BRINE MAKER FOR THE	9436L-1	10010-33200	PLANT B6	6,813.49	$ -	$ -
LOS ANGELES	INSTALL 1 - 20" BUTTERFLY VALVE	9398L-1	10010-32400	PLANT B7	49,169.38	$ -	$ -
FONTANA	DEMOLISH EXISTING STRUCTURES	5722F-2	10010-30600	PLANT F10	495,924.99	$ -	$ -
FONTANA	SCADA BACK-UP LINE RECONFIGURATION	6327F-1	10010-32400	PLANT F14	87,967.56	$ -	$ -
FONTANA	INSTALL DISCONNECT SWITCH FOR FILTER "B" AIR WASH	6404F-1	10010-33200	PLANT F14	1,991.88	$ -	$ -
FONTANA	REPAIR ELM ELECTRICAL ACTUATOR	6477F-1	10010-33200	PLANT F14	3,580.23	$ -	$ -
FONTANA	PURCHASE AND INSTALL NEW GEAR MOTOR FOR UNIT #4	6577F-1	10010-33200	PLANT F14	3,897.71	$ -	$ -
FONTANA	Install new UPS system and L2000 HMI faceplate at DE Plant	6580F-1	10010-33200	PLANT F14	2,561.78	$ -	$ -
FONTANA	Install soft starter for backwash blower #1	6582F-1	10010-33200	PLANT F14	10,623.36	$ -	$ -
FONTANA	INSTALL AND PROGRAM A SECURITY ACCESS STATION	6495F-1	10010-37100	PLANT F14	4,553.13	$ -	$ -
FONTANA	FENCE AND WALL	5312F-28	10010-32100	PLANT F15	357,623.33	$ -	$ -
FONTANA	SITE GRADING (PHASE II)	5312F-29	10010-32100	PLANT F15	148,232.78	$ -	$ -
FONTANA	CONSTRUCT BOOSTER BUILDING	5312F-8	10010-32100	PLANT F15	1,370,167.18	$ 37,618.67	$ -
FONTANA	INSTALL ELECTRICAL	5312F-13	10010-32400	PLANT F15	937,881.80	$ 3,600.00	$ -
FONTANA	INSTALL PLANT F15 TELEMETRY	5312F-9	10010-32400	PLANT F15	62,203.33	$ -	$ -
FONTANA	CONSTRUCT 4.27MG RESERVOIR (EAST)	5312F-18	10010-34200	PLANT F15	4,204,059.27	$ 55,680.40	$ -
FONTANA	INSTALL RESERVOIR PIPING (EAST)	5312F-19	10010-34200	PLANT F15	740,571.05	$ -	$ -
FONTANA	INSTALL WEST RESERVOIR DRAINAGE PIPING	5312F-21	10010-34200	PLANT F15	24,700.43	$ -	$ -
FONTANA	INSTALL EAST RESERVOIR DRAINAGE PIPING	5312F-22	10010-34200	PLANT F15	176,382.31	$ -	$ -
FONTANA	INSTALL RESERVOIR PIPING (WEST)	5312F-3	10010-34200	PLANT F15	149,793.18	$ -	$ -
FONTANA	INSTALL 3 RESERVOIR SUBMERSIBLE LEVEL TRANSDUCERS	6376F-1	10010-34200	PLANT F15	3,113.56	$ -	$ -
FONTANA	INSTALL 149' OF 25-3/8" GWBR ON CITRUS AVE.	5312F-24	10010-34300	PLANT F15	310,434.80	$ -	$ -
FONTANA	INSTALL 1 - 24" MAINLINE METER AND VAULT	5312F-25	10010-34300	PLANT F15	51,018.25	$ -	$ -
FONTANA	INSTALL 1 - 6" FIRE HYDRANT	5312F-23	10010-34800	PLANT F15	12,182.93	$ -	$ -
FONTANA	SPARE PUMPING EQUIPMENT	6063F-1	10010-32400	PLANT F17	700,176.86	$ -	$ -
FONTANA	ADDITIONAL ELECTRICAL WORK	5554F-10	10010-32400	PLANT F54	3,088.33	$ -	$ -
FONTANA	INSTALL PIPING - WELL F54A	5554F-5	10010-32400	PLANT F54	17,306.45	$ -	$ -
FONTANA	INSTALL RTU AND CONNECT TO SCADA SYSTEM	5554F-7	10010-32400	PLANT F54	12,008.37	$ -	$ -

FONTANA	NORTH RESERVOIR - INSTALL DRAINAGE PIPING	5616F-17	10010-34200	PLANT F58	45,844.06	$ 32,715.63	$	-
FONTANA	SOUTH RESERVOIR - INSTALL DRAINAGE PIPING	5616F-18	10010-34200	PLANT F58	76,819.78	$ -	$	-
FONTANA	PERMITTING & RELATED WORK	5616F-2	10010-34200	PLANT F58	52,616.50	$ -	$	-
FONTANA	INSTALL 1 - 16"MAINLINE METER WITH UTILITY VAULT	5616F-21	10010-34200	PLANT F58	86,140.03	$ -	$	-
FONTANA	INSTALL PIPING TO RESERVOIR (N)	5616F-6	10010-34200	PLANT F58	523,893.04	$ -	$	-
FONTANA	INSTALL PIPING TO RESERVOIR (S)	5616F-8	10010-34200	PLANT F58	152,869.65	$ -	$	-
FONTANA	INSTALL 1 - 6" FIRE HYDRANT	5616F-19	10010-34800	PLANT F58	16,496.45	$ -	$	-
FONTANA	REPLACE MANUAL TRANSFER SWITCH TO THE GENERATOR	6258F-1	10010-32400	PLANT F7	6,607.81	$ -	$	-
FONTANA	INSTALL MAIN BREAKER TO WELL F7A	6364F-1	10010-32400	PLANT F7	11,445.37	$ -	$	-
LOS ANGELES	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-4	10010-32400	PLANT G4	54,487.74	$ -	$	-
LOS ANGELES	INSTALL SCADA ANTENNA TO NEW RESERVOIR	9609L-01	10010-32400	PLANT G6	8,510.25	$ -	$	-
LOS ANGELES	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-5	10010-32400	PLANT W1	53,802.89	$ -	$	-
LOS ANGELES	REPAIR AUMA VALVE AND CALIBRATE	9457L-1	10010-32400	PLANT W1	4,295.63	$ -	$	-
LOS ANGELES	INSTALL SCADA PROGRAMMING	9475L-5	10010-32400	PLANT W6	27,032.86	$ -	$	-
LOS ANGELES	DESIGN, PERMITTING AND RELATED WORK	9475L-2	10010-33200	PLANT W6	83,206.26	$ -	$	-
LOS ANGELES	CONSTRUCT REPLACEMENT PIPING	9475L-4	10010-33200	PLANT W6	268,016.49	$ -	$	-
FONTANA - RECY	ADDITIONAL WORK TO COMPLETE SCADA PROGRAMMING AND	5989FR-3	10010-32400	PLANTF63R	34,285.37	$ -	$	-
FONTANA - RECY	SECURITY IMPROVEMENTS	6556FR-1	10010-37100	PLANTF63R	12,319.07	$ -	$	-
FONTANA - RECY	SECURITY IMPROVEMENTS	6556FR-2	10010-37100	PLANTF63R	35,096.34	$ -	$	-
LOS ANGELES	CONSTRUCT WELL BUILDING FOR WELLS 1B,1D, 1E AND	7661L-19	10010-31500	PLANT 1	341,796.52	$ 11,024.10	$	-
LOS ANGELES	Video log Well & repair & replace pump equipment Well 1D1D	9705L-01	10010-32400	PLANT 1	123,618.46	$ -	$	-
LOS ANGELES	Refurbish AC compressor	9803L-01	10010-32400	PLANT 1	5,189.64	$ -	$	-
LOS ANGELES	CONSTRUCT RESERVOIR NO. 1 EAST	7661L-17	10010-34200	PLANT 1	967,040.05	$ 83,260.49	$	-
LOS ANGELES	INSTALL RESERVOIR EAST PIPING	7661L-22	10010-34200	PLANT 1	212,589.58	$ 9,730.68	$	-
LOS ANGELES	Construct surface drainage structure	7661L-29	10010-34200	PLANT 1	36,739.45	$ -	$	-
LOS ANGELES	Purchase and install gate and gate opener	9766L-01	10010-32100	PLANT 11	13,333.11	$ -	$	-
LOS ANGELES	Site improvements	9766L-04	10010-32100	PLANT 11	5,101.69	$ -	$	-
LOS ANGELES	Install Allen Bradley soft starter for 11B5	9624L-01	10010-32400	PLANT 11	7,159.64	$ -	$	-
LOS ANGELES	Install OEM condenser fan motor and fan blade for AC unit	9804L-01	10010-32400	PLANT 11	2,029.18	$ -	$	-
LOS ANGELES	PURHASE & INSTALL 10" HITACHI SUBMERSIBLE MOTOR	9533L-1	10010-32400	PLANT 12	29,514.76	$ -	$	-
LOS ANGELES	Install Allen Bradley 100 HP Starter	9533L-2	10010-32400	PLANT 12	8,488.18	$ -	$	-
LOS ANGELES	Refurbish booster pump 12B1	9533L-3	10010-32400	PLANT 12	7,303.56	$ -	$	-
LOS ANGELES	Refurbish Hatachi submersible motor Serial No. 689096H	9581L-01	10010-32400	PLANT 13	30,959.35	$ -	$	-
LOS ANGELES	Site improvements	8372L-12	10010-33100	PLANT 8	232,623.39	$ 1,750.05	$	-
LOS ANGELES	INSTALL BOWL ASSEMBLY FOR WELL B11B	9515L-1	10010-32400	PLANT B11	40,557.71	$ -	$	-
LOS ANGELES	Purchase Tantung Premium Eff. 50 HP motor for airstripper	9780L-01	10010-33200	PLANT B11	3,579.17	$ -	$	-
LOS ANGELES	Install 200 HP U.S. Electrical Motor Serial No. C08-R488A-MA	9636L-01	10010-32400	PLANT B12	24,631.53	$ -	$	-
LOS ANGELES	Replace three-phase leads to electrical panel for B12B4	9636L-02	10010-32400	PLANT B12	6,005.78	$ -	$	-
LOS ANGELES	Install landscaping and irrigation	8915L-2	10010-32100	PLANT B17	170,596.18	$ -	$	-
LOS ANGELES	Survey radio connection	9594L-01	10010-32400	PLANT B20	3,507.92	$ -	$	-
LOS ANGELES	Refurbish wire feeding the motor breaker on B24B4	9832L-01	10010-32400	PLANT B24	1,384.99	$ -	$	-
LOS ANGELES	Acquire B28 Land	9590L-01	10010-30600	PLANT B28	237,961.33	$ -	$	-
LOS ANGELES	Install two 200 HP 480V Allen Bradley SMC Flex Soft Starters	9669L-03	10010-32400	PLANT B4	16,892.68	$ -	$	-
LOS ANGELES	INSTALL STANDARD RETRO CONTROLLER AND SUBMERSIBLE PUMP	9539L-1	10010-32400	PLANT B5	0.00	$ -	$	-
LOS ANGELES	Install Sulzer/ABS XFP submersible sump pump for sewage lift	9750L-01	10010-32400	PLANT B5	12,048.66	$ -	$	-
LOS ANGELES	Purchase2-Siemens 8" Mag 5100W w/Mag 5000 flow meter for GAC	9781L-01	10010-33200	PLANT B5	10,233.22	$ -	$	-
LOS ANGELES	PLANT B6 - REMODEL EXISTING BOOSTER BUILDING	8573L-1	10010-32100	PLANT B6	253,518.13	$ 4,880.00	$	-
LOS ANGELES	Install 2" high density pipe to supply gas to 4 furnaces	9582L-01	10010-33200	PLANT B6	15,355.47	$ -	$	-
LOS ANGELES	Replace Electrical Panel and install 1600 AMP breaker	9755L-01	10010-33200	PLANT B6	124,018.22	$ -	$	-
LOS ANGELES	Purchase and install Rosemount 8705 Flanged magnetic sensor	9768L-01	10010-33200	PLANT B6	4,348.12	$ -	$	-
LOS ANGELES	Purchase spare chemical pump for Acid Injection System	9785L-01	10010-33200	PLANT B6	2,000.80	$ -	$	-
FONTANA	PERFORM RADIO ANTENNA SRVY, INST TELEMETRY HARDWARE F10D	6554F-1	10010-32400	PLANT F10	30,950.95	$ -	$	-
FONTANA	Add an additional SCE service run on site	6706F-01	10010-32400	PLANT F10	1,460.23	$ -	$	-
FONTANA	Modify exist programming and logic on auto valve at Afterbay	6293F-3	10010-32400	PLANT F11	13,850.00	$ -	$	-
FONTANA	New exhaust "Y" on emergency generator	6727F-01	10010-32400	PLANT F13	5,637.47	$ -	$	-
FONTANA	Purchase and install A/C unit for D.E. unit #3 variable freq	6590F-1	10010-33200	PLANT F14	6,623.00	$ -	$	-
FONTANA	Troubleshoot PLC panel and replace analog output card	6622F-01	10010-33200	PLANT F14	1,805.03	$ -	$	-
FONTANA	Furnish and install compressor for hydrostation a/c unit	6623F-01	10010-33200	PLANT F14	2,932.49	$ -	$	-
FONTANA	Purchase and install 3 new LED lights above gravity filters	6707F-01	10010-37100	PLANT F14	4,575.99	$ -	$	-
FONTANA	Install new A/C System on Hydro Station	6737F-01	10010-37100	PLANT F14	16,518.41	$ -	$	-
FONTANA	SITE WORK INCLUDING NEW CURB AND GUTTER, ASPHALT	5312F-12	10010-32100	PLANT F15	859,211.00	$ 21,808.06	$	-
FONTANA	CONSTRUCT LANDSCAPING	5312F-16	10010-32100	PLANT F15	157,907.78	$ -	$	-
FONTANA	CONSTRUCT STREET IMPROVEMENT	5312F-17	10010-32100	PLANT F15	76,268.36	$ -	$	-
FONTANA	CONSTRUCT STORM DRAIN	5312F-15	10010-33100	PLANT F15	282,363.37	$ 84,455.65	$	-
FONTANA	INSTALL SITE DRAIN LINE	5312F-26	10010-34200	PLANT F15	6,269.33	$ -	$	-
FONTANA	DESIGN AND INSTALL AIR GAP TO RESERVOIR OVERFLOW	6381F-1	10010-34200	PLANT F20	95,390.35	$ -	$	-
FONTANA	Construct well building	6617F-01	10010-32100	PLANT F24	141,045.48	$ 4,680.00	$	-
FONTANA	Pull, inspect, repair and reinstall well F24A	6723F-01	10010-32400	PLANT F24	84,713.55	$ -	$	-
FONTANA	EQUIP WELL F31B	5712F-14	10010-31500	PLANT F31	426,236.35	$ -	$	-
FONTANA	CONSTRUCT STREET IMPROVEMENTS	5712F-26	10010-32100	PLANT F31	23,825.88	$ 3,082.48	$	-
FONTANA	CONSTRUCT BOOSTER BUILDING	5712F-8	10010-32100	PLANT F31	1,363,843.61	$ 79,592.72		
FONTANA	INSTALL 24" MAINLINE METER AND VAULT	5712F-22	10010-32400	PLANT F31	65,582.72	$ -	$	-
FONTANA	INSTALL BOOSTER PIPING	5712F-6	10010-32400	PLANT F31	341,791.51	$ -	$	-
FONTANA	INSTALL BOOSTER PUMPS	5712F-7	10010-32400	PLANT F31	361,614.61	$ -	$	-
FONTANA	INSTALL BOOSTER ELECTRICAL	5712F-9	10010-32400	PLANT F31	1,235,899.69	$ 4,140.00	$	-
FONTANA	CONSTRUCT 0.5 MG RESERVOIR (NORTH)	5712F-11	10010-34200	PLANT F31	1,149,999.19	$ 26,350.00	$	-
FONTANA	INSTALL RESERVOIR PIPING (NORTH)	5712F-12	10010-34200	PLANT F31	224,862.97	$ -	$	-
FONTANA	INSTALL NORTH RESERVOIR DRAINAGE PIPING AND BURPER	5712F-24	10010-34200	PLANT F31	213,529.13	$ -	$	-
FONTANA	INSTALL NORTH RESERVOIR PIPING FOR PHASE II	5712F-25	10010-34200	PLANT F31	640,304.82	$ -	$	-
FONTANA	INSTALL 1 - 6" FIRE HYDRANT	5712F-23	10010-34800	PLANT F31	16,907.42	$ -	$	-
FONTANA	Refurbish well F36A	6637F-01	10010-32400	PLANT F36	105,157.95	$ -	$	-

FONTANA	New compressor on A/C unit for booster	6721F-01	10010-32400	PLANT F53	5,030.61	$ -	$ -
FONTANA	CONSTRUCT SITE IMPROVEMENTS	5616F-14	10010-32100	PLANT F58	212,747.13	$ -	$ -
FONTANA	CONSTRUCT BOOSTER BUILDING	5616F-9	10010-32100	PLANT F58	1,304,246.25	$ 66,729.22	$ -
FONTANA	INSTALL BOOSTER PIPING	5616F-11	10010-32400	PLANT F58	517,851.51	$ -	$ -
FONTANA	Install nitrate analyzer and plumbing on well F7A	6705F-01	10010-32400	PLANT F7	35,462.46	$ -	$ -
LOS ANGELES	REPLACE BOWL ASSEMBLY ON BOOSTER PUMP G3B1	9503L-1	10010-32400	PLANT G3	29,633.48	$ -	$ -
LOS ANGELES	Replace bowl assembly on booster pump G3B2	9503L-2	10010-32400	PLANT G3	25,446.58	$ -	$ -
LOS ANGELES	Refurbish 75 HP USEM VSS Motor Serial No. 677120/X07X1600031	9503L-3	10010-32400	PLANT G3	3,386.65	$ -	$ -
LOS ANGELES	Install piping and fittings at effluent for M1B2	9619L-01	10010-32400	PLANT M1	1,822.74	$ -	$ -
LOS ANGELES	Survey radio connection	9593L-01	10010-32400	PLANT M2	3,507.92	$ -	$ -
LOS ANGELES	Install split case pump for W6B1	9769L-01	10010-32400	PLANT W6	21,899.66	$ -	$ -
LOS ANGELES	PROCURE TROJAN UVPHOX SYSTEM EQUIPMENT	8200L-2	10010-33200	PLANT W6	4,379,560.20	$ -	$ -
LOS ANGELES	OBTAIN DDW PERMIT FOR UV TREATMENT SYSTEM	8200L-7	10010-33200	PLANT W6	607.99	$ -	$ -
LOS ANGELES	PROCURE ION EXCHANGE TREATMENT EQUIPMENT & RESIN	9475L-1	10010-33200	PLANT W6	2,238,355.60	$ -	$ -
LOS ANGELES	INSTALL ION EXCHANGE TREATMENT SYSTEM	9475L-3	10010-33200	PLANT W6	1,395,358.69	$ 7,544.00	$ -
LOS ANGELES	Program SCADA comm. with Plant No. 1 to the corp. office	10057L-01	10010-32400	PLANT 1	1776.97	$ -	$ -
LOS ANGELES	Rehabilitate Well 1E - Bowl Assembly	9705L-02	10010-32400	PLANT 1	196976.21	$ -	$ -
LOS ANGELES	Refurbish 20" prop assembly meter	9872L-01	10010-32400	PLANT 1	3705.13	$ -	$ -
LOS ANGELES	Install 250 hp Allen Bradley Soft Starter to Well 1E	9875L-01	10010-32400	PLANT 1	12751.57	$ -	$ -
LOS ANGELES	Refurbish 1B1 discharge pipe	9887L-01	10010-32400	PLANT 1	3872.44	$ -	$ -
LOS ANGELES	Install security surveillance system	9766L-02	10010-32100	PLANT 11	31020.41	$ -	$ -
LOS ANGELES	Install electrical to gate opener	9766L-03	10010-32100	PLANT 11	3280.02	$ -	$ -
LOS ANGELES	CONSTRUCT RESERVOIR	7944L-2	10010-34200	PLANT 14	985108.03	$ 49,320.00	$ 10,045.00
LOS ANGELES	INSTALL RESERVOIR PIPING	7944L-4	10010-34200	PLANT 14	319127.78	$ 15,960.00	$ -
LOS ANGELES	INSTALL DRAIN PIPING AND RELATED APPURTENANCES	7944L-8	10010-34200	PLANT 14	63307.18	$ -	$ -
LOS ANGELES	Replace OEM Trane Fan motor for AC unit	10062L-01	10010-32400	PLANT 2	4316.52	$ -	$ -
LOS ANGELES	PERFORM SCADA PROGRAMMING	9481L-6	10010-32400	PLANT 2	39647.15	$ -	$ -
LOS ANGELES	Rehabilitate well 2D - Bowl Assemblies	9670L-01	10010-32400	PLANT 2	76992.99	$ -	$ -
LOS ANGELES	Rehabilitate well 2F - Bowl Assembly	9670L-02	10010-32400	PLANT 2	63413.96	$ -	$ -
LOS ANGELES	ION EXCHANGE TREATMENT SYSTEM INSTALLATION	9481L-4	10010-33100	PLANT 2	1568182.46	$ 4,875.00	$ 3,797.50
LOS ANGELES	ION EXCHANGE TREATMENT EQUIPMENT AND RESIN	9481L-2	10010-33200	PLANT 2	3256706.96	$ -	$ -
LOS ANGELES	DESIGN, PERMITTING AND RELATED WORK	9481L-3	10010-33200	PLANT 2	138377.44	$ 4,890.00	$ -
LOS ANGELES	INSTALL 55' -17=3/8" GWBR PIPE, 72'-6-5/8" GWBR PIPE	9481L-5	10010-33200	PLANT 2	84253.03	$ -	$ -
LOS ANGELES	Refurbish US 125 HP motor for 8B4	9848L-01	10010-32400	PLANT 8	21204.24	$ -	$ -
LOS ANGELES	Purchase and install new pump, column and shaft for Well 8C	9862L-01	10010-32400	PLANT 8	166512.31	$ -	$ -
LOS ANGELES	Refurbish 100 HP VHS Motor for Well 8C	9862L-02	10010-32400	PLANT 8	4929.66	$ -	$ -
LOS ANGELES	Install 12" check valve FLG - Lever & spring to Well E	9947L-01	10010-32400	PLANT 8	12458.33	$ -	$ -
LOS ANGELES	Program EAP series C-more 12" Graphical OIT	9949L-01	10010-32400	PLANT 8	6050	$ -	$ -
LOS ANGELES	Refurbish 125 HP VSS motor for 8B3 booster	9979L-01	10010-32400	PLANT 8	12728.89	$ -	$ -
LOS ANGELES	Additional work to complete site improvements	9861L-01	10010-33100	PLANT 8	104886.94	$ -	$ -
LOS ANGELES	Refurbish Air Stripper	10034L-01	10010-33200	PLANT 8	35686.72	$ -	$ -
LOS ANGELES	Install 16" PVC Y connection to Air Stripper	9841L-01	10010-33200	PLANT 8	35221.88	$ -	$ -
LOS ANGELES	Install VFD for Air Stripper Blower	9876L-01	10010-33200	PLANT 8	16501.35	$ -	$ -
LOS ANGELES	Purchase Tantung Premium Eff. 50 HP motor for airstripper	9780L-01	10010-33200	PLANT B11	0	$ -	$ -
LOS ANGELES	Refurbish refrigerant system for AC Unit	9859L-01	10010-32400	PLANT B12	2545.18	$ -	$ -
LOS ANGELES	Upgrade exist mechanical inlet mtr to digital meter register	9987L-01	10010-32400	PLANT B24	1007.89	$ -	$ -
LOS ANGELES	Install digital flow meter register to Well B25B	9877L-01	10010-32400	PLANT B25	965.28	$ -	$ -
LOS ANGELES	Install digital flow meter register to Well B26B	9877L-02	10010-32400	PLANT B26	965.28	$ -	$ -
LOS ANGELES	Install pump and submersible motor for B27B1	9787L-01	10010-32400	PLANT B27	44514.36	$ -	$ -
LOS ANGELES	Install pump and 50 HP submersible motor for B27B2	9787L-02	10010-32400	PLANT B27	44454.25	$ -	$ -
LOS ANGELES	Refurbish B5B6 motor	9842L-01	10010-32400	PLANT B5	11207.64	$ -	$ -
LOS ANGELES	Purchase and Install Allen Bradley SMC Flex Starter for B5B3	9842L-02	10010-32400	PLANT B5	11183.65	$ -	$ -
LOS ANGELES	Refurbish 400hp motor for Well B5E	9843L-01	10010-32400	PLANT B5	7824.33	$ -	$ -
LOS ANGELES	Inst bowl assmbly, pump, column, shafts & retainers Well B5E	9843L-02	10010-32400	PLANT B5	135887	$ -	$ -
LOS ANGELES	Refurbish US VHS 250 HP motor for Well D	9968L-01	10010-32400	PLANT B5	31024.84	$ -	$ -
LOS ANGELES	Replace digital meter for Well D	9986L-01	10010-32400	PLANT B5	1007.89	$ -	$ -
LOS ANGELES	Replace 1-16" butterfly valve and 16-8" joints at the IX	9930L-01	10010-33200	PLANT B5	89335.82	$ -	$ -
LOS ANGELES	STETSON PROVIDES REVIEW OF DECLINING GROUNDWATER	8981L-1	10010-31500	PLANT B6	75913.41	$ -	$ -
LOS ANGELES	PLANT B6 - REMODEL EXISTING BOOSTER BUILDING	8573L-1	10010-32100	PLANT B6	-10617.36	$ 4,880.00	$ -
LOS ANGELES	Refurbish B6B3 US VHS 200 Hp motor	9955L-01	10010-32400	PLANT B6	20578.96	$ -	$ -
LOS ANGELES	STETSON PROVIDES SERVICES TO COMPLETE & SUBMIT	8981L-2	10010-33200	PLANT B6	48494.48	$ -	$ -
LOS ANGELES	B6 PERCHLORATE IX SYSTEM VESSEL SLURRY OUT PIPE	9158L-1	10010-33200	PLANT B6	3169.63	$ -	$ -
LOS ANGELES	Refurbish impeller and bearings for airstripper #4	9782L-01	10010-33200	PLANT B6	33425.79	$ -	$ -
LOS ANGELES	Purchase second spare acid pump for Acid Injection System	9785L-02	10010-33200	PLANT B6	1947.96	$ -	$ -
LOS ANGELES	Install dual pressure switches for 4 air strippers	9823L-02	10010-33200	PLANT B6	11173.02	$ -	$ -
LOS ANGELES	Install VFD for B6B3	9874L-01	10010-33200	PLANT B6	10383.9	$ -	$ -
LOS ANGELES	Remove and replace air stripper #2 packing media	9899L-01	10010-33200	PLANT B6	117705.53	$ -	$ -
LOS ANGELES	Remove and replace air stripper #3 packing media .	9899L-02	10010-33200	PLANT B6	117705.52	$ -	$ -
LOS ANGELES	Purchase and install new packing material to air strippers	9899L-03	10010-33200	PLANT B6	63922.88	$ -	$ -
FONTANA	Pull, inspect and refurbish F10 Booster No. 2 pump	6613F-01	10010-32400	PLANT F10	18005.07	$ -	$ -
FONTANA	Install 12" meter and strainer on SWP supply line to Cemex	6803F-01	10010-34500	PLANT F11	21846.65	$ -	$ -
FONTANA	BOOSTER F13 B3 - INSTALL MOTOR	5830F-1	10010-32400	PLANT F13	2420.4	$ -	$ -
FONTANA	Refurbish 150 HP motor on Booster 4	6616F-01	10010-32400	PLANT F13	20125.96	$ -	$ -
FONTANA	Conduct necessary IT upgrades for Treatment superintendent o	6795F-02	10010-32400	PLANT F14	4145.54	$ -	$ -
FONTANA	Install 2 free-standing crane systems	6731F-01	10010-33100	PLANT F14	128592.96	$ -	$ -
FONTANA	Refurbish two light fixtures at the Chemical Structure area	6854F-01	10010-33100	PLANT F14	2444.48	$ -	$ -
FONTANA	Install sump pump and associated equipment	6614F-01	10010-33200	PLANT F14	13819.19	$ -	$ -
FONTANA	Refurbish flash mixer pump at F14	6698F-01	10010-33200	PLANT F14	5400.43	$ -	$ -
FONTANA	Purchase and install new kooltronic OEM blower motor for D.E	6717F-01	10010-33200	PLANT F14	2204.76	$ -	$ -
FONTANA	Refurbish block heater unit	6879F-01	10010-33200	PLANT F14	3924.55	$ -	$ -
FONTANA	Refurbish non-functionin SWP influent sleeve valve	6880F-01	10010-33200	PLANT F14	6665.98	$ -	$ -

FONTANA	Retrofit/remodel portion of existingbreak-room	6795F-01	10010-37100	PLANT F14	7718.54	$ -	$	-
FONTANA	Purchase office furniture for newly constructed Treatment	6795F-03	10010-37200	PLANT F14	5329.7	$ -	$	-
FONTANA	Install four new analog security PTZ cameras around F14 site	6845F-01	10010-37200	PLANT F14	17180.42	$ -	$	-
FONTANA	Install new fixed stationary kantech multi-technology	6898F-01	10010-37200	PLANT F14	1887.55	$ -	$	-
FONTANA	Install new chain link fence	6827F-01	10010-32100	PLANT F17	19488.56	$ -	$	-
FONTANA	Perform Zonal Chemistry Investigation on Well F2A	6611F-01	10010-31500	PLANT F2	46537.81	$ -	$	-
FONTANA	Purchase and install packer on well F2A	6611F-02	10010-31500	PLANT F2	176192.52	$ -	$	-
FONTANA	REFURBISH F2 BOOSTER NO.3	6491F-1	10010-32400	PLANT F2	14188.93	$ -	$	-
FONTANA	REFURBISH 75HP US VSS MOTOR S/N Y01X3100277R-2	6491F-2	10010-32400	PLANT F2	7473.05	$ -	$	-
FONTANA	Install new copper lines for well motor F2A	6793F-01	10010-32400	PLANT F2	24865.4	$ -	$	-
FONTANA	Refurbish F-2 Fill Valve Actuator	6838F-01	10010-32400	PLANT F2	6728.82	$ -	$	-
FONTANA	Remove security light poles on-site to install new wiring	6909F-01	10010-32100	PLANT F21	15887.96	$ -	$	-
FONTANA	Install 10, 5 foot deep by 18-inch round concrete anchors at	6908F-01	10010-33100	PLANT F23	10512.7	$ -	$	-
FONTANA	Refurbish discharge pit	6875F-01	10010-33200	PLANT F23	24898.5	$ -	$	-
FONTANA	Replace Variable Frequency drive on Well F27	6774F-01	10010-32400	PLANT F27	8520.82	$ -	$	-
FONTANA	Instl 24" valve on 30" well field line btwn Well F34A & F29A	6605F-01	10010-34300	PLANT F29	20973.63	$ -	$	-
FONTANA	Site Improvements	5712F-21	10010-32100	PLANT F31	873087.39	$ 52,144.88	$	-
FONTANA	CONSTRUCT LANDSCAPING	5712F-27	10010-32100	PLANT F31	105017.98	$ -	$	-
FONTANA	WELL F31B - INSTALL SCADA PROGRAMMING	5712F-17	10010-32400	PLANT F31	106688.22	$ -	$	-
FONTANA	Dry Utilities	5712F-30	10010-32400	PLANT F31	1796760.02	$ 9,342.48	$	-
FONTANA	INSTALL CHLORINATION EQUIPMENT	5712F-10	10010-33200	PLANT F31	12971.04	$ -	$	-
FONTANA	FURNISH AND INSTALL 600' OF 12" FUSIBLE C-900 PIPE	6525F-2	10010-34300	PLANT F32	67393.85	$ -	$	-
FONTANA	Perform Zonal Chemistry Investigation on Well F4A	6610F-01	10010-32400	PLANT F4	30436.59	$ -	$	-
FONTANA	Refurbish pickup motor, reinstall and test	6841F-01	10010-32400	PLANT F40	2600.51	$ -	$	-
FONTANA	Refurbish motor well F-40A	6841F-02	10010-32400	PLANT F40	5155.82	$ -	$	-
FONTANA	Pull pump, inspect, repair and replace materials to rehab we	6810F-01	10010-32400	PLANT F42	43979.75	$ -	$	-
FONTANA	Plant F-42A well motor repair	6810F-02	10010-32400	PLANT F42	5029.27	$ -	$	-
FONTANA	Refurbish Variable Frequency Drive on Well F42	6871F-01	10010-32400	PLANT F42	19863.47	$ -	$	-
FONTANA	Purchase and install packer on well F44B	6612F-02	10010-32400	PLANT F44	146861.03	$ -	$	-
FONTANA	Refurbish pump equipment on Well F44B	6763F-01	10010-32400	PLANT F44	185594.22	$ -	$	-
FONTANA	Purchase and install Kooltronic A/C unit on Well F49A	6600F-01	10010-32400	PLANT F49	12393.92	$ -	$	-
FONTANA	Refurbish Well F49A (Bowl Assembly)	6762F-01	10010-32400	PLANT F49	284827	$ -	$	-
FONTANA	Well Motor Repair for F-49A	6762F-02	10010-32400	PLANT F49	8330.62	$ -	$	-
FONTANA	CONSTRUCT STREET IMPROVEMENTS	5616F-15	10010-32100	PLANT F58	149722.11	$ -	$	-
FONTANA	LANDSCAPING	5616F-16	10010-32100	PLANT F58	92247.53	$ -	$	-
FONTANA	Site Improvements	5616F-24	10010-32100	PLANT F58	154731.39	$ 17,249.35	$	-
FONTANA	INSTALL BOOSTERS	5616F-10	10010-32400	PLANT F58	427622	$ -	$	-
FONTANA	INSTALL ELECTRICAL	5616F-12	10010-32400	PLANT F58	1120596.14	$ 5,470.00	$	-
FONTANA	INSTALL SCADA EQUIPMENT AND PROGRAMMING	5616F-13	10010-32400	PLANT F58	137843.66	$ -	$	-
LOS ANGELES	Replace prominent Gamma/X chlorine pump	9967L-01	10010-33200	PLANT G4	2433.12	$ -	$	-
LOS ANGELES	Overhaul 12" pressure reducing valve	9627L-01	10010-34300	PLANT M2	26317.84	$ -	$	-
LOS ANGELES	Install 100 HP rated Allen Bradley VFD	9881L-01	10010-32400	PLANT W1	23831.72	$ -	$	-
LOS ANGELES	Modify PLC program to integrate a VFD to W1B2	9980L-01	10010-32400	PLANT W1	12983.14	$ -	$	-
LOS ANGELES	INSTALL SCADA PROGRAMMING	9475L-5	10010-32400	PLANT W6	0	$ -	$	-
LOS ANGELES	Install split case pump for W6B3	9769L-02	10010-32400	PLANT W6	12611.27	$ -	$	-
LOS ANGELES	Refurbish US 100HP motor for W6B4	9964L-01	10010-32400	PLANT W6	20180.33	$ -	$	-
LOS ANGELES	Modify PLC program to integrate a VFD to W6B2	9980L-02	10010-32400	PLANT W6	12388.39	$ -	$	-
LOS ANGELES	PROCURE ION EXCHANGE TREATMENT EQUIPMENT & RESIN	9475L-1	10010-33200	PLANT W6	0	$ -	$	-
LOS ANGELES	DESIGN, PERMITTING AND RELATED WORK	9475L-2	10010-33200	PLANT W6	0	$ -	$	-
LOS ANGELES	INSTALL ION EXCHANGE TREATMENT SYSTEM	9475L-3	10010-33200	PLANT W6	0	$ 14,045.22	$	-
LOS ANGELES	CONSTRUCT REPLACEMENT PIPING	9475L-4	10010-33200	PLANT W6	0	$ -	$	-
LOS ANGELES	PROPOSITION 68 FUNDING APPLICATION FOR W6 PFOS &	9475L-9	10010-33200	PLANT W6	21871.17	$ -	$	-
LOS ANGELES	Install 100 HP rated Allen Bradley VFD	9880L-01	10010-33200	PLANT W6	23038.28	$ -	$	-
LOS ANGELES	Refurbish Well 1B-Bowl Assembly	10023L-01	10010-32400	PLANT 1	132,940.28	$ -	$	-
LOS ANGELES	Install two 750 gallon dual sodium hypochlorite tanks	10202L-01	10010-33200	PLANT 1	17,517.40	$ -	$	-
LOS ANGELES	Pave drainage area	10151L-01	10010-32100	PLANT 11	8,852.80	$ -	$	-
LOS ANGELES	Replace faulty motor for Well 11D	10134L-01	10010-32400	PLANT 11	10,692.86	$ -	$	-
LOS ANGELES	Install AC unit for electrical panels	9845L-01	10010-32400	PLANT 11	9,908.67	$ -	$	-
LOS ANGELES	Purchase a spare submersible booster pump and motor assembly	10210L-01	10010-32400	PLANT 13	43,882.22	$ -	$	-
LOS ANGELES	Install replacement booster station valves	7944L-10	10010-32400	PLANT 14	30,564.38	$ -	$	-
LOS ANGELES	RETROFIT EXISTING RESERVOIR	7944L-5	10010-34200	PLANT 14	1,091,860.00	$ 123,275.50	$	490.00
LOS ANGELES	Install additional tank to tank piping	7944L-9	10010-34200	PLANT 14	56,313.63	$ -	$	-
FONTANA	INSTALL NEW BATTERIES, VOLTAGE REGULATOR AND	6320F-1	10010-33200	PLANT 14	13,103.96	$ -	$	-
LOS ANGELES	Install roofing to production building	10126L-01	10010-32100	PLANT 2	10,080.53	$ -	$	-
LOS ANGELES	Refurbish 150HP Motor for Well 2D	10217L-01	10010-32400	PLANT 2	7,488.04	$ -	$	-
LOS ANGELES	Install roofing to treatment building	10126L-02	10010-33100	PLANT 2	4,770.00	$ -	$	-
LOS ANGELES	Site improvements	9481L-8	10010-33100	PLANT 2	176,808.34	$ 590.00	$	-
LOS ANGELES	Replace pressure transmitter for Vessel 270A	10118L-01	10010-33200	PLANT 2	3,138.34	$ -	$	-
LOS ANGELES	Install two aluminum gates	10121L-01	10010-32100	PLANT 8	35,514.76	$ -	$	-
LOS ANGELES	Refurbish the discharged head and shaft for Well 8F	10095L-01	10010-32400	PLANT 8	9,029.86	$ -	$	-
LOS ANGELES	Refurbish motor for 8B2 booster	10127L-01	10010-32400	PLANT 8	10,210.84	$ -	$	-
LOS ANGELES	Refurbish Well 8D motor	10160L-01	10010-32400	PLANT 8	10,750.52	$ -	$	-
LOS ANGELES	Refurbish Air Stripper	10034L-01	10010-33200	PLANT 8	-	$ -	$	-
LOS ANGELES	Refurbish air stripper blower motor	10144L-01	10010-33200	PLANT 8	9,295.48	$ -	$	-
LOS ANGELES	Replace air stripper Booster No. 1 pump	10165L-01	10010-33200	PLANT 8	54,291.04	$ -	$	-
LOS ANGELES	Replace pump bearings to Well B11B pump	10163L-01	10010-32400	PLANT B11	30,245.99	$ -	$	-
LOS ANGELES	Refurbish Well B11B pump motor	10182L-01	10010-32400	PLANT B11	8,774.61	$ -	$	-
LOS ANGELES	Install spare motor to Well B11B	9455L-2	10010-32400	PLANT B11	3,493.53	$ -	$	-
LOS ANGELES	Refurbish B12B3 pump	10203L-01	10010-32400	PLANT B12	38,127.79	$ -	$	-
LOS ANGELES	Install motor leads from starter cabinet to the motor for Bo	10219L-01	10010-32400	PLANT B12	3,250.42	$ -	$	-
LOS ANGELES	Refurbish Booster 2 and Booster 3	10225L-01	10010-32400	PLANT B12	20,763.30	$ -	$	-

LOS ANGELES	Refurbish Motor for Booster 3 at Plant B18	10221L-01	10010-32400	PLANT B18	3,396.80	$ -	$	-
LOS ANGELES	Refurbish backup generator	10249L-01	10010-32400	PLANT B20	4,083.64	$ -	$	-
LOS ANGELES	Install lead wires for electrical panels for booster station	10204L-01	10010-32400	PLANT B24	3,907.62	$ -	$	-
LOS ANGELES	REFURBISH WELL B25A MOTOR S/N 488538	9402L-1	10010-32400	PLANT B25	576.43	$ -	$	-
LOS ANGELES	Install pump and submersible motor B27B3	9787L-03	10010-32400	PLANT B27	44,441.50	$ -	$	-
LOS ANGELES	Retrieve suction case & perform gyroscopic survey w/9762L-04	9762L-03	10010-31500	PLANT B5	17,157.04	$ -	$	-
LOS ANGELES	Refurbish well casing for Well B5B	9762L-04	10010-31500	PLANT B5	13,120.95	$ -	$	-
LOS ANGELES	Video log well & inspect B5B pump associated w/9762L-05	9762L-01	10010-32400	PLANT B5	9,228.54	$ -	$	-
LOS ANGELES	Inspect and refurbish B5B motor no. K06-20051323-GT-01	9762L-02	10010-32400	PLANT B5	11,146.78	$ -	$	-
LOS ANGELES	Purchase and replace pump assembly for Well B5B	9762L-05	10010-32400	PLANT B5	171,583.86	$ -	$	-
LOS ANGELES	Wire brush and bail Well B5B associated w/9762L-05	9762L-06	10010-32400	PLANT B5	15,204.68	$ -	$	-
LOS ANGELES	Well motor lead wire replace. from elec. panel to welll	9762L-07	10010-32400	PLANT B5	24,423.73	$ -	$	-
LOS ANGELES	Refurbish emergency generator	9835L-01	10010-32400	PLANT B5	3,812.24	$ -	$	-
LOS ANGELES	Replace AC unit in the UV Building	10218L-01	10010-33100	PLANT B5	7,095.41	$ -	$	-
LOS ANGELES	Replace lead chlorine pump	10052L-01	10010-33200	PLANT B5	6,069.43	$ -	$	-
LOS ANGELES	Install 16-8" replacement expansion joints	10105L-01	10010-33200	PLANT B5	35,763.10	$ -	$	-
LOS ANGELES	Replace chlorine tanks	10158L-01	10010-33200	PLANT B5	21,180.32	$ -	$	-
LOS ANGELES	Install chlorine pump	10177L-01	10010-33200	PLANT B5	6,069.43	$ -	$	-
LOS ANGELES	Replace 1-16" butterfly valve and 16-8" joints at the IX	9930L-01	10010-33200	PLANT B5	-	$ -	$	-
LOS ANGELES	Install B6B1 bowl assembly	10011L-01	10010-32400	PLANT B6	24,816.62	$ -	$	-
LOS ANGELES	Refurbish B6B1 motor	10011L-02	10010-32400	PLANT B6	6,792.58	$ -	$	-
LOS ANGELES	Install 200 H.P. rated Allen Bradley soft starter for B6b3	9890L-01	10010-32400	PLANT B6	10,184.77	$ -	$	-
LOS ANGELES	Replace two Gamma X Acid Pumps for Air Stripper System	10214L-01	10010-33200	PLANT B6	5,807.21	$ -	$	-
LOS ANGELES	Purchase new VFD for Air Stripper #1 Blower	10227L-01	10010-33200	PLANT B6	13,208.68	$ -	$	-
LOS ANGELES	Purchase and install pump no. 2 and motor Franklin 15VR	9920L-01	10010-33200	PLANT B6	7,940.97	$ -	$	-
LOS ANGELES	Install new Franklin pump with 5.0 HP motor	9920L-02	10010-33200	PLANT B6	7,888.95	$ -	$	-
LOS ANGELES	Refurbish UV building crane tracks	9969L-01	10010-33200	PLANT B6	21,505.17	$ -	$	-
LOS ANGELES	Install chlorine pump	9991L-01	10010-33200	PLANT B6	5,531.36	$ -	$	-
FONTANA	Refurbish booster No. 5	6766F-01	10010-32400	PLANT F10	14,721.26	$ -	$	-
FONTANA	Refurbish booster No. 5 motor	6766F-02	10010-32400	PLANT F10	3,527.24	$ -	$	-
FONTANA	Refurbish booster No. 6	6767F-01	10010-32400	PLANT F10	14,721.26	$ -	$	-
FONTANA	Refurbish Booster No. 6 motor	6767F-02	10010-32400	PLANT F10	3,837.09	$ -	$	-
FONTANA	Refurbish F10C - 350 HP US VHS Motor SN P0801060716GT-01	6932F-01	10010-32400	PLANT F10	120,257.82	$ -	$	-
FONTANA	REPLACE 8-INCH BACKFLOW DEVICE ON PLANT F10 GAC	6539F-1	10010-33200	PLANT F10	11,917.64	$ -	$	-
FONTANA	DESIGN, PERMITTING AND RELATED WORK	6378F-1	10010-34200	PLANT F10	389,695.81	$ 5,275.00	$	-
FONTANA	Install 24" mainline meter and vault	6378F-18	10010-34200	PLANT F10	118,301.28	$ -	$	-
FONTANA	Install electrical for reservoir F10 east	6378F-19	10010-34200	PLANT F10	64,695.65	$ -	$	-
FONTANA	CONSTRUCT RESERVOIR F10 EAST	6378F-2	10010-34200	PLANT F10	3,688,896.98	$ 194,320.00	$	-
FONTANA	RESERVOIR PIPING	6378F-4	10010-34200	PLANT F10	1,200,965.46	$ 1,625.00	$	-
FONTANA	DRAINAGE PIPING	6378F-5	10010-34200	PLANT F10	165,235.05	$ 1,492.19	$	-
FONTANA	REMOVE AND REINSTALL 25HP MOTOR	6568F-1	10010-32400	PLANT F11	2,201.77	$ -	$	-
FONTANA	REFURBISH MOTOR S/N 10 7631400-0043	6568F-2	10010-32400	PLANT F11	6,525.46	$ -	$	-
FONTANA	REFURBISH WELL F13A Bowl Assembly	6423F-1	10010-32400	PLANT F13	99,852.64	$ -	$	-
FONTANA	MOTOR LEAD WIRE REPLACEMENT FROM ELECTRICAL PANEL TO WELL	6423F-2	10010-32400	PLANT F13	3,495.00	$ -	$	-
FONTANA	REFURBISH WELL F13B	6490F-1	10010-32400	PLANT F13	112,996.02	$ -	$	-
FONTANA	Refurbish existing AC Unit on booster panel	6751F-01	10010-32400	PLANT F13	1,524.90	$ -	$	-
FONTANA	Refurbish Motor	6927F-01	10010-32400	PLANT F13	13,344.91	$ -	$	-
FONTANA	F13 Booster No. 6 Motor repair	6975F-01	10010-32400	PLANT F13	19,696.16	$ -	$	-
FONTANA	F13 Booster No. 5 Motor repair	6976F-01	10010-32400	PLANT F13	19,696.16	$ -	$	-
FONTANA	REPAIR ROOF TO SMALL RESERVOIR	6514F-1	10010-34200	PLANT F13	5,887.78	$ -	$	-
FONTANA	Purchase and install 20" ultrasonic meter on mains to F14	6919F-01	10010-31600	PLANT F14	13,824.55	$ -	$	-
FONTANA	Network modification service to provide DE Plant water	6968F-01	10010-32400	PLANT F14	9,610.82	$ -	$	-
FONTANA	Refurbish faulty blower assembly and blower motor of rooftop	7044F-01	10010-33100	PLANT F14	6,142.53	$ -	$	-
FONTANA	Install potable water line for eye wash station	6738F-01	10010-33200	PLANT F14	3,539.29	$ -	$	-
FONTANA	Install 6" backflow assembly	6776F-01	10010-33200	PLANT F14	5,214.97	$ -	$	-
FONTANA	Purchase new 480v motor starter/thermal overload	6993F-01	10010-33200	PLANT F14	3,043.15	$ -	$	-
FONTANA	Security system upgrades	6895F-01	10010-37100	PLANT F14	23,421.74	$ -	$	-
FONTANA	New water pump and damper	6657F-01	10010-37200	PLANT F14	1,971.74	$ -	$	-
FONTANA	REFURBISH F15 BOOSTER 6	6492F-1	10010-32400	PLANT F15	27,798.05	$ -	$	-
FONTANA	Purchase and install conduit	6778F-02	10010-32400	PLANT F15	28,116.22	$ -	$	-
FONTANA	Replace damaged HP Communications, Inc. fiber & conduit	6952F-01	10010-32400	PLANT F15	72,226.67	$ -	$	-
FONTANA	Install custom surveillance	6778F-01	10010-37200	PLANT F15	34,589.82	$ -	$	-
FONTANA	Perform dynamic profile packer Re-Location on F17C	6913F-01	10010-31500	PLANT F17	220,597.74	$ -	$	-
FONTANA	REFURBISH 500HP MOTOR S/N J06-20024712-GT-03	6506F-1	10010-32400	PLANT F17	43,805.50	$ -	$	-
FONTANA	Booster number 4 rehabilitation	6729F-01	10010-32400	PLANT F17	17,353.88	$ -	$	-
FONTANA	Refurbish motor No. 4	6729F-02	10010-32400	PLANT F17	4,456.62	$ -	$	-
FONTANA	disassemble, inspect, replace pump equipment	6974F-01	10010-32400	PLANT F17	241,459.71	$ -	$	-
FONTANA	Refurbish pumping equipment - Well F2A	6777F-01	10010-32400	PLANT F2	89,188.78	$ -	$	-
FONTANA	Refurbish electrical wiring, lighting poles, new ground wire	6935F-01	10010-32100	PLANT F21	8,244.17	$ -	$	-
FONTANA	Install the downstream discharge piping on Boosters F21B4 an	6855F-01	10010-32400	PLANT F21	67,791.70	$ -	$	-
FONTANA	Purchase & install packer along "B" Horizon	6963F-01	10010-32400	PLANT F22	101,204.07	$ -	$	-
FONTANA	PERFORM A DELINEATING ZONAL FLOW AND CHEMISTRY	6475F-1	10010-31500	PLANT F23	53,454.96	$ -	$	-
FONTANA	Install Packer	6475F-2	10010-31500	PLANT F23	121,081.05	$ -	$	-
FONTANA	Bowl and Equipment	6475F-3	10010-32400	PLANT F23	121,594.23	$ -	$	-
FONTANA	Install CtaVal on Well F23A discharge	6475F-4	10010-32400	PLANT F23	6,465.90	$ -	$	-
FONTANA	REMOVE AND INSTALL WELL F23A MOTOR	6526F-1	10010-32400	PLANT F23	2,642.50	$ -	$	-
FONTANA	REFURBISH WELL F23A MOTOR	6526F-2	10010-32400	PLANT F23	44,529.63	$ -	$	-
FONTANA	Refurbish pumping equipment - Well F24A	6973F-01	10010-32400	PLANT F24	92,875.83	$ -	$	-
FONTANA	Refurbish AC compressor on Well F-28 electrical panel	6884F-01	10010-32400	PLANT F28	3,904.51	$ -	$	-
FONTANA	Pull, inspect, refurbish and test well F31A	6624F-01	10010-32400	PLANT F31	124,000.47	$ -	$	-
FONTANA	Install and configure custom designed surveillance	6860F-01	10010-32400	PLANT F31	41,318.79	$ -	$	-

FONTANA	Purchase Nitrate Analyzer for Well 31A Reservoir effluent	6903F-01	10010-33200	PLANT F31	36,605.16	$ -	$	-
FONTANA	Replace Variable Frequency drive on Well F33	6773F-01	10010-32400	PLANT F33	14,385.80	$ -	$	-
FONTANA	REFURBISH ROOF & FRAMING STRUCTURE	7016F-01	10010-37100	PLANT F36	11,637.77	$ -	$	-
FONTANA	Refurbish and reinstall pump Refurbish and reinstall pump	6752F-01	10010-32400	PLANT F4	33,762.37	$ -	$	-
FONTANA	Purchase and install packer on well F44B	6612F-02	10010-32400	PLANT F44	78,337.96	$ -	$	-
FONTANA	Refurbish Well F-44A	6835F-01	10010-32400	PLANT F44	338,344.51	$ -	$	-
FONTANA	Refurbish motor repair	6835F-02	10010-32400	PLANT F44	9,691.40	$ -	$	-
FONTANA	Refurbish Booster #1	6939F-01	10010-32400	PLANT F44	43,228.54	$ -	$	-
FONTANA	Adjust existing packer depth on well F44B align	6951F-01	10010-32400	PLANT F44	103,142.72	$ -	$	-
FONTANA	Purchase &install level transducers on F44A,F44B,F44C&F2A	7006F-01	10010-32400	PLANT F44	21,962.90	$ -	$	-
FONTANA	Refurbishing equipment on Well F44C	7013F-01	10010-32400	PLANT F44	161,433.35	$ -	$	-
FONTANA	DESIGN AND INSTALL AIR GAP	6380F-1	10010-34200	PLANT F44	100,158.83	$ -	$	-
FONTANA	Purchase and install Tank Mixer in F-46 reservoir	6869F-01	10010-34200	PLANT F46	18,651.91	$ -	$	-
FONTANA	REFURBISH GENERATOR	6498F-1	10010-32400	PLANT F47	7,331.48	$ -	$	-
FONTANA	INSTALL CLA-VAL AND LOWER BOWLS	6485F-1	10010-32400	PLANT F54	117,009.09	$ -	$	-
FONTANA	Installation and integration of custom designed surveillance	6896F-01	10010-32400	PLANT F58	26,206.64	$ -	$	-
FONTANA	Install 2-12" PSV stations at F59 and related piping	6387F-2	10010-32400	PLANT F59	542,378.01	$ -	$	-
FONTANA	Install permanent waste pipe to discharge pit on well F7B	6718F-01	10010-32400	PLANT F7	13,840.83	$ -	$	-
LOS ANGELES	Pull, inspect and refurbish M1 booster 2 motor	10190L-01	10010-32400	PLANT M1	8,202.71	$ -	$	-
LOS ANGELES	Replace starter for backup generator	10245L-01	10010-32400	PLANT M2	11,969.28	$ -	$	-
LOS ANGELES	DESIGN, PERMITTING AND RELATED WORK	9218L-1	10010-34200	PLANT M3	66,177.23	$ -	$	-
LOS ANGELES	CONSTRUCT RESERVOIR M3 EAST	9218L-10	10010-34200	PLANT M3	1,404,666.36	$ 73,400.77	$	-
LOS ANGELES	INSTALL PIPING TO EXISTING M3 RESERVOIR	9218L-5	10010-34200	PLANT M3	135,125.28	$ -	$	-
LOS ANGELES	INSTALL MAIN FROM LOS AMIGOS TO M3 PARCEL	9218L-3	10010-34300	PLANT M3	764,034.48	$ -	$	-
LOS ANGELES	Install pump assembly to W6D	10132L-02	10010-32400	PLANT W6	71,577.33	$ -	$	-
LOS ANGELES	Refurbish Booster 3 motor	10278L-01	10010-32400	PLANT 11	8,348.16	$ -	$	-
LOS ANGELES	Refurbish airstripper motor for Well 11B	10102L-01	10010-33200	PLANT 11	9,548.56	$ -	$	-
LOS ANGELES	PACKED TOWER - INSTALL 3000 GPM BOOSTER PUMP	9207L-1	10010-33200	PLANT 11	2,788.63	$ -	$	-
LOS ANGELES	SITE IMPROVEMENTS	7944L-7	10010-32100	PLANT 14	279,019.01	$ 3,595.00	$	-
LOS ANGELES	Install level transducers on wells 2D and 2F	10229L-01	10010-32400	PLANT 2	6,679.63	$ -	$	-
LOS ANGELES	Purchase and Install a new chlorine pump	10286L-01	10010-33200	PLANT 2	6,788.73	$ -	$	-
LOS ANGELES	Refurbish booster manifold	10155L-01	10010-32400	PLANT 6	6,718.59	$ -	$	-
LOS ANGELES	Install bowl assembly to 8B5 booster	10131L-01	10010-32400	PLANT 8	36,343.95	$ -	$	-
LOS ANGELES	Arc Flash Study on Electrical panels for wells and boosters	9703L-01	10010-32400	PLANT 8	12,128.94	$ -	$	-
LOS ANGELES	Replace Airstripper booster no. 2 motor	10166L-01	10010-33200	PLANT 8	10,728.27	$ -	$	-
LOS ANGELES	Refurbish 15HP VHS motor for B15B1 Ser.# Z117703145-0081M001	10061L-01	10010-32400	PLANT B15	11,960.98	$ -	$	-
LOS ANGELES	Replace VFD for B15B1 & B15B4	10061L-02	10010-32400	PLANT B15	34,793.81	$ -	$	-
LOS ANGELES	Install new VFD for Booster 1	10262L-01	10010-32400	PLANT B19	7,119.97	$ -	$	-
LOS ANGELES	Replace motherboard backup generator	10335L-01	10010-32400	PLANT B19	5,323.35	$ -	$	-
LOS ANGELES	INSTALL NEW DISCHARGE PIPING FOR BOOSTER B19B3	9259L-1	10010-32400	PLANT B19	1,045.28	$ -	$	-
LOS ANGELES	Replace 4 to 20 mA signal splitter for hydro plant	10277L-01	10010-32400	PLANT B24	2,671.18	$ -	$	-
LOS ANGELES	Arc Flash Study on Electrical panels for wells and boosters	9703L-03	10010-32400	PLANT B24	11,511.16	$ -	$	-
LOS ANGELES	Replace rotted fascia and reroof and paint building	10270L-01	10010-32100	PLANT B25	6,783.56	$ -	$	-
LOS ANGELES	Install level transducers on wells B4B and B4C	10229L-02	10010-32400	PLANT B4	5,853.49	$ -	$	-
LOS ANGELES	Refurbish Well B4B	9669L-01	10010-32400	PLANT B4	159,613.25	$ -	$	-
LOS ANGELES	Refurbish Well B4C	9669L-02	10010-32400	PLANT B4	147,914.76	$ -	$	-
LOS ANGELES	Install digital meter for B5E Well	10108L-01	10010-32400	PLANT B5	3,395.78	$ -	$	-
LOS ANGELES	Gate security improvements	10170L-01	10010-33100	PLANT B5	29,241.89	$ -	$	-
LOS ANGELES	Replace AC unit in the UV Building	10218L-01	10010-33100	PLANT B5	-	$ -	$	-
LOS ANGELES	Install security cameras throughout the facility	10220L-01	10010-33100	PLANT B5	47,098.61	$ -	$	-
LOS ANGELES	Purchase and install (4) Micron Filter Vessels	10081L-01	10010-33200	PLANT B5	656,683.91	$ -	$	-
LOS ANGELES	Purchase digital flow meter conversion kit	10224L-01	10010-33200	PLANT B5	1,170.78	$ -	$	-
LOS ANGELES	Purchase and install400A breaker for Booster #3	10273L-01	10010-32400	PLANT B6	8,238.25	$ -	$	-
LOS ANGELES	Arc Flash Study on Electrical panels for wells and boosters	9703L-02	10010-32400	PLANT B6	1,378.92	$ -	$	-
LOS ANGELES	Purchase & install 2 Brine tanks- B6 Nitrate Removal System	10187L-01	10010-33200	PLANT B6	219,642.09	$ -	$	-
LOS ANGELES	Install flow meter conversion kit for IX Vessel	10197L-01	10010-33200	PLANT B6	1,323.87	$ -	$	-
LOS ANGELES	Purchase chlorine pump	10252L-01	10010-33200	PLANT B6	6,181.79	$ -	$	-
LOS ANGELES	Purchase HF Scientific CLX Chlorine Analyzer Kit	10303L-01	10010-33200	PLANT B6	7,065.37	$ -	$	-
LOS ANGELES	Remove and replace air stripper #3 packing media .	9899L-04	10010-33200	PLANT B6	114,082.89	$ -	$	-
LOS ANGELES	Remove and replace air stripper #4 packing media .	9899L-05	10010-33200	PLANT B6	114,048.52	$ -	$	-
LOS ANGELES	Purchase packing material for Air stripper #3 & #4	9899L-06	10010-33200	PLANT B6	69,251.49	$ -	$	-
LOS ANGELES	Install new piping from well to discharge line	9689L-01	10010-31500	PLANT B7	5,785.97	$ -	$	-
LOS ANGELES	Install fence	9328L-3	10010-32100	PLANT B7	62,860.29	$ -	$	-
LOS ANGELES	Install 60' +/- 12-3/4" GWBR	9328L-2	10010-32400	PLANT B7	86,788.73	$ -	$	-
LOS ANGELES	Inspect condition of the existing Plant B7 Air Stripper and	9957L-01	10010-33200	PLANT B7	10,434.45	$ -	$	-
FONTANA	Refurbish F10C - 350 HP US VHS Motor SN P0601060716GT-01	6932F-01	10010-32400	PLANT F10	2,389.49	$ -	$	-
FONTANA	Install scaffolding system around exterior of reservoir &	6961F-01	10010-34200	PLANT F10	52,783.56	$ -	$	-
FONTANA	Refurbish F13 Booster #2	6967F-01	10010-32400	PLANT F13	61,936.33	$ -	$	-
FONTANA	Rehabilitate Booster No. 3 includes pulling the booster,	7047F-01	10010-32400	PLANT F13	26,986.90	$ -	$	-
FONTANA	Repair &reinstallation of faulty DE Plant sluice pump motor	7049F-01	10010-32400	PLANT F14	22,923.19	$ -	$	-
FONTANA	Purchase and install 10" backflow device	6581F-1	10010-34400	PLANT F14	8,164.16	$ -	$	-
FONTANA	Install chain link fence and gate	6790F-04	10010-32100	PLANT F18	23,344.87	$ -	$	-
FONTANA	Install 168 LF of 12-3/4" GWBR pipe	6790F-01	10010-32400	PLANT F18	77,697.10	$ -	$	-
FONTANA	Install 12" pressure reducing valve & related appurtenances	6790F-02	10010-32400	PLANT F18	210,684.54	$ -	$	-
FONTANA	Install 12" mainline meter & related appurtenances	6790F-03	10010-32400	PLANT F18	104,327.31	$ -	$	-
FONTANA	Pull well pump and inspect well casing, video log well	7060F-01	10010-32400	PLANT F29	17,492.33	$ -	$	-
FONTANA	Refurbish Well F31B	7007F-01	10010-32400	PLANT F31	411,525.14	$ -	$	-
FONTANA	Purchase Nitrate Analyzer for F31 Reservoir effluent	6888F-01	10010-33200	PLANT F31	41,265.09	$ -	$	-
FONTANA	Construction of water storage reservoir F31 (south)	7033F-01	10010-34200	PLANT F31	1,943,845.93	$ 52,153.63	$	-
FONTANA	Purchase and install packer on well F44A	6612F-03	10010-32400	PLANT F44	246,083.99	$ -	$	-
FONTANA	Purchase and install packer on well F44C	6612F-04	10010-32400	PLANT F44	459,625.20	$ -	$	-

FONTANA	Adj. exist. packer well F44B to new depth to increase water	6612F-05	10010-32400	PLANT F44	117,805.53	$ -	$ -
FONTANA	CONSTRUCT WELL BUILDING	6486F-1	10010-32100	PLANT F54	597,762.71	$ 11,527.58	$ -
FONTANA	DEMOLISH EXISTING SINGLE FAMILY RESIDENCE AND	5611F-4	10010-30600	PLANT F59	69,361.30	$ 4,270.00	$ -
LOS ANGELES	Pull and video log Well W1C	10003L-01	10010-32400	PLANT W1	14,795.00	$ -	$ -
LOS ANGELES	Install Flow Meter	9981L-02	10010-32400	PLANT W1	85,898.01	$ -	$ -
LOS ANGELES	Install control valve inside vaults	9981L-03	10010-32400	PLANT W1	142,422.04	$ -	$ -
LOS ANGELES	Install 140' +/- of 17-3/8" of GWBR	9981L-01	10010-34300	PLANT W1	329,637.66	$ -	$ -
LOS ANGELES	Rehab Well W6D	10132L-01	10010-32400	PLANT W6	17,335.41	$ -	$ -
LOS ANGELES	Install pump assembly for Well W6C	10179L-02	10010-32400	PLANT W6	116,920.34	$ -	$ -
LOS ANGELES	Purchase digital flow meter conversion kit	10194L-01	10010-32400	PLANT W6	1,170.78	$ -	$ -
LOS ANGELES	Install Pressure Sustaining Valves and expansion joints on P	9475L-7	10010-33200	PLANT W6	41,816.78	$ -	$ -

Attachment 2 (continued): MTN-014 Attachment 7

Note: This document is too lengthy to include here. Due to file size, the excel sheet is available via email.

To access relevant data, refer to the following:

Excel file:

"Attachment 2 (continued) - MTN-014 ATTACHMENT 7"

Sheet:

"Data Req #MTN-014 Attachment C"

Cells:

A1:E49059

ATTACHMENT 3: SGVWC's Response to Cal Advocates' Data Request MTN-006, with Attachments 3.a and 3.b

SAN GABRIEL VALLEY WATER COMPANY

March 21, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-006 (Capital Budgeting Services and Mains)**

Dear Mr. Aslam:

In response to your data request dated March 14, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Referring to the capital project budgets included in various exhibits (i.e., SG-13, SG-14, and SG-15), SGVWC includes the following cost categories: Inspection fee (3%), Management fee (4%), Overhead (19.6%).

a. Please provide:
   i. The basis for each of the three percentages above,
   ii. The scope of work that will be completed within each of the three categories above,
   iii. An explanation of which portions of the Inspection work and the Management work will be completed by outside contractors, and;
   iv. For each portion identified in Item 1(a)(iii), provide an explanation regarding why outside services are needed to complete the work.

b. A few of the project budgets also add Engineering and Design at 10%. Please explain why this generic cost basis is included in some project budgets, while others include a more project-specific engineering and design amount.

11142 GARVEY AVENUE • P.O. BOX 6010 • EL MONTE, CALIFORNIA 91734-2010 • (626) 448-6183 • Fax (626) 448-5530

RESPONSE NO. 1

a.

i. The percentages for Inspection fee (3%), Management fee (4%), and Overhead (19.6%) are based on historical data, best industry practices, and San Gabriel's extensive experience with similar capital projects.

ii. Scope of work:

- Inspection (3%): Quality assurance inspections, compliance monitoring, and material testing.
- Management (4%): Construction management oversight, project scheduling, budgeting, and inter-departmental coordination.
- Overhead (19.6%): Indirect costs including administrative support, transportation, warehousing expenses.

iii. Outside contractors:

- Inspection: Specialized environmental compliance, material testing, structural observations.
- Management: Complex project management requiring specialized external expertise.

iv. Reason for outside services: External services fulfill regulatory mandates for independent verification and provide specialized expertise not available internally, particularly in environmental compliance and technical evaluations. Structural observations are required by licensed structural engineers not employed by San Gabriel to verify construction in conformance with approved plans.

b. Generic Engineering and Design Cost (10%) is used for projects with pending detailed scopes for construction documents. These costs are usually included for projects that have already been permitted at a conceptual level and approved by the governing agency.

Projects that require governing agency approvals at the conceptual level are specifically listed in the project budgets with project-specific engineering and design estimates to account for the initial design and engineering work that needs to be done for agency approval. This work includes conceptual design work, payment of permitting fees and feasibility studies.

RESPONDING WITNESSES: Yucelen, Marroquin, Guzman

REQUEST NO. 2:
Referring to Exhibit SG-15, Attachments A (Los Angeles Division) and B (Fontana Division), pages 2 and 3, SGVWC discusses a target annual pipeline replacement rate at 1% of the system

(which correlates to approximately: 6 miles per year, or 24 miles for 2025-2028, for the Los Angeles Division; and 7 miles per year, or 28 miles for 20252028, for the Fontana Division). Page 3 of the same attachments includes forecasted replacements for 2025 through 2028. Forecasted replacements appear to be below the 1% target (forecasted at 17 miles for Los Angeles Division [~0.7% average annual replacement rate], and 17 miles for Fontana Division [~0.5% average annual replacement rate]). Please explain the significance of the 1% target replacement rate, and how it is used for the forecasted replacement amounts on page 3.

RESPONSE NO. 2

The 1% target annual pipeline replacement rate represents an industry-standard goal designed to renew the entire water infrastructure approximately every 100 years. It is critical for system reliability, efficiency, and public safety. Forecasted replacements below this target result from budget constraints and risk prioritization based on hydraulic modeling and historical data, focusing available resources on the most immediate and critical pipeline needs.

In 2019, utilities across North America were replacing between 1% and 4.8% of their pipelines annually, aligning with the typical lifecycle of water pipes. However, a 2018 study by Utah State University indicated that the average replacement rate was approximately 0.8% per year, suggesting a 125-year national replacement schedule, which is longer than the recommended 60- to 100-year lifespan for such infrastructure. This discrepancy highlights the need for increased investment in pipeline replacement to maintain water system reliability.

RESPONDING WITNESS: Guzman

REQUEST NO. 3:

Referring to Exhibit SG-15, please provide the following in Excel format:

a. Attachment A (Los Angeles Division), Enclosure 2: Cost Estimate

b. Attachment B (Fontana Division), Enclosure 2: Cost Estimate

RESPONSE NO. 3:
Refer to \MTN-006 ATTACHMENT 3.a.xlsx\ and \MTN-006 ATTACHMENT 3.b.xlsx\ for the requested information.

RESPONDING WITNESS: Guzman

REQUEST NO. 4:
Referring to Exhibit SG-15, page 18, please provide the basis for the following forecasted costs for Services (Account 345): $2,000,000 (2025), $2,500,000 (2026), $3,000,000 (2027), $3,500,000 (2028) along with supporting documentation.

RESPONSE NO. 4:

Forecasted costs reflect historical expenditures, anticipated customer growth, planned main replacement projects, and projected inflation in materials and labor. Supporting documentation and detailed evaluations are provided within Exhibits SG-13 and SG-15.

RESPONDING WITNESSES: Yucelen, Guzman

REQUEST NO. 5:
In its Workpapers, file "GRCWorkpapers – 2025.xlsx," tab "P2," SGVWC provides contributed plant in Row Nos. 230 (Los Angeles Division) and 482 (Fontana Division). Referring to the contributed plant amounts from 2022 through 2024 as an example, there is significant contributed funding recorded in Mains (Account 343), Services (Account 345), Fire Services (Account 345.1), and Fire Hydrants (Account 348) (i.e., over $4M for Los Angeles Division and $16M for Fontana Division).

Referring to SGVWC's January 2022 Application from the last General Rate Case (A.2201-003), and the capital budget which is provided in Exhibit SG-8, Attachment A, when examining the same four accounts (Mains, Services, Fire Services, and Fire Hydrants), for the same three-year time period (2022-2024), SGVWC's budget projects significantly less contributed funds ($0 for the Los Angeles Division, and $300,000 for the Fontana Division). Please:

a. Refer to the enclosed attachment, A2501001 Public Advocates DR MTN-006 Attachment A, and provide the following for each of the four accounts: all sources of contributed funds, and the annual amount contributed by each source (2022-2024).

b. Explain why most of the contributed funds identified in Item 5(a) were not forecasted in the capital budget from the last application (A.22-01-003, Exhibit SG-8, Attachment A).

c. Provide any reasons why the sources of contributed funds identified in Item 5(a) would not continue, during this GRC period (2025-2028), to contribute funding amounts comparable with the amounts identified in Item 5(a).

RESPONSE NO. 5:

a. Refer to \MTN-006 ATTACHMENT 5.xlsx\ for the requested information.

b. San Gabriel does not typically forecast projects funded by contributions unless/until the project is reasonably known and measurable, as these projects are entirely dependent upon the developer's construction schedules. San Gabriel has no control over when a developer will apply for water service and completes these project as and when requested by developers.

c. Sources of contributed funds listed in response to question 5(a) would not continue in this GRC period due to the projects being completed in the previous GRC cycle. Moreover, any forecast of contributions in aid of construction in a GRC would require

a commensurate forecast of the utility plant additions that the contributions are intended to fund.

RESPONDING WITNESS: Yucelen

REQUEST NO. 6:
Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-006 Attachment B, and provide the following data for each of the last ten years (2015-2024):

a. Year
b. Division (Los Angeles or Fontana)
c. SGVWC requested main pipeline replacement rate (%)
d. Commission adopted main pipeline replacement rate (%)
e. SGVWC completed main pipeline replacement rate (%)
f. Total completed main pipeline replacements (feet)
g. Total recorded for completed main pipeline replacement ($)
h. Amount recorded in the Mains Account (Account 343) for plant other than pipeline replacements ($)
i. Contributed portion of the amount recorded in the Mains Account (Account 343) for plant other than pipeline replacements ($)
j. A description of the recorded plant items included in the contributed spending in the previous column
k. Company-funded portion of the amount recorded in the Mains Account (Account 343) for plant other than pipeline replacements ($)
l. A description of the recorded plant items included in the company spending in the previous column

RESPONSE NO. 6:
Refer to \MTN-006 ATTACHMENT 6.xlsx\ for the requested information.

RESPONDING WITNESS: Yucelen, Guzman

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 3 (continued): MTN-006 Attachment 3.a

Pipeline Replacement	
Pipe Size	Unit Cost ($/ft)
6	270
8	300
12	370
16	400
24	420
0	0

Pipeline abandonment ($/ft)	5
Fire hydrant removal ($/EA)	600
Fire hydrant installation ($/EA)	12,100
Service lateral installation ($/EA)	2,200

Enclosure 2: LAC Pipeline Replacement Cost Estimate

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	SRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.6%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
COMMA BOULEVARD	1	1	COMMA BOULEVARD	1,759	7	AC	1952	6	8	$ -	$ 373	$ 6,592	$ 667,900	$ 424,495	$ 198,102	$ 697,824				
COMMA BOULEVARD	1	2	COMMA BOULEVARD	701	5	AC	1952	6	8	$ -	$ 373	$ 1,700	$ 261,400	$ 166,100	$ 98,346	$ 346,446				
COMMA BOULEVARD	1	3	COMMA BOULEVARD	95	1	AC	1978	6	8	$ -	$ 373	$ 230	$ 35,800	$ 22,750	$ 13,337	$ 46,987				
COMMA BOULEVARD	1	4	COMMA BOULEVARD	73	1	SL	UNK	0.625	8	$ -	$ 373	$ 177	$ 27,300	$ 17,350	$ 9,979	$ 35,166		$ 260,000		
BROADSTREET	2	1	BROADSTREET	463	3	AC	1935	4	6	$ -	$ 373	$ 2,963	$ 172,534	$ 113,925	$ 53,902	$ 168,361				
BROADSTREET	2	2	BROADSTREET	434	3	AC	1935	6	8	$ -	$ 373	$ 2,774	$ 161,896	$ 106,900	$ 50,538	$ 157,908				
BROADSTREET	2	3	BROADSTREET	92	1	SL	1976	0.625	8	$ -	$ 373	$ 588	$ 34,346	$ 22,680	$ 10,720	$ 33,488				
BROADSTREET	2	4	BROADSTREET	40	1	ST.	1902	4.5	6	$ -	$ 373	$ 260	$ 14,920	$ 9,850	$ 4,659	$ 14,554				
BROADSTREET	2	5	BROADSTREET	16	1	UNK	UNK	6	8	$ -	$ 373	$ 86	$ 5,920	$ 3,905	$ 1,847	$ 5,771				
HOUGHTON AVENUE	2	6	HOUGHTON AVENUE	233	3	AC	1935	4	6	$ -	$ 373	$ 1,489	$ 86,900	$ 57,350	$ 27,122	$ 84,761				
HOUGHTON AVENUE	2	7	HOUGHTON AVENUE	10	1	AC	1935	6	8	$ -	$ 373	$ 64	$ 3,900	$ 2,750	$ 1,165	$ 4,032		$ 450,000		
COLDWELL ROAD	3	1	COLDWELL ROAD	635	7	AC	1923	6	8	$ -	$ 373	$ 3,175	$ 236,900	$ 156,400	$ 72,872	$ 229,272				
NORENA STREET	3	2	NORENA STREET	297	7	AC	1923	4	6	$ -	$ 373	$ 2,227	$ 110,900	$ 73,150	$ 34,089	$ 107,239				
HOLLOWAY BLVD	3	3	HOLLOWAY BLVD	301	4	AC	1953	4	6	$ -	$ 373	$ 4,516	$ 224,900	$ 148,400	$ 69,145	$ 217,545				
WARREN BLVD	3	4	WARREN BLVD	425	5	AC	1953	4	6	$ -	$ 373	$ 6,375	$ 317,500	$ 209,500	$ 97,604	$ 307,104	$ 1,210,000			
ELDER STREET	4	1	ELDER STREET	2,700	3	AC	1948	4	6	$ -	$ 373	$ 40,500	$ 2,017,300	$ 1,331,000	$ 620,226	$ 1,951,226				
ELDER STREET	4	2	ELDER STREET	73	1	ST.	1938	4.5	6	$ -	$ 373	$ 731	$ 41,900	$ 27,650	$ 13,121	$ 41,271				
ELDER STREET	4	3	ELDER STREET	17	1	SL	1902	4.5	6	$ -	$ 373	$ 161	$ 9,300	$ 6,135	$ 2,911	$ 9,161				
VANDORT AVENUE	4	4	VANDORT AVENUE	461	4	AC	1948	4	6	$ -	$ 373	$ 5,993	$ 292,400	$ 192,925	$ 89,923	$ 282,847	$ 1,210,000			
MERCED AVENUE	5	1	MERCED AVENUE	285	5	ST.	1938	4	6	$ -		$ 2,993	$ -	$ 2,993	$ 1,395	$ 4,388				
MERCED AVENUE	5	2	MERCED AVENUE	424	3	AC	1948	6	8	$ -	$ 373	$ 2,968	$ -	$ 2,130	$ 993	$ 3,123				
MERCED AVENUE	5	3	MERCED AVENUE	15	1	ST.	1978	0.625	8	$ -	$ 373	$ 72	$ -	$ 75	$ 35	$ 110				
MERCED AVENUE	5	4	MERCED AVENUE	219	2	AC	1934	6	8	$ -	$ 373	$ 2,190	$ -	$ 2,295	$ 1,070	$ 3,365	$ 9,000			
FAIRGROVE AVENUE	6	1	FAIRGROVE AVENUE	201	2	AC	1934	4	8	$ -	$ 373	$ 2,362	$ 125,300	$ 82,830	$ 38,607	$ 123,437				
FAIRGROVE AVENUE	6	2	FAIRGROVE AVENUE	48	1	ST.	1902	4.5	8	$ -	$ 373	$ 422	$ 22,000	$ 13,112	$ 6,112	$ 19,227				
WALSH AVE	6	3	WALSH AVE	495	2	AC	1965	4	8	$ -	$ 373	$ 5,775	$ 248,900	$ 156,000	$ 72,696	$ 228,696				
WALSH AVE	6	4	WALSH AVE	87	1	SL	1902	4.5	8	$ -	$ 373	$ 783	$ 34,200	$ 21,450	$ 9,997	$ 31,447	$ 100,000			
LIVINGSTON AVENUE	7	1	LIVINGSTON AVENUE	659	7	AC	1965	4	8	$ -	$ 373	$ 7,249	$ 260,900	$ 196,250	$ 91,501	$ 287,751				
W. HOWARD ST	7	2	W. HOWARD ST	353	5	AC	1958	8	12	$ -	$ 373	$ 3,968	$ 131,836	$ 156,625	$ 73,009	$ 229,634		$ 625,000		
BATTERY AVENUE	8	1	BATTERY AVENUE	1,194	5	AC	1947	6	8	$ -	$ 373	$ 6,270	$ 326,900	$ 387,480	$ 180,641	$ 568,121				
BATTERY AVENUE	8	2	BATTERY AVENUE	34	0	ST.	1902	4.5	8	$ -	$ 373	$ 170	$ 7,900	$ 5,100	$ 2,377	$ 7,477				
BURDETT AVENUE	8	3	BURDETT AVENUE	886	5	AC	1947	6	8	$ -	$ 373	$ 4,430	$ 235,200	$ 243,950	$ 113,741	$ 357,691				
BURDETT AVENUE	8	4	BURDETT AVENUE	15	1	ST.	1902	0.625	8	$ -	$ 373	$ 112	$ 6,200	$ 6,825	$ 3,182	$ 10,007				
MUSCATEL AVENUE	8	5	MUSCATEL AVENUE	1,194	5	AC	1947	6	8	$ -	$ 373	$ 6,270	$ 326,900	$ 387,480	$ 180,641	$ 568,121				
MUSCATEL AVENUE	8	6	MUSCATEL AVENUE	24	1	ST.	1902	0.625	8	$ -	$ 373	$ 120	$ 7,200	$ 7,350	$ 3,427	$ 10,777	$ 1,527,000			

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	SRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.6%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
ROSEMEAD STREET	9	1	ROSEMEAD STREET	493	4	AC	1953	6	8	$ -	$ 373	$ 3,945	$ 183,900	$ 168,925	$ 78,744	$ 247,669				
CENTRAL AVENUE	9	2	CENTRAL AVENUE	48	2	AC	1923	8	8	$ -	$ 373	$ 384	$ 14,400	$ 14,940	$ 6,962	$ 21,902				
CENTRAL AVENUE	9	3	CENTRAL AVENUE	91	1	AC	1926	8.625	8	$ -	$ 373	$ 91	$ 2,900	$ 3,650	$ 1,700	$ 5,350				
CENTRAL AVENUE	9	4	CENTRAL AVENUE	141	2	AC	UNK	8	8	$ -	$ 373	$ 705	$ 42,900	$ 43,035	$ 20,056	$ 63,092				
DORELA AVENUE	9	5	DORELA AVENUE	233	7	AC	1923	6	8	$ -	$ 373	$ 1,865	$ 28,000	$ 30,950	$ 14,422	$ 45,372				
DORELA AVENUE	9	6	DORELA AVENUE	5	1	ST.	1923	0.625	8	$ -	$ 373	$ 35	$ 1,600	$ 1,950	$ 908	$ 2,858				
ELDER AVENUE	9	7	ELDER AVENUE	9	2	SL	1949	8	8	$ -	$ 373	$ 81	$ 1,600	$ 1,950	$ 908	$ 2,858				
ELDER AVENUE	9	8	ELDER AVENUE	371	4	AC	1953	4	6	$ -	$ 373	$ 5,565	$ 257,900	$ 183,225	$ 85,385	$ 268,610				
ELDER AVENUE	9	9	ELDER AVENUE	140	3	AC	1957	4	6	$ -	$ 373	$ 980	$ 51,200	$ 36,050	$ 16,800	$ 52,850				
ELDER AVENUE	9	10	ELDER AVENUE	37	1	SL	1957	4	6	$ -	$ 373	$ 259	$ 7,200	$ 9,525	$ 4,438	$ 13,963	$ 350,000			
CENTRAL AVENUE	10	1	CENTRAL AVENUE	46	1	AC	1948	4	8	$ -	$ 373	$ 230	$ 12,900	$ 14,950	$ 6,968	$ 21,918				
CENTRAL AVENUE	10	2	CENTRAL AVENUE	403	4	AC	1953	4	8	$ -	$ 373	$ 5,845	$ 270,900	$ 174,765	$ 81,441	$ 256,206				
CENTRAL AVENUE	10	3	CENTRAL AVENUE	15	1	AC	1953	8	8	$ -	$ 373	$ 45	$ 2,900	$ 3,644	$ 1,698	$ 5,342				
CENTRAL AVENUE	10	4	CENTRAL AVENUE	1,270	3	AC	1938	8	8	$ -	$ 373	$ 6,985	$ 388,700	$ 330,035	$ 153,784	$ 483,819				
CENTRAL AVENUE	10	5	CENTRAL AVENUE	23	1	AC	1972	8	8	$ -	$ 373	$ 104	$ 6,000	$ 6,130	$ 2,856	$ 8,986				
CENTRAL AVENUE	10	6	CENTRAL AVENUE	32	1	AC	1975	8	8	$ -	$ 373	$ 144	$ 6,800	$ 8,790	$ 4,096	$ 12,886				
CENTRAL AVENUE	10	7	CENTRAL AVENUE	37	1	SL	1902	0.625	8	$ -	$ 373	$ 185	$ 11,100	$ 11,285	$ 5,258	$ 16,543				
CENTRAL AVENUE	10	8	CENTRAL AVENUE	25	1	AC	UNK	4	8	$ -	$ 373	$ 112	$ 7,000	$ 7,662	$ 3,569	$ 11,231				
HARVEY AVENUE ALLEY	10	9	HARVEY AVENUE ALLEY	202	7	AC	1926	6	8	$ -	$ 373	$ 2,706	$ 167,400	$ 170,100	$ 79,206	$ 249,306				
CANCHA AVENUE ALLEY	10	10	CANCHA AVENUE (ALLEY)	15	1	SL	1965	0.625	8	$ -	$ 373	$ 38	$ 2,400	$ 2,900	$ 1,351	$ 4,251				
CANCHA AVENUE ALLEY	10	11	CANCHA AVENUE (ALLEY)	15	1	SL	1965	0.625	8	$ -	$ 373	$ 38	$ 2,400	$ 2,900	$ 1,351	$ 4,251	$ 1,295,000			
CHESTER STREET	11	1	CHESTER STREET	282	4	AC	1952	4	6	$ -	$ 373	$ 3,667	$ 181,900	$ 94,900	$ 44,223	$ 139,123				
CHESTER STREET	11	2	CHESTER STREET	646	4	AC	1952	4	6	$ -	$ 373	$ 8,398	$ 416,500	$ 217,350	$ 101,270	$ 318,620				
CHESTER STREET	11	3	CHESTER STREET	196	4	AC	1953	4	6	$ -	$ 373	$ 2,548	$ 126,400	$ 65,975	$ 30,739	$ 96,714				
CHESTER STREET	11	4	CHESTER STREET	397	5	AC	1954	4	6	$ -	$ 373	$ 6,358	$ 272,200	$ 207,225	$ 96,562	$ 303,787				
DUCHESS DRIVE	11	5	DUCHESS DRIVE	6	1	ST.	1928	4.5	6	$ -	$ 373	$ 36	$ 1,600	$ 1,950	$ 908	$ 2,858				
ELINGARY AVENUE	11	6	ELINGARY AVENUE	42	3	CI	1948	6	8	$ -	$ 373	$ 546	$ 18,900	$ 18,720	$ 8,722	$ 27,442				
ELINGARY AVENUE	11	7	ELINGARY AVENUE	178	3	AC	1953	4	8	$ -	$ 373	$ 890	$ 47,100	$ 48,400	$ 22,554	$ 70,954				
ELINGARY AVENUE	11	8	ELINGARY AVENUE	4	1	CI	1923	6	8	$ -	$ 373	$ 20	$ 1,000	$ 1,100	$ 513	$ 1,613				
ELINGARY AVENUE	11	9	ELINGARY AVENUE	462	5	AC	1932	4	6	$ -	$ 373	$ 2,310	$ 124,000	$ 127,050	$ 59,202	$ 186,252				
ELINGARY AVENUE	11	10	ELINGARY AVENUE	14	1	ST.	1932	4.5	6	$ -	$ 373	$ 70	$ 3,700	$ 3,850	$ 1,794	$ 5,644				
ELINGARY AVENUE	11	11	ELINGARY AVENUE	12	1	SL	1978	0.5	6	$ -	$ 373	$ 60	$ 3,600	$ 3,300	$ 1,538	$ 4,838				
VIOLA AVENUE	11	12	VIOLA AVENUE	470	4	AC	1953	4	6	$ -	$ 373	$ 2,820	$ 139,000	$ 142,100	$ 66,209	$ 208,309				
VIOLA AVENUE	11	13	VIOLA AVENUE	133	3	AC	1952	4	6	$ -	$ 373	$ 665	$ 33,000	$ 36,575	$ 17,044	$ 53,619				
VIOLA AVENUE	11	14	VIOLA AVENUE	12	1	SL	1978	0.5	6	$ -	$ 373	$ 60	$ 3,600	$ 3,300	$ 1,538	$ 4,838				
VIOLA AVENUE	11	15	VIOLA AVENUE	17	1	SL	1902	0.625	6	$ -	$ 373	$ 85	$ 4,900	$ 4,675	$ 2,179	$ 6,854	$ 1,295,000			

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	SRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.8%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
FORTY NINTH	12	1	FORTY NINTH	359	5	ST.	1958	6	8	$ -	$ 333	$ 9,965	$ 239,300	$ 249,265	$ 116,700	$ 365,965				
FORTY NINTH	12	2	FORTY NINTH	54	3	AC	1945	6	8	$ -	$ 333	$ 476	$ 28,800	$ 29,276	$ 13,700	$ 42,976				
FORTY NINTH	12	3	FORTY NINTH	67	1	ST.	1972	6.625	8	$ -	$ 333	$ 582	$ 20,100	$ 20,682	$ 9,700	$ 30,382				
FORTY NINTH	12	4	FORTY NINTH	24	1	ST.	1934	4.5	8	$ -	$ 333	$ 126	$ 7,200	$ 7,326	$ 3,400	$ 10,726				
FORTY NINTH	12	5	FORTY NINTH	33	1	ST.	1937	6.625	8	$ -	$ 333	$ 174	$ 9,900	$ 10,074	$ 4,700	$ 14,774				
FORSYTH	13	1	FORSYTH	22	1	ST.	2008	6.625	6	$ -	$ 273	$ 116	$ 5,940	$ 6,056	$ 2,800	$ 8,856	$ 8,900			
EDER AVENUE	14	1	EDER AVENUE	642	3	AC	1947	4	6	$ -	$ 273	$ 3,424	$ 175,446	$ 178,870	$ 83,700	$ 262,570				
MINERS BOULEVARD	14	2	MINERS BOULEVARD	68	1	AC	1963	6	8	$ -	$ 333	$ 361	$ 20,400	$ 20,761	$ 9,700	$ 30,461				
MINERS BOULEVARD	14	3	MINERS BOULEVARD	935	3	AC	1963	6	8	$ -	$ 333	$ 4,968	$ 311,355	$ 316,323	$ 148,100	$ 464,423				
MINERS BOULEVARD	14	4	MINERS BOULEVARD	26	1	AC	1963	6	8	$ -	$ 333	$ 138	$ 8,700	$ 8,838	$ 4,100	$ 12,938				
MINERS BOULEVARD	14	5	MINERS BOULEVARD	63	1	ST.	1987	6.625	8	$ -	$ 333	$ 482	$ 27,405	$ 28,186	$ 13,200	$ 41,386				
MINERS BOULEVARD	14	6	MINERS BOULEVARD	32	1	ST.	1984	6.625	8	$ -	$ 333	$ 245	$ 13,900	$ 14,145	$ 6,600	$ 20,745				
MINERS BOULEVARD	14	7	MINERS BOULEVARD	52	1	ST.	1974	4.5	8	$ -	$ 333	$ 91	$ 5,400	$ 5,491	$ 2,600	$ 8,091				
MINERS BOULEVARD	14	8	MINERS BOULEVARD	167	3	AC	JNK	4	8	$ -	$ 333	$ 382	$ 26,100	$ 26,482	$ 12,400	$ 38,882				
ROSEHEDGE DRIVE	14	9	ROSEHEDGE DRIVE	245	4	AC	1947	4	6	$ -	$ 273	$ 1,372	$ 63,945	$ 65,317	$ 30,600	$ 95,917		$ 1,000,000		
MORRILL AVENUE	15	1	MORRILL AVENUE	753	4	AC	1934	4	6	$ -	$ 273	$ 3,972	$ 214,624	$ 218,596	$ 102,400	$ 320,996				
MORRILL AVENUE	15	2	MORRILL AVENUE	12	1	ST.	2019	4.5	6	$ -	$ 273	$ 66	$ 3,240	$ 3,306	$ 1,500	$ 4,806				
VICO DRIVE	15	3	VICO DRIVE	736	4	AC	1934	4	6	$ -	$ 273	$ 3,886	$ 224,888	$ 228,850	$ 107,200	$ 336,050				
VICO DRIVE	15	4	VICO DRIVE	12	1	ST.	2021	4.5	6	$ -	$ 273	$ 66	$ 3,240	$ 3,306	$ 1,500	$ 4,806		$ 982,300		
MAIN AVENUE	15	1	MAIN AVENUE	691	3	AC	1955	6	8	$ -	$ 333	$ 4,607	$ 288,705	$ 293,312	$ 137,400	$ 430,712				
MAIN AVENUE	15	2	MAIN AVENUE	68	2	AC	1957	6	8	$ -	$ 333	$ 454	$ 28,440	$ 28,894	$ 13,529	$ 42,423				
MAIN AVENUE	15	3	MAIN AVENUE	285	2	AC	1963	6	8	$ -	$ 333	$ 1,900	$ 119,070	$ 120,970	$ 56,600	$ 177,570				
MAIN AVENUE	15	4	MAIN AVENUE	15	1	AC	1977	6	8	$ -	$ 333	$ 73	$ 4,905	$ 4,978	$ 2,330	$ 7,308				
MAIN AVENUE	15	5	MAIN AVENUE	10	1	ST.	1988	6.625	8	$ -	$ 333	$ 46	$ 3,330	$ 3,376	$ 1,581	$ 4,957				
MAIN AVENUE	15	6	MAIN AVENUE	5	1	ST.	2013	6.625	8	$ -	$ 333	$ 23	$ 1,665	$ 1,688	$ 790	$ 2,478				
TURNBULL CANYON ROAD	15	7	TURNBULL CANYON ROAD	364	2	AC	1935	6	8	$ -	$ 333	$ 1,820	$ 121,212	$ 123,032	$ 57,600	$ 180,632				
TURNBULL CANYON ROAD	15	8	TURNBULL CANYON ROAD	268	2	AC	1936	6	8	$ -	$ 333	$ 1,340	$ 89,244	$ 90,584	$ 42,400	$ 132,984				
TURNBULL CANYON ROAD	15	9	TURNBULL CANYON ROAD	224	2	AC	1938	6	8	$ -	$ 333	$ 1,120	$ 74,592	$ 75,712	$ 35,400	$ 111,112				
TURNBULL CANYON ROAD	15	10	TURNBULL CANYON ROAD	429	3	AC	1963	6	8	$ -	$ 333	$ 2,682	$ 178,557	$ 181,239	$ 84,800	$ 266,039				
TURNBULL CANYON ROAD	15	11	TURNBULL CANYON ROAD	17	1	ST.	1978	6.625	8	$ -	$ 333	$ 85	$ 5,661	$ 5,746	$ 2,689	$ 8,435				
TURNBULL CANYON ROAD	15	12	TURNBULL CANYON ROAD	15	1	AC	1988	6	8	$ -	$ 333	$ 75	$ 4,995	$ 5,070	$ 2,372	$ 7,442				
TURNBULL CANYON ROAD	15	13	TURNBULL CANYON ROAD	32	1	ST.	1988	6.625	8	$ -	$ 333	$ 160	$ 10,656	$ 10,816	$ 5,061	$ 15,877				
TURNBULL CANYON ROAD	15	14	TURNBULL CANYON ROAD	1	1	ST.	2013	6.625	8	$ -	$ 333	$ 5	$ 333	$ 338	$ 158	$ 496		$ 1,250,000		

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	SRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.8%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
BLUE SKY ROAD	17	1	BLUE SKY ROAD	2,265	4	AC	1978	8	8	$ -	$ 333	$ 15,855	$ 377,055	$ 392,910	$ 183,900	$ 576,810		$ 1,654,400		
BLUE SKY ROAD	17	2	BLUE SKY ROAD	46	1	ST.	1979	8.625	8	$ -	$ 333	$ 276	$ 15,804	$ 16,080	$ 7,528	$ 23,608				
BLUE SKY ROAD	17	3	BLUE SKY ROAD	10	1	ST.	1983	8.625	8	$ -	$ 333	$ 70	$ 3,330	$ 3,400	$ 1,591	$ 4,991				
HOLLY TREE ROAD	17	4	HOLLY TREE ROAD	675	3	ST.	1935	4.5	6	$ -	$ 273	$ 3,375	$ 180,225	$ 183,600	$ 85,900	$ 269,500				
HOLLY TREE ROAD	17	5	HOLLY TREE ROAD	34	3	ST.	1978	6.625	6	$ -	$ 273	$ 170	$ 9,282	$ 9,452	$ 4,400	$ 13,852				
HOLLY TREE ROAD	17	6	HOLLY TREE ROAD	28	2	ST.	1989	4.5	6	$ -	$ 273	$ 280	$ 15,876	$ 16,156	$ 7,600	$ 23,756				
HOLLY TREE ROAD	17	7	HOLLY TREE ROAD	14	1	ST.	2018	4.5	6	$ -	$ 273	$ 70	$ 3,780	$ 3,850	$ 1,800	$ 5,650				
HOLLY TREE ROAD	17	8	HOLLY TREE ROAD	10	1	ST.	JNK	4	6	$ -	$ 273	$ 50	$ 2,700	$ 2,750	$ 1,300	$ 4,050		$ 1,250,000		
INGROV. AVENUE	18	1	INGROV. AVENUE	797	2	AC	1962	6	0	$ -	$ -	$ 1,195	$ -	$ 1,195	$ 560	$ 1,755				
INGROV. AVENUE	18	2	INGROV. AVENUE	1018	2	ST.	1962	25	12	$ -	$ 333	$ 3,264	$ 112,000	$ 115,264	$ 53,971	$ 169,235				
PALM AVENUE	18	1	PALM AVENUE	190	2	AC	1937	6	0	$ -	$ -	$ 285	$ -	$ 285	$ 133	$ 418				
PALM AVENUE	18	4	PALM AVENUE	489	2	AC	1958	6	0	$ -	$ -	$ 1,468	$ -	$ 1,468	$ 687	$ 2,156				
PALM AVENUE	18	5	PALM AVENUE	482	2	AC	1963	8	0	$ -	$ -	$ 1,447	$ -	$ 1,447	$ 678	$ 2,125				
PALM AVENUE	18	6	PALM AVENUE	15	2	ST.	1983	8.625	0	$ -	$ -	$ 23	$ -	$ 23	$ 11	$ 34				
PALM AVENUE	18	7	PALM AVENUE	322	3	AC	1981	8	0	$ -	$ -	$ 1,610	$ -	$ 1,610	$ 754	$ 2,364				
PALM AVENUE	18	8	PALM AVENUE	332	2	ST.	1981	24	12	$ -	$ 333	$ 1,794	$ 110,244	$ 112,038	$ 52,458	$ 164,496				
PALM AVENUE	18	9	PALM AVENUE	128	1	AC	1969	6	0	$ -	$ -	$ 384	$ -	$ 384	$ 180	$ 564				
PALM AVENUE	18	10	PALM AVENUE	20	1	AC	1979	8	0	$ -	$ -	$ 100	$ -	$ 100	$ 47	$ 147				
PALM AVENUE	18	11	PALM AVENUE	20	1	AC	1979	6	0	$ -	$ -	$ 100	$ -	$ 100	$ 47	$ 147				
PALM AVENUE	18	12	PALM AVENUE	72	1	ST.	1979	6.625	0	$ -	$ -	$ 360	$ -	$ 360	$ 169	$ 529				
PALM AVENUE	18	13	PALM AVENUE	32	1	AC	1986	6	0	$ -	$ -	$ 320	$ -	$ 320	$ 150	$ 470				
PALM AVENUE	18	14	PALM AVENUE	423	2	ST.	1986	25.63	0	$ -	$ -	$ 2,115	$ -	$ 2,115	$ 990	$ 3,105				
PALM AVENUE	18	15	PALM AVENUE	12	1	ST.	1986	6.625	0	$ -	$ -	$ 60	$ -	$ 60	$ 28	$ 88				
PALM AVENUE	18	16	PALM AVENUE	20	1	AC	1986	8	0	$ -	$ -	$ 100	$ -	$ 100	$ 47	$ 147				
PALM AVENUE	18	17	PALM AVENUE	46	1	ST.	1986	8.625	0	$ -	$ -	$ 230	$ -	$ 230	$ 108	$ 337				
PALM AVENUE	18	18	PALM AVENUE	30	1	ST.	2011	6.625	0	$ -	$ -	$ 150	$ -	$ 150	$ 70	$ 220	$ 387,100			
LANSHILL DRIVE	19	1	LANSHILL DRIVE	345	2	AC	1969	8	8	$ -	$ 333	$ 1,552	$ 72,705	$ 74,257	$ 34,788	$ 109,045				
LANSHILL DRIVE	19	2	LANSHILL DRIVE	638	3	AC	1967	8	8	$ -	$ 333	$ 1,913	$ 89,604	$ 91,517	$ 42,863	$ 134,380				
LANSHILL DRIVE	19	3	LANSHILL DRIVE	429	2	AC	1993	8	8	$ -	$ 333	$ 2,288	$ 124,800	$ 127,088	$ 59,528	$ 186,616				
LANSHILL DRIVE	19	4	LANSHILL DRIVE	17	1	ST.	2018	8.625	8	$ -	$ 333	$ 85	$ 5,661	$ 5,746	$ 2,691	$ 8,437				
LANSHILL DRIVE	19	5	LANSHILL DRIVE	118	1	ST.	2015	8.625	8	$ -	$ 333	$ 502	$ 33,300	$ 33,802	$ 15,833	$ 49,635		$ 525,000		
FAIRVIEW STREET	20	1	FAIRVIEW STREET	1,285	3	ST.	1963	12.75	12	$ -	$ 333	$ 8,995	$ 428,205	$ 437,200	$ 204,700	$ 641,900				
FAIRVIEW STREET	20	2	FAIRVIEW STREET	737	3	AC	1962	12	12	$ -	$ 333	$ 1,990	$ 245,565	$ 247,555	$ 115,900	$ 363,455				
FAIRVIEW STREET	20	3	FAIRVIEW STREET	63	1	ST.	1993	12.75	12	$ -	$ 333	$ 315	$ 21,000	$ 21,315	$ 9,980	$ 31,295		$ 1,200,000		
EDGEWOOD DRIVE	21	1	EDGEWOOD DRIVE	940	3	AC	1978	8	8	$ -	$ 333	$ 4,700	$ 260,700	$ 265,400	$ 124,200	$ 389,600				
EDGEWOOD DRIVE	21	2	EDGEWOOD DRIVE	5	1	ST.	2013	8.625	8	$ -	$ 333	$ 25	$ 1,665	$ 1,690	$ 791	$ 2,481		$ 244,000		

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	SRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.8%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
AVENUE SALETA/MERCED	22	1	AVENUE SALETA/MERCED	1,748	5	AC	1940	12	12	$ -	$ 373	$ 5,941	$ 442,345	$ 448,286	$ 209,781	$ 658,067				
AVENUE DE LA MERCED	22	2	AVENUE DE LA MERCED	725	4	AC	1940	8	12	$ -	$ 373	$ 3,682	$ 268,824	$ 272,506	$ 127,504	$ 400,011				
AVENUE DE LA MERCED	22	3	AVENUE DE LA MERCED	1,671	4	AC	1940	10	12	$ -	$ 373	$ 8,522	$ 618,276	$ 626,923	$ 293,307	$ 920,231				
AVENUE SALETA/MERCED	22	4	AVENUE DE LA MERCED	50	1	AC	1940	12	12	$ -	$ 373	$ 255	$ 18,600	$ 18,750	$ 8,738	$ 27,488				
AVENUE DE LA MERCED	22	5	AVENUE DE LA MERCED	245	2	AC	1940	8	12	$ -	$ 373	$ 1,225	$ 91,350	$ 92,575	$ 43,314	$ 135,889				
AVENUE DE LA MERCED	22	6	AVENUE DE LA MERCED	22	1	AC	1940	8	12	$ -	$ 373	$ 110	$ 8,190	$ 8,300	$ 3,901	$ 12,202				
AVENUE DE LA MERCED	22	7	AVENUE DE LA MERCED	18	1	ST.	1939	12.75	12	$ -	$ 373	$ 84	$ 6,300	$ 6,384	$ 3,000	$ 9,384				
AVENUE SALETA/MERCED	22	8	AVENUE DE LA MERCED	33	1	ST.	1939	12.75	12	$ -	$ 373	$ 154	$ 11,550	$ 11,704	$ 5,501	$ 17,205				
AVENUE SALETA/MERCED	22	9	AVENUE DE LA MERCED	19	1	ST.	1939	12.75	12	$ -	$ 373	$ 90	$ 6,750	$ 6,840	$ 3,215	$ 10,055				
AVENUE SALETA/MERCED	22	10	AVENUE DE LA MERCED	14	1	ST.	1939	12.75	12	$ -	$ 373	$ 67	$ 5,250	$ 5,317	$ 2,499	$ 7,817				
AVENUE SALETA/MERCED	22	11	AVENUE DE LA MERCED	78	1	AC	1940	10	12	$ -	$ 373	$ 585	$ 42,900	$ 43,485	$ 20,438	$ 63,923				
LINCOLN AVENUE	22	12	LINCOLN AVENUE	1,078	4	AC	1940	10	12	$ -	$ 373	$ 8,085	$ 586,950	$ 595,035	$ 279,666	$ 874,701				
LINCOLN AVENUE	22	13	LINCOLN AVENUE	33	1	ST.	1939	12.75	12	$ -	$ 373	$ 248	$ 17,775	$ 17,925	$ 8,425	$ 26,349				
LINCOLN AVENUE	22	14	LINCOLN AVENUE	50	1	AC	1940	10	12	$ -	$ 373	$ 375	$ 27,000	$ 27,375	$ 12,866	$ 40,241				
FRAGRANCIA AVENUE	25	1	FRAGRANCIA AVENUE	650	3	AC	1941	8	8	$ -	$ 333	$ 3,250	$ 216,450	$ 219,700	$ 103,259	$ 322,959		$ 307,000		
TAMARIX DRIVE	26	1	TAMARIX DRIVE	465	2	AC	1975	6	8	$ -	$ 333	$ 2,790	$ 154,845	$ 157,635	$ 74,088	$ 231,723				
TAMARIX DRIVE	26	2	TAMARIX DRIVE	1,725	2	AC	1975	8	8	$ -	$ 333	$ 6,900	$ 382,950	$ 389,850	$ 183,230	$ 573,080				
TAMARIX DRIVE	26	3	TAMARIX DRIVE	70	1	ST.	1975	6.625	8	$ -	$ 333	$ 280	$ 15,600	$ 15,880	$ 7,464	$ 23,344				
TAMARIX DRIVE	26	4	TAMARIX DRIVE	80	1	ST.	1980	8.625	8	$ -	$ 333	$ 640	$ 35,700	$ 36,340	$ 17,080	$ 53,420				
TAMARIX DRIVE	26	5	TAMARIX DRIVE	12	1	ST.	1975	6.625	8	$ -	$ 333	$ 96	$ 5,400	$ 5,496	$ 2,583	$ 8,079		$ 307,000		
TURNBULL CANYON ROAD	25	1	TURNBULL CANYON ROAD	3,650	3	AC	1979	5	8	$ -	$ 333	$ 7,300	$ 323,100	$ 330,400	$ 155,288	$ 485,688				
TURNBULL CANYON ROAD	25	2	TURNBULL CANYON ROAD	975	3	AC	1979	8	8	$ -	$ 333	$ 1,950	$ 171,600	$ 173,550	$ 81,568	$ 255,118				
TURNBULL CANYON ROAD	25	3	TURNBULL CANYON ROAD	1,968	3	AC	1979	6	8	$ -	$ 333	$ 5,904	$ 324,720	$ 330,624	$ 155,393	$ 486,018				
TURNBULL CANYON ROAD	25	4	TURNBULL CANYON ROAD	30	1	ST.	1978	8.625	8	$ -	$ 333	$ 90	$ 6,000	$ 6,030	$ 2,834	$ 8,864				
TURNBULL CANYON ROAD	25	5	TURNBULL CANYON ROAD	771	2	ST.	1980	8.625	8	$ -	$ 333	$ 1,542	$ 179,900	$ 181,442	$ 85,278	$ 266,720				
TURNBULL CANYON ROAD	25	6	TURNBULL CANYON ROAD	15	1	ST.	2020	6.625	8	$ -	$ 333	$ 72	$ 4,500	$ 4,572	$ 2,149	$ 6,721		$ 2,344,000		
LAS TUNAS DRIVE	29	1	LAS TUNAS DRIVE	220	3	CI	1935	2	6	$ -	$ -	$ 1,210	$ -	$ 1,210	$ 569	$ 1,778				
LAS TUNAS DRIVE	29	2	LAS TUNAS DRIVE	585	3	CI	1937	2	6	$ -	$ -	$ 3,218	$ -	$ 3,218	$ 1,512	$ 4,730				
LAS TUNAS DRIVE	29	3	LAS TUNAS DRIVE	1,172	3	AC	1979	6	6	$ -	$ 273	$ 2,814	$ 319,940	$ 322,930	$ 151,777	$ 474,707				
LAS TUNAS DRIVE	29	4	LAS TUNAS DRIVE	28	1	CI	1979	2	6	$ -	$ -	$ 154	$ -	$ 280	$ 132	$ 412		$ 507,000		
SYCAMORE STREET	27	1	SYCAMORE STREET	637	2	CI	1935	2	12	$ -	$ 373	$ 4,780	$ 324,004	$ 328,872	$ 154,570	$ 483,442				
SYCAMORE STREET	27	2	SYCAMORE AVENUE	1,561	2	CI	1975	12	12	$ -	$ 373	$ 3,902	$ 443,216	$ 447,118	$ 210,145	$ 657,263		$ 1,268,000		
GRELWOOD AVENUE	28	1	GRELWOOD AVENUE	415	1	AC	1975	12	12	$ -	$ 373	$ 2,177	$ 154,530	$ 156,707	$ 73,652	$ 230,359				
GRELWOOD AVENUE	28	2	GRELWOOD AVENUE	242	3	AC	1980	12	12	$ -	$ 373	$ 1,210	$ 90,250	$ 91,460	$ 42,986	$ 134,446				
GRETWOOD AVENUE	28	3	GRETWOOD AVENUE	172	1	CI	1980	12	12	$ -	$ 373	$ 861	$ 64,140	$ 65,000	$ 30,552	$ 95,552		$ 403,000		
CAIT ROAD	24	1	CAIT ROAD	560	5	AC	1975	10	12	$ -	$ 373	$ 5,600	$ 417,900	$ 423,500	$ 199,045	$ 622,545		$ 373,000		
IOWA AVENUE	30	1	IOWA AVENUE	458	2	AC	1975	10	12	$ -	$ 373	$ 3,434	$ 256,060	$ 259,494	$ 121,962	$ 381,456				$ 470,000

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	SRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.8%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
VIA PATRICIO	37	1	VIA PATRICIO	481	1	AC	1975	8	8	$ -	$ -	$ 3,368	$ -	$ 3,368	$ 1,577	$ 4,945			$ 5,000	
COFFMAN DRIVE	31	1	COFFMAN DRIVE	769	3	AC	1993	6	8	$ -	$ 333	$ 5,384	$ 256,050	$ 261,434	$ 122,492	$ 383,926				
COFFMAN DRIVE	31	2	COFFMAN DRIVE	405	3	AC	1992	6	8	$ -	$ 333	$ 2,835	$ 134,865	$ 137,700	$ 64,518	$ 202,218				
COFFMAN DRIVE	31	3	COFFMAN DRIVE	15	1	ST.	2018	6	8	$ -	$ 333	$ 45	$ 3,000	$ 3,045	$ 1,426	$ 4,471			$ 504,000	
FARMDALE AVENUE	35	1	FARMDALE AVENUE	288	4	AC	1947	6	8	$ -	$ 333	$ 2,016	$ 167,400	$ 169,416	$ 79,350	$ 248,766				
FARMER AVENUE VALLEY	35	2	FARMER AVENUE VALLEY	241	0	ST.	1950	4	0	$ -	$ -	$ 2,892	$ -	$ 2,892	$ 1,354	$ 4,246				
FARMER AVENUE VALLEY	35	3	FARMER AVENUE VALLEY	28	1	ST.	1979	4.5	0	$ -	$ -	$ 140	$ -	$ 140	$ 66	$ 206		$ 270,000		
ANDROMEDA CIRCLE	37	1	ANDROMEDA CIRCLE	1027	5	AC	1947	6	8	$ -	$ 333	$ 7,189	$ 342,000	$ 349,189	$ 163,533	$ 512,722				
ANDROMEDA CIRCLE	37	2	ANDROMEDA CIRCLE	93	1	ST.	1975	6.625	8	$ -	$ 333	$ 651	$ 30,960	$ 31,611	$ 14,802	$ 46,413				
LORAW AVENUE	37	3	LORAW AVENUE	85	1	AC	1975	6	6	$ -	$ 273	$ 595	$ 23,205	$ 23,800	$ 11,145	$ 34,945				
LORAW AVENUE	36	4	LORAW AVENUE	157	3	CI	1980	2	6	$ -	$ 273	$ 785	$ 42,705	$ 43,490	$ 20,365	$ 63,855				
LEXINGTON HEIGHTS ROAD	36	5	LEXINGTON HEIGHTS ROAD	486	5	AC	1985	6	8	$ -	$ 333	$ 3,402	$ 161,865	$ 165,267	$ 77,385	$ 242,652				
LEXINGTON HEIGHTS ROAD	36	6	LEXINGTON HEIGHTS ROAD	91	1	ST.	2018	6	8	$ -	$ 333	$ 728	$ 45,500	$ 46,228	$ 21,643	$ 67,871			$ 67,000	
LYNALAN AVENUE	35	1	LYNALAN AVENUE	1,402	2	AC	1933	6	8	$ -	$ 333	$ 7,010	$ 417,900	$ 424,910	$ 198,958	$ 623,868				
LYNALAN AVENUE	35	2	LYNALAN AVENUE	25	1	ST.	1956	4.5	8	$ -	$ 333	$ 188	$ 7,500	$ 7,688	$ 3,599	$ 11,288				
LYNALAN AVENUE	35	3	LYNALAN AVENUE	53	1	ST.	1956	6.625	8	$ -	$ 333	$ 371	$ 17,700	$ 18,071	$ 8,461	$ 26,532				
LYNALAN AVENUE	35	4	LYNALAN AVENUE	15	1	ST.	1987	4.5	8	$ -	$ 333	$ 113	$ 5,000	$ 5,113	$ 2,394	$ 7,507			$ 736,000	
CHATFIELD AVENUE	39	1	CHATFIELD AVENUE	1,480	4	AC	1933	6	8	$ -	$ 333	$ 7,400	$ 492,900	$ 500,300	$ 234,241	$ 734,541				
CHATFIELD AVENUE	39	2	CHATFIELD AVENUE	31	1	ST.	1941	6.625	8	$ -	$ 333	$ 217	$ 10,350	$ 10,567	$ 4,946	$ 15,513			$ 708,000	
BOXLEY DRIVE	37	1	BOXLEY DRIVE	31	2	AC	1949	6	12	$ -	$ 373	$ 248	$ 17,205	$ 17,453	$ 8,171	$ 25,624				
BOXLEY DRIVE	37	2	BOXLEY DRIVE	525	2	AC	1949	8	12	$ -	$ 373	$ 3,675	$ 272,025	$ 275,700	$ 129,055	$ 404,755				
BOXLEY DRIVE	37	3	BOXLEY DRIVE	80	2	AC	1949	8	12	$ -	$ 373	$ 560	$ 41,400	$ 41,960	$ 19,643	$ 61,603				
BOXLEY DRIVE	37	4	BOXLEY DRIVE	7	1	ST.	1949	6	12	$ -	$ 373	$ 53	$ 3,900	$ 3,953	$ 1,851	$ 5,804				
BOXLEY DRIVE	37	5	BOXLEY DRIVE	73	1	ST.	2018	6.5	12	$ -	$ 373	$ 73	$ 5,475	$ 5,548	$ 2,597	$ 8,146				
ESCENE AVENUE	37	6	ESCENE AVENUE	454	4	AC	1948	4	0	$ -	$ -	$ 2,948	$ -	$ 2,948	$ 1,380	$ 4,328				
ROONE AVENUE	37	7	ROONE AVENUE	14	1	ST.	2018	4.5	0	$ -	$ -	$ 70	$ -	$ 70	$ 33	$ 103				
ROONE AVENUE	37	8	ROONE AVENUE	12	1	ST.	2018	4.5	0	$ -	$ -	$ 60	$ -	$ 60	$ 28	$ 88				
TOWNLEY DRIVE	37	9	TOWNLEY DRIVE	265	2	AC	1948	4	8	$ -	$ 373	$ 1,983	$ 97,850	$ 99,833	$ 46,751	$ 146,584				
TOWNLEY DRIVE	37	10	TOWNLEY DRIVE	45	2	AC	1935	4	0	$ -	$ 373	$ 225	$ 12,150	$ 12,375	$ 5,795	$ 18,170			$ 588,000	
WEAVER STREET	32	1	WEAVER STREET	110	2	AC	1971	6	8	$ -	$ 333	$ 550	$ 33,000	$ 33,550	$ 15,707	$ 49,257				
WEAVER STREET	32	2	WEAVER STREET	1,269	0	AC	1988	6	8	$ -	$ 333	$ 6,402	$ 386,700	$ 393,102	$ 184,067	$ 577,169				
WALNUT CIRCLE	38	1	WALNUT CIRCLE	93	1	SL	1985	6.625	8	$ -	$ 333	$ 651	$ 31,000	$ 31,651	$ 14,820	$ 46,471			$ 68,000	
LINDA CIRCLE	39	1	LINDA CIRCLE	208	3	AC	1937	10	8	$ -	$ 333	$ 1,716	$ 69,300	$ 71,016	$ 33,248	$ 104,264				
LINDA CIRCLE	39	2	LINDA CIRCLE	1,247	3	AC	1933	10	8	$ -	$ 333	$ 10,303	$ 415,500	$ 425,803	$ 199,376	$ 625,179				
LINDA CIRCLE	39	3	LINDA CIRCLE	70	1	AC	1975	10	8	$ -	$ 333	$ 578	$ 23,400	$ 23,978	$ 11,228	$ 35,206				
LINDA CIRCLE	39	4	LINDA CIRCLE	30	1	SL	1975	10.05	8	$ -	$ 333	$ 248	$ 9,900	$ 10,148	$ 4,752	$ 14,900				
LINDA CIRCLE	39	5	LINDA CIRCLE	52	1	SL	2018	10.05	8	$ -	$ 333	$ 430	$ 17,400	$ 17,830	$ 8,348	$ 26,178				$ 779,000

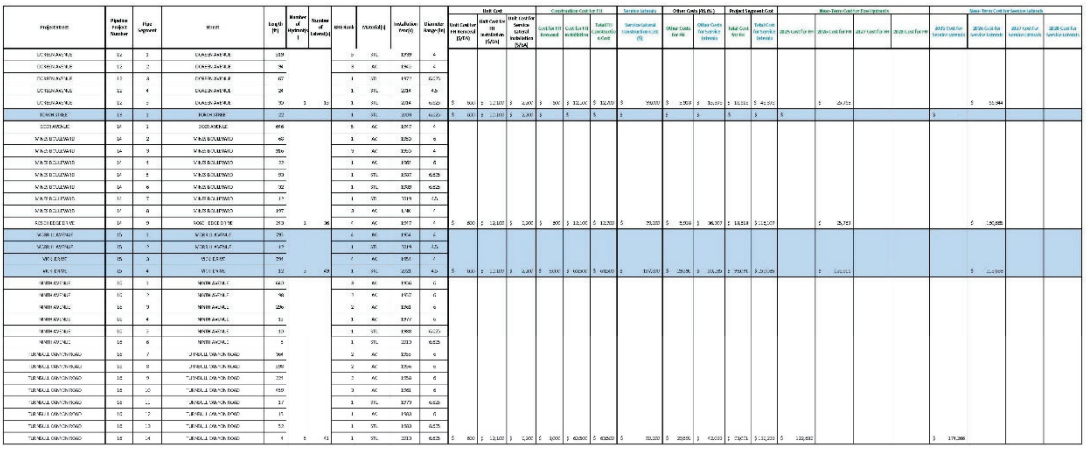
Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	SRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (66.8%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
RIDLEY AVENUE	43	1	RIDLEY AVENUE	835	4	ST	1954	6	8	$ -	$ 333	$ 2,781	$ 278,055	$ 280,836	$ 187,563	$ 468,399				
RIDLEY AVENUE	43	2	RIDLEY AVENUE	167	2	AC	1959	6	8	$ -	$ 333	$ 556	$ 55,611	$ 56,167	$ 37,532	$ 93,699				
RIDLEY AVENUE	43	3	RIDLEY AVENUE	95	1	CI	1979	6	8	$ -	$ 333	$ 316	$ 31,611	$ 31,928	$ 21,331	$ 53,259				
RIDLEY AVENUE	43	4	RIDLEY AVENUE	95	1	ST	1982	6	8	$ -	$ 333	$ 316	$ 31,611	$ 31,928	$ 21,331	$ 53,259			$ 448,403	
MAPLEFIELD STREET	45	1	MAPLEFIELD STREET	789	4	AC	1949	6	8	$ -	$ 333	$ 2,630	$ 262,944	$ 265,574	$ 177,434	$ 443,008				
MAPLEFIELD STREET	45	2	MAPLEFIELD STREET	258	2	AC	1959	6	8	$ -	$ 333	$ 860	$ 85,981	$ 86,841	$ 58,020	$ 144,861				$ 689,000
ALLEYER AVENUE	46	1	ALLEYER AVENUE	776	3	AC	1949	6	8	$ -	$ 333	$ 2,587	$ 258,600	$ 261,186	$ 174,526	$ 435,712				
ALLEYER AVENUE	46	2	ALLEYER AVENUE	14	1	ST	1956	6.625	8	$ -	$ 333	$ 47	$ 4,667	$ 4,714	$ 3,150	$ 7,864				$ 462,000
CLOVIS DRIVE	45	1	CLOVIS DRIVE	886	3	ST	1952	8.625	10	$ -	$ 373	$ 3,547	$ 330,000	$ 333,547	$ 222,895	$ 556,442				
CLOVIS DRIVE	45	2	CLOVIS DRIVE	247	1	ST	1959	8.625	10	$ -	$ 373	$ 732	$ 68,000	$ 68,732	$ 45,931	$ 114,663				
SAN MARTIN BOULEVARD (A - TV)	45	3	SAN MARTIN BOULEVARD (A - TV)	468	4	AC	1950	4	6	$ -	$ 373	$ 2,340	$ 174,640	$ 176,980	$ 118,266	$ 295,246				$ 274,000
LA PRESA AVENUE	46	1	LA PRESA AVENUE	1,126	3	AC	1947	6	8	$ -	$ 333	$ 3,753	$ 375,000	$ 378,753	$ 253,098	$ 631,851				
LA PRESA AVENUE	46	2	LA PRESA AVENUE	198	1	ST	1960	6.625	8	$ -	$ 333	$ 660	$ 66,000	$ 66,660	$ 44,542	$ 111,202				
LA PRESA AVENUE	46	3	LA PRESA AVENUE	12	1	ST	2022	6.625	8	$ -	$ 333	$ 40	$ 3,000	$ 3,040	$ 2,032	$ 5,072				$ 625,000
HADLEY STREET	45	1	HADLEY STREET	570	3	CI	1948	6	6	$ -	$ 373	$ 1,824	$ 66,000	$ 67,750	$ 45,268	$ 113,018				
HADLEY STREET	45	2	HADLEY STREET	41	1	ST	1948	6	6	$ -	$ 373	$ 202	$ 11,000	$ 11,273	$ 7,534	$ 18,807				
HADLEY STREET	45	3	HADLEY STREET	12	2	CI	1959	6	6	$ -	$ 373	$ 71	$ 4,000	$ 4,142	$ 2,767	$ 6,909				
HADLEY STREET	45	4	HADLEY STREET	10	1	ST	2018	0.915	6	$ -	$ 373	$ 34	$ 2,750	$ 2,784	$ 1,860	$ 4,644				
TOWNLEY DRIVE	45	5	TOWNLEY DRIVE	1,278	3	AC	1952	6	6	$ -	$ 373	$ 6,392	$ 349,351	$ 355,743	$ 237,672	$ 593,415				
TOWNLEY DRIVE	45	6	TOWNLEY DRIVE	37	1	ST	1965	6.625	6	$ -	$ 373	$ 370	$ 20,625	$ 20,995	$ 14,029	$ 35,024				
TOWNLEY DRIVE	45	7	TOWNLEY DRIVE	15	1	ST	2015	6.625	6	$ -	$ 373	$ 90	$ 8,250	$ 8,340	$ 5,572	$ 13,912				
TOWNLEY DRIVE	45	8	TOWNLEY DRIVE	35	1	ST	2023	6.625	6	$ -	$ 373	$ 210	$ 19,250	$ 19,460	$ 13,002	$ 32,462				$ 359,000
RICHONS LANE	46	1	RICHONS LANE	3,564	3	AC	1951	10	12	$ -	$ 373	$ 8,910	$ 464,286	$ 473,196	$ 316,141	$ 789,337				
RICHONS LANE	46	2	RICHONS LANE	178	2	ST	1954	10.75	12	$ -	$ 373	$ 445	$ 46,429	$ 46,874	$ 31,314	$ 78,188				
RICHONS LANE	46	3	RICHONS LANE	71	1	ST	2014	10.75	12	$ -	$ 373	$ 178	$ 9,643	$ 9,821	$ 6,561	$ 16,382				
RICHONS LANE	46	4	RICHONS LANE	21	1	ST	2019	10.75	12	$ -	$ 373	$ 105	$ 7,771	$ 7,875	$ 5,261	$ 13,136				$ 793,000
RUSH STREET	47	1	RUSH STREET	773	4	AC	1947	6	8	$ -	$ 333	$ 3,865	$ 231,000	$ 234,865	$ 156,898	$ 391,763				
RUSH STREET	47	2	RUSH STREET	463	4	AC	1948	6	8	$ -	$ 333	$ 2,315	$ 138,300	$ 140,615	$ 93,951	$ 234,566				
RUSH STREET	47	3	RUSH STREET	281	3	AC	1953	6	8	$ -	$ 333	$ 1,405	$ 83,900	$ 85,305	$ 56,990	$ 142,294				
RUSH STREET	47	4	RUSH STREET	12	1	ST	2015	6.625	8	$ -	$ 333	$ 72	$ 6,000	$ 6,072	$ 4,056	$ 10,127				
RUSH STREET	47	5	RUSH STREET	40	1	ST	2012	6.625	8	$ -	$ 333	$ 200	$ 19,800	$ 20,000	$ 13,360	$ 33,360				
RUSH STREET	47	6	RUSH STREET	12	1	ST	2019	6.625	8	$ -	$ 333	$ 84	$ 7,500	$ 7,584	$ 5,066	$ 12,650				
RUSH STREET	47	7	RUSH STREET	2	1	ST	2022	6.625	8	$ -	$ 333	$ 20	$ 1,500	$ 1,520	$ 1,015	$ 2,535				$ 447,000
SCENIC DRIVE	48	1	SCENIC DRIVE	611	3	ST	1970	4	6	$ -	$ 373	$ 3,055	$ 243,000	$ 246,055	$ 164,357	$ 410,412				
SCENIC DRIVE	48	2	SCENIC DRIVE	20	1	AC	1959	4	6	$ -	$ 373	$ 100	$ 8,000	$ 8,100	$ 5,409	$ 13,509				
SCENIC DRIVE	48	3	SCENIC DRIVE	5	1	CI	1964	4	6	$ -	$ 373	$ 25	$ 1,000	$ 1,025	$ 685	$ 1,710				
SCENIC DRIVE	48	4	SCENIC DRIVE	35	1	ST	1964	6.625	6	$ -	$ 373	$ 175	$ 6,000	$ 6,175	$ 4,124	$ 10,299				
SCENIC DRIVE	48	5	SCENIC DRIVE	9	1	UNK	1969	12	6	$ -	$ 373	$ 45	$ 2,400	$ 2,445	$ 1,633	$ 4,078				
SETLIFF LANE	48	6	SETLIFF LANE	125	3	AC	1955	4	6	$ -	$ 373	$ 938	$ 22,000	$ 22,938	$ 15,320	$ 38,258				
SETLIFF LANE	48	7	SETLIFF LANE	75	3	AC	1967	4	6	$ -	$ 373	$ 563	$ 21,225	$ 21,788	$ 14,554	$ 36,342				$ 462,000

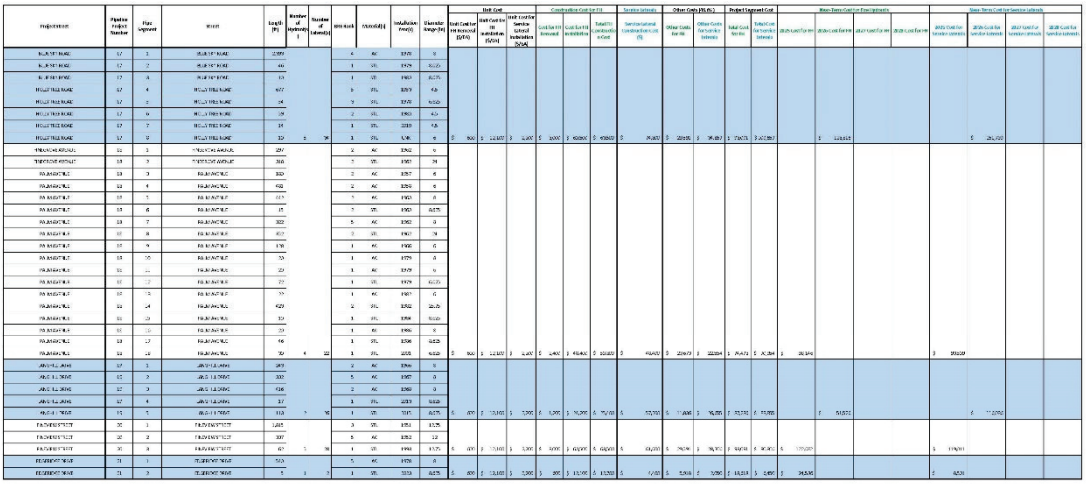
Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	SRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (66.8%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
HIBBOLS STREET	49	1	HIBBOLS STREET	980	4	AC	1960	6	8	$ -	$ 333	$ 3,430	$ 326,400	$ 329,830	$ 220,404	$ 550,234				
HIBBOLS STREET	49	2	HIBBOLS STREET	94	1	ST.	2018	0.915	8	$ -	$ 373	$ 376	$ 35,000	$ 35,376	$ 23,652	$ 59,028				
HIBBOLS STREET	49	3	HIBBOLS STREET	59	1	ST.	2025	6	8	$ -	$ 333	$ 236	$ 19,500	$ 19,736	$ 13,192	$ 32,928				$ 811,000
PIONEER BOULEVARD	50	1	PIONEER BOULEVARD	345	3	AC	1940	4	6	$ -	$ 373	$ 1,725	$ 62,250	$ 63,975	$ 44,773	$ 108,747				
PIONEER BOULEVARD	50	2	PIONEER BOULEVARD	32	1	ST.	2019	6.5	6	$ -	$ 373	$ 80	$ 7,200	$ 7,280	$ 5,096	$ 12,376				
PIONEER BOULEVARD (ALLEY)	50	3	PIONEER BOULEVARD (ALLEY)	299	0	FL	1987	2	6	$ -	$ 373	$ 1,121	$ 62,000	$ 63,121	$ 44,176	$ 107,297				$ 276,000
LOCH AVON DRIVE	51	1	LOCH AVON DRIVE	748	3	AC	1949	4	6	$ -	$ 373	$ 2,805	$ 92,400	$ 95,205	$ 66,623	$ 161,828				
LOCH AVON DRIVE	51	2	LOCH AVON DRIVE	9	1	ST.	2015	6.5	6	$ -	$ 373	$ 34	$ 3,300	$ 3,334	$ 2,334	$ 5,668				
LOCH LOMOND DRIVE	51	3	LOCH LOMOND DRIVE	432	3	AC	1949	4	6	$ -	$ 373	$ 2,160	$ 126,000	$ 128,160	$ 89,712	$ 217,872				
LOCH LOMOND DRIVE	51	4	LOCH LOMOND DRIVE	9	1	ST.	2015	6.5	6	$ -	$ 373	$ 34	$ 3,000	$ 3,034	$ 2,124	$ 5,158				
MINA AVENUE	51	5	MINA AVENUE	429	3	AC	1949	4	6	$ -	$ 373	$ 2,145	$ 127,446	$ 129,591	$ 90,713	$ 220,304				
MINA AVENUE	51	6	MINA AVENUE	12	1	ST	2015	6.5	6	$ -	$ 373	$ 60	$ 4,950	$ 5,010	$ 3,507	$ 8,517				$ 586,000
TOWNES AVENUE	52	1	TOWNES AVENUE	1,021	4	AC	1965	8	8	$ -	$ 333	$ 6,128	$ 340,000	$ 346,128	$ 231,306	$ 577,434				
EDWARDS AVENUE	52	2	EDWARDS AVENUE	86	1	ST.	2018	8.625	8	$ -	$ 333	$ 387	$ 36,000	$ 36,387	$ 24,317	$ 60,704				
EDWARDS AVENUE	52	3	EDWARDS AVENUE	40	1	ST.	2004	8.625	8	$ -	$ 333	$ 200	$ 18,000	$ 18,200	$ 12,165	$ 30,365				
EDWARDS AVENUE	52	4	EDWARDS AVENUE	10	1	ST.	2012	8.625	8	$ -	$ 333	$ 50	$ 3,000	$ 3,050	$ 2,039	$ 5,089				$ 678,000
EDER AVENUE	53	1	EDER AVENUE	597	4	AC	1948	6	6	$ -	$ 373	$ 4,480	$ 268,200	$ 272,680	$ 182,296	$ 454,976				
EDER AVENUE	53	2	EDER AVENUE	32	1	ST.	2023	6.5	6	$ -	$ 373	$ 64	$ 7,200	$ 7,264	$ 4,855	$ 12,119				
EDER AVENUE	53	3	EDER AVENUE	28	1	ST.	2021	6.5	6	$ -	$ 373	$ 112	$ 6,300	$ 6,412	$ 4,286	$ 10,698				
DOLORES DRIVE	53	4	DOLORES DRIVE	391	4	AC	1948	4	6	$ -	$ 373	$ 3,519	$ 195,240	$ 198,759	$ 132,868	$ 331,627				
DOLORES DRIVE	53	5	DOLORES DRIVE	12	1	ST.	1965	6.5	6	$ -	$ 373	$ 60	$ 5,000	$ 5,060	$ 3,382	$ 8,442				
DOLORES DRIVE	53	6	DOLORES DRIVE	12	1	ST.	2023	6.5	6	$ -	$ 373	$ 60	$ 7,200	$ 7,260	$ 4,851	$ 12,111				$ 386,000
MATTEI DRIVE	54	1	MATTEI DRIVE	498	4	AC	1961	4	6	$ -	$ 373	$ 3,486	$ 149,400	$ 152,886	$ 102,151	$ 255,037				
PEACOCK LANE	54	2	PEACOCK LANE	93	3	AC	1961	4	6	$ -	$ 373	$ 651	$ 34,826	$ 35,477	$ 23,704	$ 59,181				
PEACOCK LANE (BACKYARD)	54	3	PEACOCK LANE (BACKYARD)	151	2	AC	1961	4	6	$ -	$ -	$ 1,057	$ -	$ 1,057	$ 706	$ 1,763				
THIRD STREET	54	4	THIRD STREET	501	3	AC	1934	6	8	$ -	$ 333	$ 3,507	$ 166,800	$ 170,307	$ 113,765	$ 284,072				
THIRD STREET	54	5	THIRD STREET	13	1	AC	1965	6	8	$ -	$ 333	$ 91	$ 4,000	$ 4,091	$ 2,733	$ 6,824				
THIRD STREET (BACKYARD)	54	6	THIRD STREET (BACKYARD)	218	1	AC	1961	6	6	$ -	$ -	$ 1,199	$ -	$ 1,199	$ 801	$ 1,999				$ 383,000
EUROVA AVENUE	55	1	EUROVA AVENUE	1,149	3	AC	1953	6	8	$ -	$ 373	$ 2,872	$ 342,000	$ 344,872	$ 230,373	$ 575,245				
EUROVA AVENUE	55	2	EUROVA AVENUE	28	1	ST.	1997	0.915	8	$ -	$ 373	$ 112	$ 9,000	$ 9,112	$ 6,086	$ 15,198				
EUROVA AVENUE	55	3	EUROVA AVENUE	27	1	ST.	2012	0.915	8	$ -	$ 373	$ 102	$ 8,100	$ 8,202	$ 5,478	$ 13,680				
EUROVA AVENUE	55	4	EUROVA AVENUE	13	1	ST.	2015	6.625	8	$ -	$ 333	$ 39	$ 3,300	$ 3,339	$ 1,998	$ 5,337				$ 611,000
				88,555												Total Cost	$ 9,999,000	$ 10,027,500	$ 10,000,000	$ 9,995,500
																Total Cost Revised	$ 10,000,000	$ 10,000,000	$ 10,000,000	$ 10,000,000

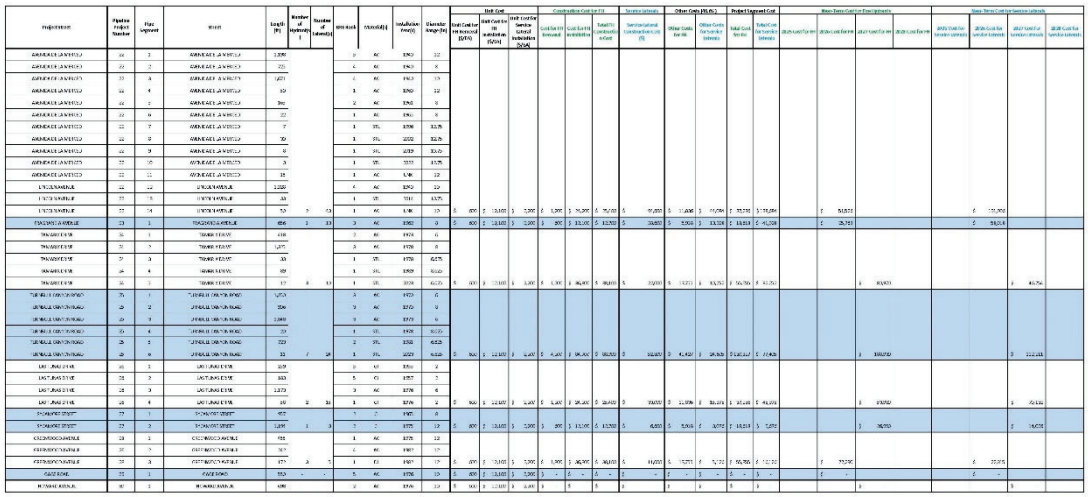
Enclosure 2: LAC Pipeline Replacement Cost Estimate

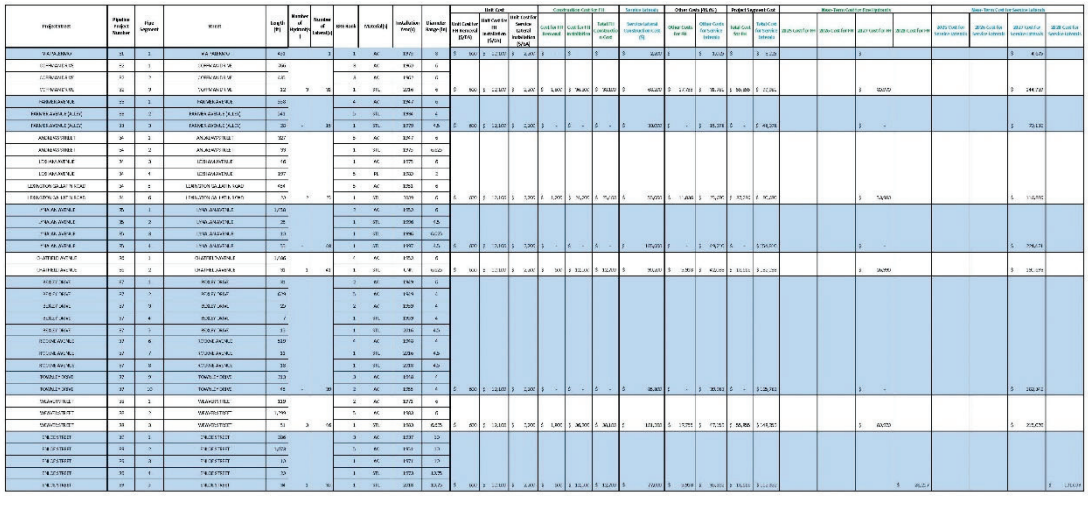
Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	Number of Hydraulic	Number of Laterals	HPR Bank	Material	Installation Year	Elevation Range (ft)	Unit Cost			Construction Cost (of 3)			Service Laterals	Other Costs (PS, Etc.)		Project Segment Cost		Near-Term Cost for Environments				Near-Term Cost for Service Laterals			
											Unit Cost for Mainline ($/ft)	Unit Cost for HR Hydrofracture ($/ft)	Unit Cost for Service Lateral Installation ($/ft)	Cost Sum for Removal	Cost Sum for Installation	Total for Construction Cost	Service Lateral Construction Cost ($)	Other Costs for PS	Other Costs for Service Laterals	Total Cost for PS	Total Cost for Service Laterals	2025 Cost for PS	2026 Cost for PS	2027 Cost for PS	2028 Cost for PS	2025 Cost for Service Laterals	2026 Cost for Service Laterals	2027 Cost for Service Laterals	2028 Cost for Service Laterals
CYPRESS AVE, FLYNN	1	1	CYPRESS AVE, FLYNN	1,658			8	AC	1953	6																		
CYPRESS AVE, FLYNN	1	2	CYPRESS AVE, FLYNN	773			5	AC	1953	6																		
CYPRESS AVE, ALAMEDA	1	3	CYPRESS AVE, ALAMEDA	38			1	AC	1970	6																		
CYPRESS AVE, ALAMEDA	1	4	CYPRESS AVE, ALAMEDA	72	2	12	1	STL	1.98	6.562	$ 900	$ 12,600	$ 6,600	$ 1,800	$ 38,400	$ 20,400	$ 134,400	$ 11,000	$ 29,500	$ 57,500	$ 57,500		$ 57,500				$ 57,500			
BROADWAY, 1ST	2	1	BROADWAY, 1ST	419			5	AC	1953	4																		
BROADWAY, 1ST ST	2	2	BROADWAY, 1ST ST	428			3	AC	1953	6																		
BROADWAY, 1ST	2	3	BROADWAY, 1ST	222			1	STL	1974	6.562																		
BROADWAY, 1ST	2	4	BROADWAY, 1ST	429			1	STL	1950	4.5																		
BROADWAY, 1ST ST	2	5	BROADWAY, 1ST ST	165			1	STL	1.98	6																		
SOLANO AVENUE	2	6	SOLANO AVENUE	2,126			3	AC	1953	7																		
SOLANO AVENUE	2	7	SOLANO AVENUE	1,237	2	23	1	AC	1953	6	$ 900	$ 12,600	$ 6,600	$ 900	$ 102,600	$ 52,500	$ 52,500	$ 2,000	$ 23,000	$ 25,000	$ 130,500	$ 25,000		$ 130,500				$ 130,500		
CYPRESS, BOWL	3	1	CYPRESS, BOWL	637			3	AC	1953	6																		
WEBSTER STREET	3	2	WEBSTER STREET	587			3	AC	1953	7																		
PETE ROSE WAY	3	3	PETE ROSE WAY	672			7	AC	1953	7																		
WILLIAM STREET	4	1	WILLIAM STREET	476	1	14	5	AC	1953	6	$ 600	$ 12,600	$ 6,600	$ 3,000	$ 76,200	$ 39,600	$ 115,200	$ 7,000	$ 21,000	$ 28,000	$ 143,200	$ 28,000		$ 143,200				$ 143,200		
TICE STREET	5	1	TICE STREET	1,233			7	AC	1974	7																		
TICE STREET	5	2	TICE STREET	37			1	STL	1944	7.5																		
JACKSON STREET	5	3	JACKSON STREET	317			1	STL	1950	4.5																		
ASHBY AVENUE	6	1	ASHBY AVENUE	661		33	4	AC	1969	6	$ 600	$ 12,600	$ 6,600	$ 3,000	$ 6	$ 6	$ 107,000	$ -	$ 101,400	$ 101,400	$ 208,400	$ -		$ 208,400				$ 208,400		
MERCED AVENUE	7	1	MERCED AVENUE	587			5	STL	1938	7																		
MANILA AVENUE	8	2	MANILA AVENUE	422			3	AC	1953	9																		
MANILA AVENUE	8	3	MANILA AVENUE	311			1	STL	1975	9.562																		
MANILA AVENUE	8	4	MANILA AVENUE	209	2	19	2	AC	1953	6	$ 600	$ 12,600	$ 6,600	$ 1,200	$ 38,200	$ 20,400	$ 60,400	$ 11,000	$ 29,500	$ 40,500	$ 100,900	$ 40,500		$ 100,900				$ 100,900		
WALNUT AVENUE	9	1	WALNUT AVENUE	322			2	AC	1974	7																		
WALNUT AVENUE	9	2	WALNUT AVENUE	472			1	STL	1950	4.5																		
MAIN, 1ST	9	3	MAIN, 1ST	426			2	AC	1954	4																		
MAIN ST ST	9	4	MAIN ST ST	17	-	10	1	STL	1920	7.5	$ 600	$ 12,600	$ 6,600	$ -	$ -	$ -	$ 70,000	$ -	$ 30,000	$ -	$ 100,000	$ -		$ 100,000				$ 100,000		
EASTBAY AVENUE	7	1	EASTBAY AVENUE	653			3	AC	1956	4																		
MIDWAY AVENUE	7	2	MIDWAY AVENUE	689	2	17	3	AC	1956	9	$ 900	$ 12,600	$ 6,600	$ 1,800	$ 38,400	$ 20,400	$ 60,400	$ 11,000	$ 29,500	$ 40,500	$ 100,900	$ 40,500		$ 100,900				$ 100,900		
SHELLMOUND AVENUE	8	1	SHELLMOUND AVENUE	1,773			5	AC	1977	6																		
SHELLMOUND AVENUE	8	2	SHELLMOUND AVENUE	74			-	STL	1920	6.25																		
ELLSWORTH AVENUE	8	3	ELLSWORTH AVENUE	686			5	AC	1977	6																		
ELLSWORTH AVENUE	8	4	ELLSWORTH AVENUE	74			1	STL	1920	6.25																		
SHELLMOUND AVENUE	8	5	SHELLMOUND AVENUE	1,741			5	AC	1977	6																		
SHELLMOUND AVENUE	8	6	SHELLMOUND AVENUE	74	6	115	1	STL	1920	6.25	$ 600	$ 12,600	$ 6,600	$ 1,200	$ 77,200	$ 39,600	$ 78,000	$ 30,200	$ 187,000	$ 217,200	$ 265,200	$ 187,000		$ 452,200				$ 452,200		

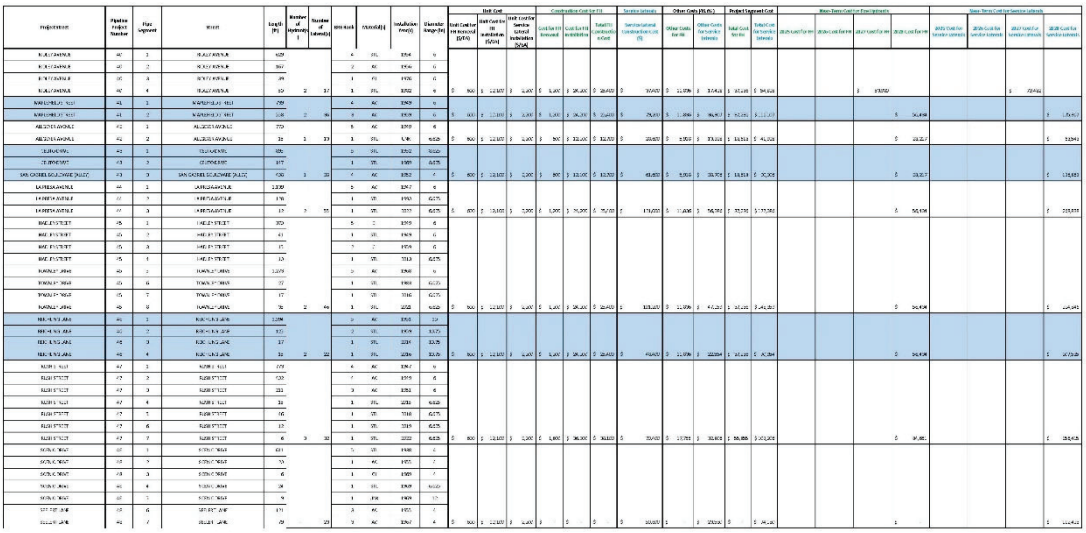
Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	Number of Hydraulic	Number of Laterals	HPR Bank	Material	Installation Year	Elevation Range (ft)	Unit Cost			Construction Cost (of 3)			Service Laterals	Other Costs (PS, Etc.)		Project Segment Cost		Near-Term Cost for Environments				Near-Term Cost for Service Laterals			
											Unit Cost for Mainline ($/ft)	Unit Cost for HR Hydrofracture ($/ft)	Unit Cost for Service Lateral Installation ($/ft)	Cost Sum for Removal	Cost Sum for Installation	Total for Construction Cost	Service Lateral Construction Cost ($)	Other Costs for PS	Other Costs for Service Laterals	Total Cost for PS	Total Cost for Service Laterals	2025 Cost for PS	2026 Cost for PS	2027 Cost for PS	2028 Cost for PS	2025 Cost for Service Laterals	2026 Cost for Service Laterals	2027 Cost for Service Laterals	2028 Cost for Service Laterals
SHORELINE DRIVE, 1ST	9	1	SHORELINE DRIVE, 1ST	637			4	AC	1950	6																		
CENTRAL AVENUE	9	2	CENTRAL AVENUE	68			2	AC	1950	6																		
CENTRAL AVENUE	9	3	CENTRAL AVENUE	37			1	STL	1938	6.25																		
CENTRAL AVENUE	9	4	CENTRAL AVENUE	343			2	AC	1.98	9																		
CENTRAL AVENUE	9	5	CENTRAL AVENUE	233			2	AC	1950	9																		
CENTRAL AVENUE	9	6	CENTRAL AVENUE	6			1	STL	2020	6.562																		
ALDER AVENUE	9	7	ALDER AVENUE	6			2	CI	1950	2																		
ALDER AVENUE	9	8	ALDER AVENUE	341			4	AC	1950	4																		
ALDER AVENUE	9	9	ALDER AVENUE	330			3	AC	1954	4																		
ALDER AVENUE	9	10	ALDER AVENUE	77	3	38	1	CI	1950	3	$ 600	$ 12,600	$ 6,600	$ 1,200	$ 38,200	$ 20,400	$ 77,000	$ 11,000	$ 28,000	$ 39,000	$ 116,000	$ 39,000		$ 116,000				$ 116,000		
CENTRAL AVENUE	10	1	CENTRAL AVENUE	66			1	AC	1950	4																		
CENTRAL AVENUE	10	2	CENTRAL AVENUE	429			4	AC	1950	4																		
CENTRAL AVENUE	10	3	CENTRAL AVENUE	13			1	AC	1950	6																		
CENTRAL AVENUE	10	4	CENTRAL AVENUE	1,726			3	AC	1956	6																		
CENTRAL AVENUE	10	5	CENTRAL AVENUE	23			1	AC	1972	9																		
CENTRAL AVENUE	10	6	CENTRAL AVENUE	83			1	AC	1972	9																		
CENTRAL AVENUE	10	7	CENTRAL AVENUE	37			1	STL	1938	6.25																		
CENTRAL AVENUE	10	8	CENTRAL AVENUE	75			1	AC	1.98	7																		
BRIGHT VIEW DRIVE, 1ST	10	9	BRIGHT VIEW DRIVE, 1ST	108			3	AC	1956	9																		
BRIGHT VIEW DRIVE, 1ST	10	10	BRIGHT VIEW DRIVE, 1ST	116			1	AC	1996	6.25																		
BRIGHT VIEW DRIVE, 1ST	10	11	BRIGHT VIEW DRIVE, 1ST	16	3	14	1	STL	1938	6.25	$ 600	$ 12,600	$ 6,600	$ 1,200	$ 38,400	$ 20,400	$ 60,400	$ 11,000	$ 29,500	$ 40,500	$ 100,900	$ 40,500		$ 100,900				$ 100,900		
CYPRESS, 1ST	11	1	CYPRESS, 1ST	332			4	AC	1950	4																		
EUCLID, 1ST	11	2	EUCLID, 1ST	369			4	AC	1950	4																		
EUCLID, 1ST	11	3	EUCLID, 1ST	439			4	AC	1950	4																		
EUCLID, 1ST	11	4	EUCLID, 1ST	364			3	AC	1954	4																		
EUCLID, 1ST	11	5	EUCLID, 1ST	6			1	STL	1950	4.5																		
BERKELEY, 1ST	11	6	BERKELEY, 1ST	68			1	STL	1900	6																		
BERKLEY, 1ST ST	11	7	BERKLEY, 1ST ST	378			3	AC	1950	7																		
BERKLEY, 1ST ST	11	8	BERKLEY, 1ST ST	6			1	CI	1950	6																		
BERKLEY, 1ST ST	11	9	BERKLEY, 1ST ST	462			3	AC	1950	7																		
BERKLEY, 1ST ST	11	10	BERKLEY, 1ST ST	11			1	STL	1938	7.5																		
BERKLEY, 1ST ST	11	11	BERKLEY, 1ST ST	12			1	STL	1938	7.5																		
WEST, 1ST	11	12	WEST, 1ST	412			4	AC	1950	6																		
WEST, 1ST ST	11	13	WEST, 1ST ST	168			3	AC	1957	6																		
WEST, 1ST ST	11	14	WEST, 1ST ST	17			1	STL	1938	7.5																		
WEST, 1ST ST	11	15	WEST, 1ST ST	17	6	129	1	STL	1938	6.25	$ 600	$ 12,600	$ 6,600	$ 1,200	$ 77,200	$ 39,600	$ 78,000	$ 30,200	$ 186,000	$ 216,200	$ 264,200	$ 186,000		$ 450,200				$ 450,200		

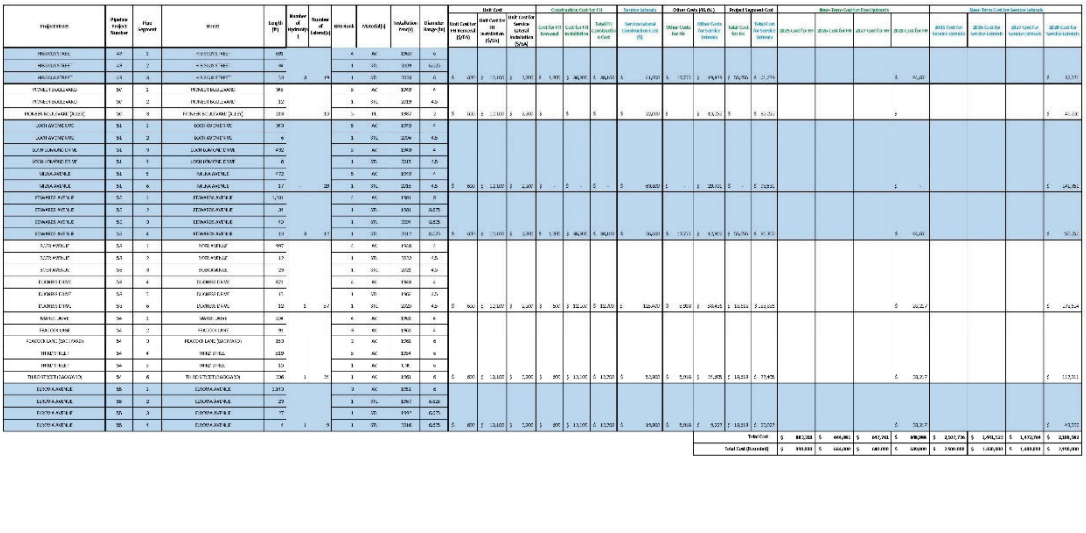












Attachment 3 (continued): MTN-006 Attachment 3.b

Pipeline Replacement	
Pipe Size	Unit Cost ($/ft)
6	270
8	300
12	370
16	400
24	420
0	0

Pipeline abandonment ($/ft)	5
Fire hydrant removal ($/EA)	600
Fire hydrant installation ($/EA)	12,100
Service lateral installation ($/EA)	2,200

Enclosure 2: FWC Pipeline Replacement Cost Estimate

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	BRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.6%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
LOCUST AVENUE	1	1	LOCUST AVENUE	2616	5	STL	1927	6	8	$ 5	$ 300	$ 13,080	$ 784,800	$ 797,880	$ 371,812	$ 1,169,692				
LOCUST AVENUE	1	2	LOCUST AVENUE	73	4	STL	1954	6	8	$ 5	$ 300	$ 365	$ 21,900	$ 22,265	$ 10,375	$ 32,640				
LOCUST AVENUE	1	3	LOCUST AVENUE	79	1	STL	1982	6.625	8	$ 5	$ 300	$ 395	$ 23,700	$ 24,095	$ 11,228	$ 35,323				
LOCUST AVENUE	1	4	LOCUST AVENUE	19	1	STL	2013	6.625	8	$ 5	$ 300	$ 95	$ 5,700	$ 5,795	$ 2,700	$ 8,495		$ 1,313,500		
BEECH AVENUE	2	1	BEECH AVENUE	969	4	GI	1926	2	0	$ 5	$ -	$ 4,845	$ -	$ 4,845	$ 2,258	$ 7,103				
BEECH AVENUE	2	2	BEECH AVENUE	173	4	STL	1946	2	6	$ 5	$ 270	$ 865	$ 46,710	$ 47,575	$ 22,170	$ 69,745				
HEMLOCK AVENUE	2	3	HEMLOCK AVENUE	1154	4	STL	1927	6	8	$ 5	$ 300	$ 5,770	$ 346,200	$ 351,970	$ 164,018	$ 515,988				
HEMLOCK AVENUE	2	4	HEMLOCK AVENUE	100	2	STL	1970	6.625	8	$ 5	$ 300	$ 500	$ 30,000	$ 30,500	$ 14,213	$ 44,713				
HEMLOCK AVENUE	2	5	HEMLOCK AVENUE	44	1	AC	1981	8	8	$ 5	$ 300	$ 220	$ 13,200	$ 13,420	$ 6,254	$ 19,674				
HEMLOCK AVENUE	2	6	HEMLOCK AVENUE	6	1	STL	2004	17.375	8	$ 5	$ 300	$ 30	$ 1,800	$ 1,830	$ 853	$ 2,683				
WASHINGTON DRIVE	2	7	WASHINGTON DRIVE	1324	4	GI	1926	2	0	$ 5	$ -	$ 6,620	$ -	$ 6,620	$ 3,085	$ 9,705		$ 709,500		
CERES AVENUE	3	1	CERES AVENUE	1220	5	STL	1941	4	8	$ 5	$ 300	$ 6,100	$ 366,000	$ 372,100	$ 173,399	$ 545,499				
CERES AVENUE	3	2	CERES AVENUE	261	4	AC	1965	6	8	$ 5	$ 300	$ 1,305	$ 78,300	$ 79,605	$ 37,096	$ 116,701				
CERES AVENUE	3	3	CERES AVENUE	91	5	STL	UNK	4	8	$ 5	$ 300	$ 455	$ 27,300	$ 27,755	$ 12,934	$ 40,689				
MANGO AVENUE	3	4	MANGO AVENUE	610	5	STL	1926	6	12	$ 5	$ 370	$ 3,050	$ 225,700	$ 228,750	$ 106,588	$ 335,348				
MANGO AVENUE	3	5	MANGO AVENUE	45	3	STL	1965	6	12	$ 5	$ 370	$ 225	$ 16,650	$ 16,875	$ 7,864	$ 24,739				
WHEELER AVENUE (ALLEY)	3	6	WHEELER AVENUE (ALLEY)	56	3	STL	1968	6.625	8	$ 5	$ 300	$ 280	$ 16,800	$ 17,080	$ 7,959	$ 25,039				
WHEELER AVENUE (ALLEY)	3	7	WHEELER AVENUE (ALLEY)	708	5	STL	UNK	4	8	$ 5	$ 300	$ 3,540	$ 212,400	$ 215,940	$ 100,628	$ 316,568		$ 1,470,000		
FOOTHILL BOULEVARD	4	1	FOOTHILL BOULEVARD	232	5	STL	1951	6.625	12	$ 5	$ 370	$ 1,160	$ 85,840	$ 87,000	$ 40,542	$ 127,542				
FOOTHILL BOULEVARD	4	2	FOOTHILL BOULEVARD	2409	4	STL	1966	8.625	12	$ 5	$ 370	$ 12,045	$ 891,330	$ 903,375	$ 420,973	$ 1,324,348	$ 1,450,000			
CHERRY AVENUE	5	1	CHERRY AVENUE	2571	5	AC	1965	6	12	$ 5	$ 370	$ 12,855	$ 951,270	$ 964,125	$ 449,282	$ 1,413,407				
CHERRY AVENUE	5	2	CHERRY AVENUE	24	1	STL	2021	6.625	12	$ 5	$ 370	$ 120	$ 8,880	$ 9,000	$ 4,194	$ 13,194				
CHERRY AVENUE	5	3	CHERRY AVENUE	24	1	STL	2023	6.625	12	$ 5	$ 370	$ 120	$ 8,880	$ 9,000	$ 4,194	$ 13,194				
SANTA ANA AVENUE	5	4	SANTA ANA AVENUE	245	4	GI	1926	2	0	$ 5	$ -	$ 1,225	$ -	$ 1,225	$ 571	$ 1,796				
SANTA ANA AVENUE	5	5	SANTA ANA AVENUE	182	5	GI	1927	2	0	$ 5	$ -	$ 910	$ -	$ 910	$ 424	$ 1,334				
SANTA ANA AVENUE	5	6	SANTA ANA AVENUE	1216	5	GI	1937	2	0	$ 5	$ -	$ 6,080	$ -	$ 6,080	$ 2,833	$ 8,913				
SANTA ANA AVENUE	5	7	SANTA ANA AVENUE	26	2	GI	1995	2	0	$ 5	$ -	$ 130	$ -	$ 130	$ 61	$ 191				
SANTA ANA AVENUE	5	8	SANTA ANA AVENUE	32	3	GI	2007	2	0	$ 5	$ -	$ 160	$ -	$ 160	$ 75	$ 235	$ 1,450,000			
ARROW BOULEVARD	6	1	ARROW BOULEVARD	1259	4	STL	1926	4	12	$ 5	$ 370	$ 6,295	$ 465,830	$ 472,125	$ 220,010	$ 692,135				
ARROW BOULEVARD	6	2	ARROW BOULEVARD	1311	4	STL	1941	4	12	$ 5	$ 370	$ 6,555	$ 485,070	$ 491,625	$ 229,097	$ 720,722				
ARROW BOULEVARD	6	3	ARROW BOULEVARD	22	1	STL	2009	4.5	12	$ 5	$ 370	$ 110	$ 8,140	$ 8,250	$ 3,845	$ 12,095	$ 1,420,000			

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	BRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.6%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
LAUREL AVENUE	7	1	LAUREL AVENUE	103	3	CI	1955	6	12	$ 5	$ 370	$ 515	$ 38,110	$ 38,625	$ 17,999	$ 56,624				
LAUREL AVENUE	7	2	LAUREL AVENUE	402	4	CI	1956	6	12	$ 5	$ 370	$ 2,010	$ 148,740	$ 150,750	$ 70,250	$ 221,000				
LAUREL AVENUE	7	3	LAUREL AVENUE	640	2	AC	1965	6	12	$ 5	$ 370	$ 3,200	$ 236,800	$ 240,000	$ 111,840	$ 351,840				
LAUREL AVENUE	7	4	LAUREL AVENUE	321	4	AC	1973	6	12	$ 5	$ 370	$ 1,605	$ 118,770	$ 120,375	$ 56,095	$ 176,470				
LAUREL AVENUE	7	5	LAUREL AVENUE	22	1	STL	2004	6.625	12	$ 5	$ 370	$ 110	$ 8,140	$ 8,250	$ 3,845	$ 12,095				
MERRILL AVENUE	7	6	MERRILL AVENUE	1077	3	STL	1965	12.75	12	$ 5	$ 370	$ 5,385	$ 398,490	$ 403,875	$ 188,206	$ 592,081	$ 1,410,000			
CERES AVENUE	8	1	CERES AVENUE	4	4	STL	1913	4	8	$ 5	$ 300	$ 20	$ 1,200	$ 1,220	$ 569	$ 1,789				
CERES AVENUE	8	2	CERES AVENUE	1020	4	AC	1965	6	8	$ 5	$ 300	$ 5,100	$ 306,000	$ 311,100	$ 144,980	$ 456,080				
CERES AVENUE	8	3	CERES AVENUE	33	3	AC	1981	6	8	$ 5	$ 300	$ 165	$ 9,900	$ 10,065	$ 4,691	$ 14,756				
CERES AVENUE	8	4	CERES AVENUE	24	1	STL	2004	6	8	$ 5	$ 300	$ 120	$ 7,200	$ 7,320	$ 3,411	$ 10,731				
JUNIPER AVENUE	8	5	JUNIPER AVENUE	722	5	STL	1927	10	12	$ 5	$ 370	$ 3,610	$ 267,140	$ 270,750	$ 126,170	$ 396,920				
JUNIPER AVENUE	8	6	JUNIPER AVENUE	18	2	STL	2007	10.75	12	$ 5	$ 370	$ 90	$ 6,660	$ 6,750	$ 3,146	$ 9,896				
JUNIPER AVENUE	8	7	JUNIPER AVENUE	9	3	STL	2010	12.75	12	$ 5	$ 370	$ 45	$ 3,330	$ 3,375	$ 1,573	$ 4,948				
CYPRESS AVENUE	8	8	CYPRESS AVENUE	338	5	STL	1943	6	8	$ 5	$ 300	$ 1,690	$ 101,400	$ 103,090	$ 48,040	$ 151,130				
CYPRESS AVENUE	8	9	CYPRESS AVENUE	714	5	STL	1945	8	8	$ 5	$ 300	$ 3,570	$ 214,200	$ 217,770	$ 101,481	$ 319,251				
NUEVO AVENUE (ALLEY)	8	10	NUEVO AVENUE (ALLEY)	775	4	GI	1944	2	8	$ 5	$ 300	$ 3,875	$ 232,500	$ 236,375	$ 110,151	$ 346,526		$ 1,816,500		
CYPRESS AVENUE	9	1	CYPRESS AVENUE	3743	5	STL	1943	8	12	$ 5	$ 370	$ 18,715	$ 1,384,910	$ 1,403,625	$ 654,089	$ 2,057,714				
CYPRESS AVENUE	9	2	CYPRESS AVENUE	35	2	STL	1966	8	12	$ 6	$ 370	$ 175	$ 12,950	$ 13,125	$ 6,116	$ 19,241				
CYPRESS AVENUE	9	3	CYPRESS AVENUE	29	1	STL	2004	8.625	12	$ 5	$ 370	$ 145	$ 10,730	$ 10,875	$ 5,068	$ 15,943				
CYPRESS AVENUE	9	4	CYPRESS AVENUE	24	1	STL	2018	8.625	12	$ 5	$ 370	$ 120	$ 8,880	$ 9,000	$ 4,194	$ 13,194				
CYPRESS AVENUE	9	5	CYPRESS AVENUE	52	3	STL	UNK	4	12	$ 5	$ 370	$ 260	$ 19,240	$ 19,500	$ 9,087	$ 28,587		$ 2,226,000		
SAN BERNARDINO AVENUE	10	1	SAN BERNARDINO AVENUE	3759	5	STL	1944	16	16	$ 5	$ 400	$ 18,795	$ 1,503,600	$ 1,522,395	$ 709,456	$ 2,231,851				
SAN BERNARDINO AVENUE	10	2	SAN BERNARDINO AVENUE	19	1	STL	1991	17.375	16	$ 5	$ 400	$ 95	$ 7,600	$ 7,695	$ 3,586	$ 11,281				
SAN BERNARDINO AVENUE	10	3	SAN BERNARDINO AVENUE	46	1	STL	1992	17.375	16	$ 5	$ 400	$ 230	$ 18,400	$ 18,630	$ 8,682	$ 27,312	$ 2,270,000			
ETIWANDA AVENUE	11	1	ETIWANDA AVENUE	342	5	AC	1956	10	12	$ 5	$ 370	$ 1,710	$ 126,540	$ 128,250	$ 59,765	$ 188,015				
ETIWANDA AVENUE	11	2	ETIWANDA AVENUE	493	5	AC	1965	10	12	$ 5	$ 370	$ 2,465	$ 182,410	$ 184,875	$ 86,152	$ 271,027		$ 485,000		
ATHOL STREET	12	1	ATHOL STREET	157	5	STL	1946	6	8	$ 5	$ 300	$ 785	$ 47,100	$ 47,885	$ 22,314	$ 70,199				
ATHOL STREET	12	2	ATHOL STREET	264	5	STL	1947	6	8	$ 5	$ 300	$ 1,320	$ 79,200	$ 80,520	$ 37,522	$ 118,042				
ATHOL STREET	12	3	ATHOL STREET	155	5	STL	1948	6	8	$ 5	$ 300	$ 775	$ 46,500	$ 47,275	$ 22,030	$ 69,305				
ATHOL STREET	12	4	ATHOL STREET	645	4	STL	1950	6	8	$ 5	$ 300	$ 3,225	$ 193,500	$ 196,725	$ 91,674	$ 288,399				
ATHOL STREET	12	5	ATHOL STREET	636	4	STL	1951	6	8	$ 5	$ 300	$ 3,180	$ 190,800	$ 193,980	$ 90,395	$ 284,375				
ATHOL STREET	12	6	ATHOL STREET	375	3	CI	1956	6	8	$ 5	$ 300	$ 1,875	$ 112,500	$ 114,375	$ 53,299	$ 167,674				
ATHOL STREET	12	7	ATHOL STREET	784	4	AC	1965	6	8	$ 5	$ 300	$ 3,920	$ 238,200	$ 242,120	$ 112,851	$ 355,021				
ATHOL STREET	12	8	ATHOL STREET	306	2	STL	1989	8.625	8	$ 5	$ 300	$ 1,530	$ 91,800	$ 93,330	$ 43,492	$ 136,822				
ATHOL STREET	12	9	ATHOL STREET	8	4	STL	2014	6	8	$ 5	$ 300	$ 40	$ 2,400	$ 2,440	$ 1,137	$ 3,577				
ATHOL STREET	12	10	ATHOL STREET	9	1	STL	2021	8.625	8	$ 5	$ 300	$ 45	$ 2,700	$ 2,745	$ 1,279	$ 4,024				
ATHOL STREET	12	11	ATHOL STREET	18	1	STL	2021	6.625	8	$ 5	$ 300	$ 90	$ 5,400	$ 5,490	$ 2,558	$ 8,048				
ATHOL STREET	12	12	ATHOL STREET	8	1	STL	2023	6.625	8	$ 5	$ 300	$ 40	$ 2,400	$ 2,440	$ 1,137	$ 3,577			$ 1,661,000	

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	BRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.6%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
ASPEN AVENUE	13	1	ASPEN AVENUE	613	5	STL	1948	6	8	$ 5	$ 300	$ 3,065	$ 183,900	$ 186,965	$ 87,116	$ 274,081				
ASPEN AVENUE	13	2	ASPEN AVENUE	10	1	STL	1979	6.625	8	$ 5	$ 300	$ 50	$ 3,000	$ 3,050	$ 1,421	$ 4,471				
TERRY STREET	15	3	TERRY STREET	360	5	STL	1948	6	8	$ 5	$ 300	$ 1,800	$ 108,000	$ 109,800	$ 51,167	$ 160,967				
TERRY STREET	15	4	TERRY STREET	7	1	STL	2003	8.625	8	$ 5	$ 300	$ 35	$ 2,100	$ 2,135	$ 995	$ 3,130			$ 484,000	
CITRON COURT	14	1	CITRON COURT	230	3	AC	1977	6	6	$ 5	$ 270	$ 1,150	$ 62,100	$ 63,250	$ 29,475	$ 92,725				
MANGO AVENUE	14	2	MANGO AVENUE	770	5	STL	1926	6	12	$ 5	$ 370	$ 3,850	$ 284,900	$ 288,750	$ 134,558	$ 423,308				$ 598,000
LOCUST AVENUE	15	1	LOCUST AVENUE	1546	5	STL	1927	6	8	$ 5	$ 300	$ 7,730	$ 463,800	$ 471,530	$ 219,733	$ 691,263				
LOCUST AVENUE	15	2	LOCUST AVENUE	42	2	AC	1985	6	8	$ 5	$ 300	$ 210	$ 12,600	$ 12,810	$ 5,969	$ 18,779				
LOCUST AVENUE	15	3	LOCUST AVENUE	34	1	STL	2003	8.625	8	$ 5	$ 300	$ 70	$ 4,200	$ 4,270	$ 1,990	$ 6,260			$ 792,000	
BARBEE STREET	16	1	BARBEE STREET	166	5	STL	1947	6	8	$ 5	$ 300	$ 830	$ 49,800	$ 50,630	$ 23,594	$ 74,224				
BARBEE STREET	16	2	BARBEE STREET	162	5	STL	1949	6	8	$ 5	$ 300	$ 810	$ 48,600	$ 49,410	$ 23,025	$ 72,435				
BARBEE STREET	16	3	BARBEE STREET	308	5	STL	1951	6	8	$ 5	$ 300	$ 1,540	$ 92,400	$ 93,940	$ 43,776	$ 137,716				
BARBEE STREET	16	4	BARBEE STREET	41	1	STL	1973	6.625	8	$ 5	$ 300	$ 205	$ 12,300	$ 12,505	$ 5,827	$ 18,332				
BENNETT AVENUE	16	5	BENNETT AVENUE	181	4	STL	1944	6	6	$ 5	$ 270	$ 905	$ 48,870	$ 49,775	$ 23,195	$ 72,970				
BENNETT AVENUE	16	6	BENNETT AVENUE	307	4	CI	1945	2	6	$ 5	$ 270	$ 1,535	$ 82,890	$ 84,425	$ 39,342	$ 123,767				
BENNETT AVENUE	16	7	BENNETT AVENUE	184	4	STL	1953	6	6	$ 5	$ 270	$ 920	$ 49,680	$ 50,600	$ 23,580	$ 74,180			$ 627,000	
LAUREL AVENUE	17	1	LAUREL AVENUE	856	5	STL	1949	6	8	$ 5	$ 300	$ 4,280	$ 256,800	$ 261,080	$ 121,663	$ 382,743				
REED STREET	17	2	REED STREET	671	4	STL	1948	6	8	$ 4	$ 300	$ 2,684	$ 201,300	$ 203,984	$ 96,013	$ 300,471		$ 714,000		
PALMETTO AVENUE	18	1	PALMETTO AVENUE	1285	4	CI	1925	2	6	$ 5	$ 270	$ 6,425	$ 346,950	$ 353,375	$ 164,673	$ 518,048				
PALMETTO AVENUE	18	2	PALMETTO AVENUE	37	3	STL	1970	6.625	6	$ 5	$ 270	$ 185	$ 9,990	$ 10,175	$ 4,742	$ 14,917				
PALMETTO AVENUE	18	3	PALMETTO AVENUE	60	2	CI	1970	2	6	$ 5	$ 270	$ 300	$ 16,200	$ 16,500	$ 7,689	$ 24,189			$ 616,000	
JUNIPER AVENUE	19	1	JUNIPER AVENUE	2698	5	STL	1927	8	8	$ 5	$ 300	$ 13,490	$ 809,400	$ 822,890	$ 383,467	$ 1,206,357				
JUNIPER AVENUE	19	2	JUNIPER AVENUE	7	3	STL	1965	6.625	8	$ 5	$ 300	$ 35	$ 2,100	$ 2,135	$ 995	$ 3,130				
JUNIPER AVENUE	19	3	JUNIPER AVENUE	18	2	STL	2018	8.625	8	$ 5	$ 300	$ 90	$ 5,400	$ 5,490	$ 2,558	$ 8,048		$ 1,291,000		
CATAWBA AVENUE	20	1	CATAWBA AVENUE	150	5	STL	1955	6	8	$ 5	$ 300	$ 750	$ 45,000	$ 45,750	$ 21,320	$ 67,070				
CATAWBA AVENUE	20	2	CATAWBA AVENUE	691	5	STL	1955	5	8	$ 5	$ 300	$ 3,455	$ 207,300	$ 210,755	$ 98,212	$ 308,967				
CATAWBA AVENUE	20	3	CATAWBA AVENUE	16	1	STL	1985	6.625	8	$ 5	$ 300	$ 80	$ 4,800	$ 4,880	$ 2,274	$ 7,154				$ 497,000
RAMONA AVENUE	21	1	RAMONA AVENUE	1286	5	STL	1947	6	8	$ 5	$ 300	$ 6,430	$ 385,800	$ 392,230	$ 182,779	$ 575,009				
RAMONA AVENUE	21	2	RAMONA AVENUE	5	1	STL	2003	8.625	8	$ 5	$ 300	$ 25	$ 1,500	$ 1,525	$ 711	$ 2,236			$ 638,000	
GRACE AVENUE	22	1	GRACE AVENUE	216	5	CI	1930	2	6	$ 5	$ 270	$ 1,080	$ 58,320	$ 59,400	$ 27,680	$ 87,080				
GRACE AVENUE	22	2	GRACE AVENUE	152	5	CI	1941	2	6	$ 5	$ 270	$ 760	$ 41,040	$ 41,800	$ 19,479	$ 61,279				
GRACE AVENUE	22	3	GRACE AVENUE	183	5	CI	1949	2	6	$ 5	$ 270	$ 915	$ 49,410	$ 50,325	$ 23,451	$ 73,776				
GRACE AVENUE	22	4	GRACE AVENUE	31	2	STL	1966	6.625	6	$ 5	$ 270	$ 155	$ 8,370	$ 8,525	$ 3,973	$ 12,498				
GRACE AVENUE	22	5	GRACE AVENUE	10	2	STL	1966	2	6	$ 5	$ 270	$ 90	$ 4,860	$ 4,950	$ 2,307	$ 7,257				
GRACE AVENUE	22	6	GRACE AVENUE	22	1	CI	1985	2	6	$ 5	$ 270	$ 110	$ 5,940	$ 6,050	$ 2,819	$ 8,869			$ 275,000	

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	BRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.6%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
FAIRFAX STREET	23	1	FAIRFAX STREET	589	5	STL	1948	6	8	$ 5	$ 300	$ 2,945	$ 176,700	$ 179,645	$ 83,715	$ 263,360				
FAIRFAX STREET	23	2	FAIRFAX STREET	34	2	STL	1973	6.625	8	$ 5	$ 300	$ 170	$ 10,200	$ 10,370	$ 4,832	$ 15,202			$ 508,000	
MALAGA STREET	24	1	MALAGA STREET	671	5	STL	1950	6	8	$ 5	$ 300	$ 3,355	$ 201,300	$ 204,655	$ 95,369	$ 300,024				
MALAGA STREET	24	2	MALAGA STREET	676	3	CI	1955	6	8	$ 5	$ 300	$ 3,380	$ 202,800	$ 206,180	$ 96,080	$ 302,260			$ 660,000	
PAINE STREET	25	1	PAINE STREET	263	5	STL	1947	6	8	$ 5	$ 300	$ 1,315	$ 78,900	$ 80,215	$ 37,380	$ 117,595				
PAINE STREET	25	2	PAINE STREET	189	5	STL	1948	6	8	$ 5	$ 300	$ 945	$ 56,700	$ 57,645	$ 26,865	$ 84,508				
PAINE STREET	25	3	PAINE STREET	293	5	STL	1950	6	8	$ 5	$ 300	$ 1,465	$ 87,900	$ 89,365	$ 41,644	$ 131,009				
PAINE STREET	25	4	PAINE STREET	207	4	CI	1957	4	8	$ 5	$ 300	$ 1,035	$ 62,100	$ 63,135	$ 29,421	$ 92,556				
PAINE STREET	25	5	PAINE STREET	17	3	STL	1958	6.625	8	$ 5	$ 300	$ 85	$ 5,100	$ 5,185	$ 2,416	$ 7,601			$ 473,000	
ATHOL STREET	26	1	ATHOL STREET	652	5	STL	1949	6	8	$ 5	$ 300	$ 3,260	$ 195,600	$ 198,860	$ 92,669	$ 291,529				
ATHOL STREET	26	2	ATHOL STREET	465	4	CI	1955	6	8	$ 5	$ 300	$ 2,325	$ 139,500	$ 141,825	$ 66,090	$ 207,915				
ATHOL STREET	26	3	ATHOL STREET	179	3	PL	1987	6	8	$ 5	$ 300	$ 895	$ 53,700	$ 54,595	$ 25,441	$ 80,036			$ 638,000	
NUEVO AVENUE	27	1	NUEVO AVENUE	564	5	CI	1944	2	6	$ 5	$ 270	$ 2,820	$ 152,280	$ 155,100	$ 72,277	$ 227,377				
NUEVO AVENUE	27	2	NUEVO AVENUE	31	2	CI	1975	2	6	$ 5	$ 270	$ 155	$ 8,370	$ 8,525	$ 3,973	$ 12,498				
SEVILLE AVENUE	27	3	SEVILLE AVENUE	394	4	CI	1944	2	12	$ 5	$ 370	$ 1,970	$ 145,780	$ 147,750	$ 68,852	$ 216,602				
SEVILLE AVENUE	27	4	SEVILLE AVENUE	6	1	CI	2003	2	12	$ 5	$ 370	$ 30	$ 2,220	$ 2,250	$ 1,049	$ 3,299			$ 506,000	
BENNETT AVENUE	28	1	BENNETT AVENUE	480	4	STL	1948	6	8	$ 5	$ 300	$ 2,400	$ 144,000	$ 146,400	$ 68,222	$ 214,622				
FONTLEE LANE	28	2	FONTLEE LANE	244	4	STL	1948	6	8	$ 4	$ 300	$ 1,220	$ 73,200	$ 74,420	$ 34,680	$ 109,100			$ 883,000	
MAPLE AVENUE	29	1	MAPLE AVENUE	445	5	STL	1949	6	12	$ 5	$ 370	$ 2,225	$ 164,650	$ 166,875	$ 77,764	$ 244,639				
MAPLE AVENUE	29	2	MAPLE AVENUE	1874	4	CI	1958	6	12	$ 5	$ 370	$ 9,370	$ 693,380	$ 702,750	$ 327,482	$ 1,030,232			$ 1,397,000	
PAINE STREET	30	1	PAINE STREET	1313	5	STL	1948	6	8	$ 5	$ 300	$ 6,565	$ 393,900	$ 400,465	$ 186,617	$ 587,082				$ 678,500
BANANA AVENUE	31	1	BANANA AVENUE	801	3	AC	1980	8	12	$ 5	$ 370	$ 4,005	$ 296,370	$ 300,375	$ 139,975	$ 440,350				
BANANA AVENUE	31	2	BANANA AVENUE	58	1	STL	2003	8.625	12	$ 5	$ 370	$ 290	$ 14,060	$ 14,250	$ 6,641	$ 20,891				
BANANA AVENUE	31	3	BANANA AVENUE	30	2	STL	2009	8.625	12	$ 5	$ 370	$ 150	$ 11,100	$ 11,250	$ 5,243	$ 16,493			$ 528,000	
ROSEMARY DRIVE	32	1	ROSEMARY DRIVE	631	4	STL	1946	6	8	$ 5	$ 300	$ 3,155	$ 189,300	$ 192,455	$ 89,684	$ 282,139				
ROSEMARY DRIVE	32	2	ROSEMARY DRIVE	711	4	STL	1948	6	8	$ 5	$ 300	$ 3,555	$ 213,300	$ 216,855	$ 101,054	$ 317,909				
ROSEMARY DRIVE	32	3	ROSEMARY DRIVE	43	1	STL	1986	6.625	8	$ 5	$ 300	$ 215	$ 12,900	$ 13,115	$ 6,112	$ 19,227			$ 682,000	
CRISS STREET	33	1	CRISS STREET	320	5	CI	1928	2	8	$ 5	$ 300	$ 1,600	$ 96,000	$ 97,600	$ 45,482	$ 143,082				
CRISS STREET	33	2	CRISS STREET	108	5	CI	1938	2	8	$ 5	$ 300	$ 540	$ 32,400	$ 32,940	$ 15,350	$ 48,290				
CRISS STREET	33	3	CRISS STREET	152	5	CI	1952	2	8	$ 5	$ 300	$ 760	$ 45,600	$ 46,360	$ 21,604	$ 67,964				
CRISS STREET	33	4	CRISS STREET	239	5	CI	1953	2	8	$ 5	$ 300	$ 1,195	$ 71,700	$ 72,895	$ 33,969	$ 106,864				
CRISS STREET	33	5	CRISS STREET	24	1	CI	1973	2	8	$ 5	$ 300	$ 120	$ 7,200	$ 7,320	$ 3,411	$ 10,731				
CRISS STREET	33	6	CRISS STREET	12	1	STL	2018	2	8	$ 5	$ 300	$ 60	$ 3,600	$ 3,660	$ 1,706	$ 5,366				
DORSEY STREET	33	7	DORSEY STREET	610	4	CI	1955	4	8	$ 5	$ 300	$ 3,050	$ 183,000	$ 186,050	$ 86,699	$ 272,749				
DORSEY STREET	33	8	DORSEY STREET	31	1	STL	2021	4.5	8	$ 5	$ 300	$ 155	$ 9,300	$ 9,455	$ 4,406	$ 13,861			$ 737,000	

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	BRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.6%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
MANGO AVENUE	34	1	MANGO AVENUE	947	5	STL	1913	6	8	$ 5	$ 300	$ 4,735	$ 284,100	$ 288,835	$ 134,587	$ 423,422				
MANGO AVENUE	34	2	MANGO AVENUE	51	4	STL	1924	6	8	$ 5	$ 300	$ 160	$ 9,600	$ 9,760	$ 4,548	$ 14,308				
MANGO AVENUE	34	3	MANGO AVENUE	5	1	STL	1985	6	8	$ 5	$ 300	$ 25	$ 1,500	$ 1,525	$ 711	$ 2,236				$ 306,000
HIBISCUS AVENUE	35	1	HIBISCUS AVENUE	1218	5	STL	1948	6	8	$ 5	$ 300	$ 6,148	$ 368,400	$ 374,540	$ 174,556	$ 549,096			$ 638,000	
HIBISCUS AVENUE	35	2	HIBISCUS AVENUE	64	2	STL	1970	6.625	8	$ 5	$ 300	$ 320	$ 19,200	$ 19,520	$ 9,096	$ 28,616				
EL MOLINO STREET	36	1	EL MOLINO STREET	665	4	STL	1948	6	8	$ 5	$ 300	$ 3,325	$ 199,500	$ 202,825	$ 94,516	$ 297,341				
ROSEMARY DRIVE	36	2	ROSEMARY DRIVE	650	4	STL	1948	6	8	$ 5	$ 300	$ 3,250	$ 195,000	$ 198,250	$ 92,385	$ 290,635				$ 678,500
ACACIA AVENUE	37	1	ACACIA AVENUE	2674	4	GI	1925	2	8	$ 5	$ 300	$ 13,370	$ 802,200	$ 815,570	$ 380,066	$ 1,195,636				
ACACIA AVENUE	37	2	ACACIA AVENUE	25	2	GI	1959	2	8	$ 5	$ 300	$ 125	$ 7,500	$ 7,625	$ 3,553	$ 11,178				
ACACIA AVENUE	37	3	ACACIA AVENUE	26	2	UNK	1970	2	8	$ 5	$ 300	$ 130	$ 7,800	$ 7,930	$ 3,695	$ 11,625				$ 1,403,000
SPRING STREET (ALLEY)	38	1	SPRING STREET (ALLEY)	28	4	STL	1951	8	12	$ 5	$ 370	$ 140	$ 10,360	$ 10,500	$ 4,893	$ 15,393				
SPRING STREET (ALLEY)	38	2	SPRING STREET (ALLEY)	725	3	STL	1967	8.625	12	$ 5	$ 370	$ 3,625	$ 268,250	$ 271,875	$ 126,694	$ 398,569				$ 471,500
BEECH STREET	39	1	BEECH STREET	662	4	STL	1949	6	8	$ 5	$ 300	$ 3,310	$ 198,600	$ 201,910	$ 94,090	$ 296,000				
ORCHID AVENUE	39	2	ORCHID AVENUE	653	5	STL	1940	6	8	$ 5	$ 300	$ 3,265	$ 195,900	$ 199,165	$ 92,811	$ 291,976				$ 678,500
FILBERT STREET	40	1	FILBERT STREET	565	5	STL	1947	6	8	$ 5	$ 300	$ 2,825	$ 169,500	$ 172,325	$ 80,303	$ 252,628				
FILBERT STREET	40	2	FILBERT STREET	722	4	CI	1952	6	8	$ 5	$ 300	$ 3,610	$ 216,600	$ 220,210	$ 102,618	$ 322,828				
FILBERT STREET	40	3	FILBERT STREET	7	2	STL	1968	6.625	8	$ 5	$ 300	$ 35	$ 2,100	$ 2,135	$ 995	$ 3,130				
FILBERT STREET	40	4	FILBERT STREET	23	3	AC	1968	6	8	$ 5	$ 300	$ 115	$ 6,900	$ 7,015	$ 3,269	$ 10,284				
PEPPER COURT	40	5	PEPPER COURT	205	4	CI	1952	4	6	$ 5	$ 270	$ 1,030	$ 55,620	$ 56,650	$ 26,399	$ 83,049				
SEWELL COURT	40	6	SEWELL COURT	188	3	CI	1952	4	6	$ 5	$ 270	$ 940	$ 50,760	$ 51,700	$ 24,092	$ 75,792				$ 862,500
JUNIPER AVENUE	41	1	JUNIPER AVENUE	2543	5	STL	1927	6	8	$ 5	$ 300	$ 12,715	$ 762,900	$ 775,615	$ 361,437	$ 1,137,052				
JUNIPER AVENUE	41	2	JUNIPER AVENUE	7	4	STL	1927	8	8	$ 5	$ 300	$ 35	$ 2,100	$ 2,135	$ 995	$ 3,130				$ 1,211,000
RAYMOND COURT	42	1	RAYMOND COURT	511	5	GI	1950	2	6	$ 5	$ 270	$ 2,555	$ 137,970	$ 140,525	$ 65,485	$ 206,010				
RAYMOND COURT	42	2	RAYMOND COURT	194	5	STL	1950	4	6	$ 5	$ 270	$ 970	$ 52,380	$ 53,350	$ 24,861	$ 78,211				$ 322,000
HIBISCUS STREET	43	1	HIBISCUS STREET	539	4	AC	1964	6	6	$ 5	$ 270	$ 2,695	$ 145,530	$ 148,225	$ 69,073	$ 217,298				
TANGELO AVENUE	43	2	TANGELO AVENUE	778	3	AC	1964	6	6	$ 5	$ 270	$ 3,890	$ 210,060	$ 213,950	$ 99,701	$ 313,651				$ 609,500
ENCINITAS COURT	44	1	ENCINITAS COURT	391	3	AC	1980	6	6	$ 5	$ 270	$ 1,955	$ 105,570	$ 107,525	$ 50,107	$ 157,632				
JACKSON AVENUE	44	2	JACKSON AVENUE	991	3	AC	1980	6	8	$ 5	$ 300	$ 4,955	$ 297,300	$ 302,255	$ 140,851	$ 443,106				$ 690,000
IRIS DRIVE	45	1	IRIS DRIVE	1242	5	STL	1958	6	8	$ 5	$ 300	$ 6,210	$ 372,600	$ 378,810	$ 176,515	$ 555,325				
IRIS DRIVE	45	2	IRIS DRIVE	5	1	STL	1997	6.625	8	$ 5	$ 300	$ 25	$ 1,500	$ 1,525	$ 711	$ 2,236				
IRIS DRIVE	45	3	IRIS DRIVE	22	1	STL	2007	8.625	8	$ 5	$ 300	$ 110	$ 6,600	$ 6,710	$ 3,127	$ 9,837				$ 655,500
FOREST AVENUE	46	1	FOREST AVENUE	411	4	PL	1989	6	8	$ 5	$ 300	$ 2,055	$ 123,300	$ 125,355	$ 58,415	$ 183,770				
VALENCIA AVENUE	46	2	VALENCIA AVENUE	211	4	PL	1991	4	6	$ 5	$ 270	$ 1,055	$ 56,970	$ 58,025	$ 27,040	$ 85,065				
WEDGEWOOD AVENUE	46	3	WEDGEWOOD AVENUE	185	4	PL	1991	4	6	$ 5	$ 270	$ 925	$ 49,950	$ 50,875	$ 23,708	$ 74,583				$ 391,000

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	BRE Rank	Material(s)	Installation Year(s)	Diameter Range (in)	Recommended Replacement Pipe Size (in)	Unit Cost		Construction Cost for Mains			Cost Factors (46.6%)	Project Segment Cost	Near-Term Cost for Mains			
										Unit Pipeline Abandonment Cost ($/ft)	Unit Pipeline Replacement Cost ($/ft)	Pipeline Abandonment Cost	Pipeline Replacement Cost	Total Pipeline Construction Cost	Cost Factors for Mains	Project Segment Cost for Mains	2025 Budget for Mains	2026 Budget for Mains	2027 Budget for Mains	2028 Budget for Mains
MULBERRY AVENUE	47	1	MULBERRY AVENUE	3	2	GI	1963	2	8	$ 5	$ 300	$ 15	$ 900	$ 915	$ 426	$ 1,341				
MULBERRY AVENUE	47	2	MULBERRY AVENUE	969	3	AC	1963	6	8	$ 5	$ 300	$ 4,845	$ 290,700	$ 295,545	$ 137,724	$ 433,269				
MULBERRY AVENUE	47	3	MULBERRY AVENUE	18	1	STL	2013	6.625	8	$ 5	$ 300	$ 90	$ 5,400	$ 5,490	$ 2,558	$ 8,048				$ 306,000
WASHINGTON DRIVE	48	1	WASHINGTON DRIVE	2023	3	AC	1981	8	12	$ 5	$ 370	$ 10,115	$ 748,510	$ 758,625	$ 353,519	$ 1,112,144				
WASHINGTON DRIVE	48	2	WASHINGTON DRIVE	24	1	STL	2020	8.625	12	$ 5	$ 370	$ 120	$ 8,880	$ 9,000	$ 4,194	$ 13,194				$ 1,299,500
NUEVO AVENUE (ALLEY)	49	1	NUEVO AVENUE (ALLEY)	418	3	STL	1965	6.625	8	$ 5	$ 300	$ 2,190	$ 130,400	$ 133,590	$ 62,253	$ 195,843				
NUEVO AVENUE (ALLEY)	49	2	NUEVO AVENUE (ALLEY)	15	3	AC	1968	8	8	$ 5	$ 300	$ 75	$ 4,500	$ 4,575	$ 2,132	$ 6,707				$ 298,000
ROSEMARY DRIVE	50	1	ROSEMARY DRIVE	1264	4	STL	1950	6	8	$ 5	$ 300	$ 6,320	$ 379,200	$ 385,520	$ 179,652	$ 565,172				
ROSEMARY DRIVE	50	2	ROSEMARY DRIVE	12	1	STL	1997	6.625	8	$ 5	$ 300	$ 60	$ 3,600	$ 3,660	$ 1,706	$ 5,366				$ 655,500
FILBERT STREET	51	1	FILBERT STREET	534	3	AC	1958	4	6	$ 5	$ 270	$ 2,670	$ 144,180	$ 146,850	$ 68,452	$ 215,282				
FILBERT STREET	51	2	FILBERT STREET	163	5	AC	1958	6	8	$ 5	$ 300	$ 815	$ 48,900	$ 49,715	$ 23,167	$ 72,882				
FILBERT STREET	51	3	FILBERT STREET	77	4	CI	1952	6	8	$ 5	$ 300	$ 385	$ 23,100	$ 23,485	$ 10,944	$ 34,429				
HAWTHORNE AVENUE	51	4	HAWTHORNE AVENUE	570	3	AC	1950	4	6	$ 5	$ 270	$ 2,850	$ 153,900	$ 156,750	$ 73,046	$ 229,796				$ 632,500
BLANCHARD AVENUE	52	1	BLANCHARD AVENUE	721	3	AC	1979	6	8	$ 5	$ 300	$ 3,605	$ 216,300	$ 219,905	$ 102,476	$ 322,381				
CITRON COURT	52	2	CITRON COURT	33	3	AC	1979	6	8	$ 5	$ 300	$ 165	$ 9,900	$ 10,065	$ 4,690	$ 14,755				$ 391,000
				88,929																
																Total Cost	$ 8,000,000	$ 10,000,500	$ 12,012,000	$ 14,007,000
																Total Cost (Rounded)	$ 8,000,000	$ 10,000,000	$ 12,000,000	$ 14,000,000

Enclosure 2: FWC Pipeline Replacement Cost Estimate

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	Number of Hydrant(s)	Number of Lateral(s)	WIC Hash	Materials	Installation Year	Diameter Range (in)	Unit Cost			Construction Cost for FH			Service Laterals	Other Costs (All ATs)		Project Segment Cost		Near-Term Cost for Fire Hydrants				Near-Term Cost for Service Laterals			
											Unit Cost for FH Removal ($/LF)	Unit Cost for FH Installation ($/LF)	Unit Cost for Service Lateral Installation ($/LF)	Cost for FH Removal	Cost for FH Installation	Total FH Construction Cost	Service Lateral Construction Cost ($)	Other Costs for FH	Other Costs for Service Laterals	Total Cost for FH	Total Cost for Service Laterals	2025: Cost for FH	2026: Cost for FH	2027: Cost for FH	2028: Cost for FH	2025: Cost for Service Laterals	2026: Cost for Service Laterals	2027: Cost for Service Laterals	2028: Cost for Service Laterals
LOCUST AVENUE	1	1	LOCUST AVENUE	1983			9	WL	1937	6																		
LOCUST AVENUE	1	2	LOCUST AVENUE	78			4	WL	1964	6																		
LOCUST AVENUE	1	3	LOCUST AVENUE	79			1	WL	1963	6.625																		
LOCUST AVENUE	1	4	LOCUST AVENUE	19	2	91	1	WL	1973	8.625	$ 600	$ 132.00	$ 2,250	$ 1,200	$ 24,200	$ 25,400	$ 68,200	$ 11,400	$ 91,716	$ 97,266	$ 159,881		$ 93,626				$ 159,881		
BEECH AVENUE	2	1	BEECH AVENUE	210			4	GI	1920	2																		
BEECH AVENUE	2	2	BEECH AVENUE	179			4	WL	1940	2																		
HEMLOCK AVENUE	2	3	HEMLOCK AVENUE	1154			4	ST	1937	6																		
HEMLOCK AVENUE	2	4	HEMLOCK AVENUE	130			2	WL	1970	8.625																		
HEMLOCK AVENUE	2	5	HEMLOCK AVENUE	44			1	AC	1981	8																		
HEMLOCK AVENUE	2	6	HEMLOCK AVENUE	8			1	WL	2004	17.375																		
WASHINGTON DRIVE	2	7	WASHINGTON DRIVE	1924	2	92	4	HI	1920	2	$ 600	$ 132.00	$ 2,250	$ 1,200	$ 24,200	$ 25,400	$ 70,400	$ 11,400	$ 92,874	$ 97,274	$ 164,274		$ 94,326				$ 164,274		
CERES AVENUE	3	1	CERES AVENUE	1220			5	ST	1948	4																		
CERES AVENUE	3	2	CERES AVENUE	196			4	AC	1965	6																		
CERES AVENUE	3	3	CERES AVENUE	81			5	ST	UNK	4																		
MANGO AVENUE	3	4	MANGO AVENUE	610			9	WL	1925	6																		
MANGO AVENUE	3	5	MANGO AVENUE	45			9	ST	1965	6																		
WHEELER AVENUE (ALLEY)	3	6	WHEELER AVENUE (ALLEY)	38			9	ST	1969	8.625																		
WHEELER AVENUE (ALLEY)	3	7	WHEELER AVENUE (ALLEY)	708	4	29	5	ST	UNK	4	$ 600	$ 132.00	$ 2,250	$ 2,400	$ 48,400	$ 50,800	$ 63,800	$ 10,272	$ 25,731	$ 74,473	$ 98,531	$ 98,146				$ 136,731			
FOOTHILL BOULEVARD	4	1	FOOTHILL BOULEVARD	192			9	WL	1951	8.625																		
FOOTHILL BOULEVARD	4	2	FOOTHILL BOULEVARD	2409	2	17	4	WL	1949	8.625	$ 600	$ 132.00	$ 2,250	$ 1,200	$ 24,200	$ 25,400	$ 97,400	$ 11,400	$ 17,428	$ 97,274	$ 34,828	$ 44,722				$ 72,247			
CHERRY AVENUE	5	1	CHERRY AVENUE	2571			5	AC	1963	6																		
CHERRY AVENUE	5	2	CHERRY AVENUE	24			1	WL	1921	8.625																		
CHERRY AVENUE	5	3	CHERRY AVENUE	24			1	ST	1923	6.625																		
SANTA ANA AVENUE	5	4	SANTA ANA AVENUE	240			4	GI	1925	2																		
SANTA ANA AVENUE	5	5	SANTA ANA AVENUE	192			5	GI	1927	2																		
SANTA ANA AVENUE	5	6	SANTA ANA AVENUE	1218			5	GI	1937	2																		
SANTA ANA AVENUE	5	7	SANTA ANA AVENUE	26			5	GI	1953	2																		
SANTA ANA AVENUE	5	8	SANTA ANA AVENUE	22	2	19	5	CI	2007	2	$ 600	$ 132.00	$ 2,250	$ 1,200	$ 24,200	$ 25,400	$ 22,000	$ 11,400	$ 14,295	$ 97,274	$ 33,295	$ 43,272				$ 43,234			
ARROW BOULEVARD	6	1	ARROW BOULEVARD	1299			4	WL	1924	4																		
ARROW BOULEVARD	6	2	ARROW BOULEVARD	1311			4	WL	1941	4																		
ARROW BOULEVARD	6	3	ARROW BOULEVARD	22	1	19	1	WL	1969	4.5	$ 600	$ 132.00	$ 2,250	$ 600	$ 12,100	$ 12,700	$ 41,800	$ 9,018	$ 13,470	$ 65,118	$ 41,279	$ 54,598				$ 83,738			

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	Number of Hydrant(s)	Number of Lateral(s)	WIC Hash	Materials	Installation Year	Diameter Range (in)	Unit Cost			Construction Cost for FH			Service Laterals	Other Costs (All ATs)		Project Segment Cost		Near-Term Cost for Fire Hydrants				Near-Term Cost for Service Laterals			
											Unit Cost for FH Removal ($/LF)	Unit Cost for FH Installation ($/LF)	Unit Cost for Service Lateral Installation ($/LF)	Cost for FH Removal	Cost for FH Installation	Total FH Construction Cost	Service Lateral Construction Cost ($)	Other Costs for FH	Other Costs for Service Laterals	Total Cost for FH	Total Cost for Service Laterals	2025: Cost for FH	2026: Cost for FH	2027: Cost for FH	2028: Cost for FH	2025: Cost for Service Laterals	2026: Cost for Service Laterals	2027: Cost for Service Laterals	2028: Cost for Service Laterals
LAUREL AVENUE	7	1	LAUREL AVENUE	158			8	CI	1925	6																		
LAUREL AVENUE	7	2	LAUREL AVENUE	402			4	CI	1959	6																		
LAUREL AVENUE	7	3	LAUREL AVENUE	440			2	AC	1949	6																		
LAUREL AVENUE	7	4	LAUREL AVENUE	331			4	AC	1973	8																		
LAUREL AVENUE	7	5	LAUREL AVENUE	22			1	WL	2004	8.625																		
MERRILL AVENUE	7	6	MERRILL AVENUE	1277	8	31	8	WL	1963	12.75	$ 600	$ 132.00	$ 2,250	$ 1,800	$ 36,300	$ 38,149	$ 68,200	$ 17,753	$ 31,791	$ 55,823	$ 99,991	$ 79,958				$ 138,722			
CERES AVENUE	8	1	CERES AVENUE	6			4	WL	1913	4																		
CERES AVENUE	8	2	CERES AVENUE	1192			4	AC	1965	6																		
CERES AVENUE	8	3	CERES AVENUE	13			3	AC	1981	8																		
CERES AVENUE	8	4	CERES AVENUE	24			1	ST	2004	6																		
JUNIPER AVENUE	8	5	JUNIPER AVENUE	722			3	WL	1937	10																		
JUNIPER AVENUE	8	6	JUNIPER AVENUE	18			2	WL	1997	20.79																		
JUNIPER AVENUE	8	7	JUNIPER AVENUE	9			3	WL	2018	12.75																		
NUEVO AVENUE (ALLEY)	8	8	NUEVO AVENUE (ALLEY)	779	4	46	4	GI	1944	2	$ 600	$ 132.00	$ 2,250	$ 2,400	$ 48,400	$ 50,800	$ 84,400	$ 28,678	$ 44,694	$ 74,478	$ 160,894		$ 158,894				$ 195,969			
CYPRESS AVENUE	9	1	CYPRESS AVENUE	1742			5	ST	1948	8																		
CYPRESS AVENUE	9	2	CYPRESS AVENUE	16			9	WL	1965	8																		
CYPRESS AVENUE	9	3	CYPRESS AVENUE	29			1	ST	2004	8.625																		
CYPRESS AVENUE	9	4	CYPRESS AVENUE	24			1	WL	2018	8.625																		
CYPRESS AVENUE	9	5	CYPRESS AVENUE	52	0	55	9	ST	UNK	4	$ 600	$ 132.00	$ 2,250	$ 1,200	$ 24,200	$ 25,400	$ 121,200	$ 11,868	$ 52,288	$ 97,294	$ 177,885		$ 78,238				$ 145,647			
SAN BERNARDINO AVENUE	10	1	SAN BERNARDINO AVENUE	2722			9	WL	1944	10																		
SAN BERNARDINO AVENUE	10	2	SAN BERNARDINO AVENUE	19			1	WL	1991	17.375																		
SAN BERNARDINO AVENUE	10	3	SAN BERNARDINO AVENUE	48	0	0	1	WL	1923	17.375	$ 600	$ 132.00	$ 2,250	$ -	$ -	$ -	$ 18,000	$ -	$ 3,127	$ -	$ 21,127	$ -				$ 36,234			
STANFORD AVENUE	11	1	STANFORD AVENUE	942			9	AC	1993	10																		
STANFORD AVENUE	11	2	STANFORD AVENUE	574	0	0	0	AC	1963	10	$ 600	$ 132.00	$ 2,250	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		$ -				$ -			

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	Number of Hydrant(s)	Number of Lateral(s)	MHI Rank	Materials (y)	Installation Year (x)	Elevation Range (m)	Unit Cost			Construction Cost for Fill			Service Laterals	Other Costs (All ATs)		Project Segment Cost		Near-Term Cost for Fire Hydrants				Near-Term Cost for Service Laterals			
											Unit Cost for Fill Removal ($/LF)	Unit Cost for Fill Installation ($/LF)	Unit Cost for Service Lateral Installation ($/Line)	Cost for Fill Removal	Cost for Fill Installation	Total Fill Construction Cost	Service Lateral Construction Cost ($)	Other Costs for Fill	Other Costs for Service Laterals	Total Cost for Fill	Total Cost for Service Laterals	2026 Cost for Fill	2026 Cost for Fill	2027 Cost for Fill	2029 Cost for Fill	2026 Cost for Service Laterals	2026 Cost for Service Laterals	2027 Cost for Service Laterals	2026 Cost for Service Laterals
ATHOL STREET	12	1	ATHOL STREET	157			5	ST,	1948	6																		
ATHOL STREET	12	2	ATHOL STREET	294			5	ST,	1947	8																		
ATHOL STREET	12	3	ATHOL STREET	146			5	ST,	1948	9																		
ATHOL STREET	12	4	ATHOL STREET	644			4	ST,	1953	8																		
ATHOL STREET	12	5	ATHOL STREET	686			4	ST,	1951	9																		
ATHOL STREET	12	6	ATHOL STREET	275			8	CI	1950	6																		
ATHOL STREET	12	7	ATHOL STREET	794			4	AC	1963	6																		
ATHOL STREET	12	8	ATHOL STREET	206			2	ST,	1983	8.025																		
ATHOL STREET	12	9	ATHOL STREET	6			4	DI,	2014	8																		
ATHOL STREET	12	10	ATHOL STREET	9			1	ST,	1921	8.025																		
ATHOL STREET	12	11	ATHOL STREET	18			1	ST,	1921	8.025																		
ATHOL STREET	12	12	ATHOL STREET	9	2	42	1	ST,	1921	6.425	$ 600	$ 122.00	$ 3,250	$ 1,200	$ 24,200	$ 25,400	$ 196,400	$ 21,600	$ 49,842	$ 47,204	$ 196,842				$ 264,477				
ASPEN AVENUE	13	1	ASPEN AVENUE	513			5	ST,	1948	8																		
ASPEN AVENUE	13	2	ASPEN AVENUE	10			1	ST,	1979	8.025																		
TERRY STREET	13	3	TERRY STREET	250			5	ST,	1948	6																		
TERRY STREET	13	4	TERRY STREET	7	3	13	1	ST,	2003	8.025	$ 600	$ 122.00	$ 3,250	$ 1,800	$ 38,500	$ 38,100	$ 42,900	$ 17,755	$ 19,479	$ 57,655	$ 61,379			$ 82,570				$ 88,695	
CITRON COURT	14	1	CITRON COURT	230			8	AC	1977	6																		
MANGO AVENUE	14	2	MANGO AVENUE	709	9	24	5	ST,	1920	8	$ 800	$ 122.00	$ 3,250	$ 1,800	$ 38,500	$ 38,100	$ 52,800	$ 17,755	$ 24,622	$ 70,555	$ 77,422				$ 84,355				$ 117,211
LOCUST AVENUE	15	1	LOCUST AVENUE	1507			5	ST,	1927	6																		
LOCUST AVENUE	15	2	LOCUST AVENUE	42			2	AC	1985	6																		
LOCUST AVENUE	15	3	LOCUST AVENUE	14	1	19	1	ST,	2001	6.425	$ 600	$ 122.00	$ 3,250	$ 800	$ 12,100	$ 12,900	$ 22,600	$ 9,018	$ 17,282	$ 31,618	$ 49,882			$ 39,900				$ 49,764	
BARBEE STREET	16	1	BARBEE STREET	185			5	ST,	1947	8																		
BARBEE STREET	16	2	BARBEE STREET	192			9	ST,	1949	9																		
BARBEE STREET	16	3	BARBEE STREET	269			5	ST,	1951	6																		
BARBEE STREET	16	4	BARBEE STREET	41			1	ST,	1979	6.525																		
BENNETT AVENUE	16	5	BENNETT AVENUE	191			4	ST,	1944	6																		
BENNETT AVENUE	16	6	BENNETT AVENUE	207			4	CI	1945	2																		
BENNETT AVENUE	16	7	BENNETT AVENUE	134	0	18	4	ST,	1951	6	$ 600	$ 122.00	$ 3,250	$ -	$ -	$ -	$ 25,000	$ -	$ 16,434	$ -	$ 41,434			$ -				$ 64,138	
LAUREL AVENUE	17	1	LAUREL AVENUE	970			5	ST,	1949	6																		
REED STREET	17	2	REED STREET	472	2	39	5	ST,	1948	9	$ 600	$ 122.00	$ 3,250	$ 1,200	$ 24,200	$ 25,400	$ 73,200	$ 21,599	$ 59,312	$ 97,199	$ 157,912		$ 14,249				$ 180,444		
PALMETTO AVENUE	18	1	PALMETTO AVENUE	1285			4	CI	1923	2																		
PALMETTO AVENUE	18	2	PALMETTO AVENUE	57			4	ST,	1979	8.025																		
PALMETTO AVENUE	18	3	PALMETTO AVENUE	63	0	19	2	CI	1979	2	$ 600	$ 122.00	$ 3,250	$ -	$ -	$ -	$ 41,800	$ -	$ 10,470	$ -	$ 52,270			$ -				$ 88,660	

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	Number of Hydrant(s)	Number of Lateral(s)	MHI Rank	Materials (y)	Installation Year (x)	Elevation Range (m)	Unit Cost			Construction Cost for Fill			Service Laterals	Other Costs (All ATs)		Project Segment Cost		Near-Term Cost for Fire Hydrants				Near-Term Cost for Service Laterals			
											Unit Cost for Fill Removal ($/LF)	Unit Cost for Fill Installation ($/LF)	Unit Cost for Service Lateral Installation ($/Line)	Cost for Fill Removal	Cost for Fill Installation	Total Fill Construction Cost	Service Lateral Construction Cost ($)	Other Costs for Fill	Other Costs for Service Laterals	Total Cost for Fill	Total Cost for Service Laterals	2026 Cost for Fill	2026 Cost for Fill	2027 Cost for Fill	2029 Cost for Fill	2026 Cost for Service Laterals	2026 Cost for Service Laterals	2027 Cost for Service Laterals	2026 Cost for Service Laterals
JUNIPER AVENUE	19	1	JUNIPER AVENUE	1688			5	ST,	1927	8																		
JUNIPER AVENUE	19	2	JUNIPER AVENUE	7			5	ST,	1965	8.025																		
JUNIPER AVENUE	19	3	JUNIPER AVENUE	19	4	29	2	ST,	1979	6.425	$ 600	$ 122.00	$ 3,250	$ 1,200	$ 49,500	$ 50,900	$ 154,000	$ 29,029	$ 71,744	$ 74,429	$ 225,744		$ 194,858				$ 412,604		
CATAWBA AVENUE	20	1	CATAWBA AVENUE	170			5	ST,	1955	8																		
CATAWBA AVENUE	20	2	CATAWBA AVENUE	691			9	ST,	1950	9																		
CATAWBA AVENUE	20	3	CATAWBA AVENUE	18	1	0	1	ST,	1983	8.025	$ 600	$ 122.00	$ 3,250	$ 800	$ 12,100	$ 12,900	$ 11,600	$ 5,018	$ 2,135	$ 18,518	$ 13,735				$ 28,317				$ 26,410
RAMONA AVENUE	21	1	RAMONA AVENUE	1295			9	ST,	1947	6																		
RAMONA AVENUE	21	2	RAMONA AVENUE	5	3	25	1	ST,	2003	8.025	$ 600	$ 122.00	$ 3,250	$ 1,200	$ 38,500	$ 39,400	$ 77,500	$ 17,855	$ 20,482	$ 57,255	$ 97,982			$ 58,080				$ 155,062	
GRACE AVENUE	22	1	GRACE AVENUE	218			5	CI	1930	2																		
GRACE AVENUE	22	2	GRACE AVENUE	152			5	CI	1941	2																		
GRACE AVENUE	22	3	GRACE AVENUE	183			9	CI	1949	2																		
GRACE AVENUE	22	4	GRACE AVENUE	91			2	ST,	1949	6.425																		
GRACE AVENUE	22	5	GRACE AVENUE	18			2	ST,	1965	2																		
GRACE AVENUE	22	6	GRACE AVENUE	22	0	14	1	CI	1981	2	$ 600	$ 122.00	$ 3,250	$ -	$ -	$ -	$ 70,000	$ -	$ 14,898	$ -	$ 84,898			$ -				$ 69,496	
FAIRFAX STREET	23	1	FAIRFAX STREET	248			5	ST,	1948	6																		
FAIRFAX STREET	23	2	FAIRFAX STREET	34	1	14	2	ST,	1979	6.525	$ 600	$ 122.00	$ 3,250	$ 600	$ 12,100	$ 12,700	$ 20,800	$ 9,018	$ 14,818	$ 22,518	$ 35,618			$ 29,530				$ 69,496	
MALAGA STREET	24	1	MALAGA STREET	570			5	ST,	1953	6																		
MALAGA STREET	24	2	MALAGA STREET	678	3	24	3	CI	1955	8	$ 800	$ 122.00	$ 3,250	$ 1,800	$ 38,500	$ 38,100	$ 74,800	$ 17,755	$ 34,357	$ 93,355	$ 109,957			$ 82,570				$ 198,585	
PAINE STREET	25	1	PAINE STREET	349			5	ST,	1947	6																		
PAINE STREET	25	2	PAINE STREET	180			9	ST,	1948	8																		
PAINE STREET	25	3	PAINE STREET	298			9	ST,	1949	9																		
PAINE STREET	25	4	PAINE STREET	207			4	CI	1957	4																		
PAINE STREET	25	5	PAINE STREET	17	1	20	3	ST,	1949	8.025	$ 600	$ 122.00	$ 3,250	$ 600	$ 12,100	$ 12,700	$ 44,000	$ 9,018	$ 20,924	$ 66,018	$ 84,924			$ 29,570				$ 69,529	
ATHOL STREET	26	1	ATHOL STREET	691			5	ST,	1943	6																		
ATHOL STREET	26	2	ATHOL STREET	469			4	CI	1953	6																		
ATHOL STREET	26	3	ATHOL STREET	179	2	22	3	FL	1987	6	$ 600	$ 122.00	$ 3,250	$ 1,200	$ 24,200	$ 25,400	$ 70,400	$ 17,600	$ 30,818	$ 87,200	$ 138,218			$ 58,080				$ 148,814	
NUEVO AVENUE	27	1	NUEVO AVENUE	559			5	CI	1944	2																		
NUEVO AVENUE	27	2	NUEVO AVENUE	21			3	CI	1973	2																		
SEVILLE AVENUE	27	3	SEVILLE AVENUE	204			4	CI	1944	2																		
SEVILLE AVENUE	27	4	SEVILLE AVENUE	9	0	0	1	FL	2003	2	$ 600	$ 122.00	$ 3,250	$ -	$ -	$ -	$ 13,200	$ -	$ 2,736	$ -	$ 15,936			$ -				$ 29,289	
BENNETT AVENUE	28	1	BENNETT AVENUE	480			4	ST,	1948	6																		
POINT ZELANE	28	2	POINTE LANE	244	2	19	4	ST,	1949	9	$ 600	$ 122.00	$ 3,250	$ 1,200	$ 24,200	$ 25,400	$ 35,200	$ 11,859	$ 15,420	$ 37,259	$ 50,620			$ 29,530				$ 74,307	
MAPLE AVENUE	29	1	MAPLE AVENUE	445			5	ST,	1943	6																		
MAPLE AVENUE	29	2	MAPLE AVENUE	1874	3	42	4	CI	1958	6	$ 600	$ 122.00	$ 3,250	$ 1,800	$ 38,500	$ 38,100	$ 52,400	$ 17,755	$ 49,018	$ 57,855	$ 195,458			$ 82,570				$ 196,958	
PAINE STREET	30	1	PAINE STREET	1321	3	24	5	ST,	1948	6	$ 600	$ 122.00	$ 3,250	$ 1,800	$ 38,500	$ 38,100	$ 74,800	$ 17,755	$ 34,857	$ 93,355	$ 109,657				$ 84,355				$ 160,134

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	Number of Hydrant(s)	Number of Lateral(s)	MHI Rank	Materials (j)	Installation Year (x)	Elevation Range (ft)	Unit Cost			Construction Cost for FH			Service Laterals	Other Costs (All ATs)		Project Segment Cost	Near-Term Cost for Fire Hydrants				Near-Term Cost for Service Laterals			
											Unit Cost for FH Removal ($/LF)	Unit Cost for FH Installation ($/LF)	Unit Cost for Service Lateral Installation ($/LF)	Cost for FH Removal	Cost for FH Installation	Total FH Construction Cost	Service Lateral Construction Cost ($)	Other Costs for FH	Other Costs for Service Laterals	Total Cost for FH	Total Cost for Service Laterals	2026: Cost for FH	2026: Cost for FH	2027: Cost for FH	2029: Cost for FH	2026: Cost for Service Laterals	2026: Cost for Service Laterals	2027: Cost for Service Laterals	2028: Cost for Service Laterals
BANANA AVENUE	91	1	BANANA AVENUE	859			9	AC	1980	8																		
BANANA AVENUE	91	2	BANANA AVENUE	38			1	STL	2010	8.025																		
BANANA AVENUE	91	3	BANANA AVENUE	90	0	1	2	STL	2010	8.025	$ 600	$ 132.00	$ 3,200	$ -	$ -	$ -	$ 2,200	$ -	$ 1,920	$ -	$ 4,220				$ -				$ 4,420
ROSEMARY DRIVE	92	1	ROSEMARY DRIVE	436			4	STL	1945	8																		
ROSEMARY DRIVE	92	2	ROSEMARY DRIVE	712			4	STL	1948	9																		
ROSEMARY DRIVE	92	3	ROSEMARY DRIVE	48	0	29	1	STL	1980	8.025	$ 600	$ 132.00	$ 3,200	$ 1,800	$ 80,400	$ 82,100	$ 72,800	$ 17,920	$ 20,832	$ 92,820	$ 93,632				$ 82,020				$ 154,100
CROSS STREET	93	1	CROSS STREET	519			9	CI	1920	2																		
CROSS STREET	93	2	CROSS STREET	139			5	CI	1920	2																		
CROSS STREET	93	3	CROSS STREET	152			5	CI	1920	2																		
CROSS STREET	93	4	CROSS STREET	289			5	CI	1920	2																		
CROSS STREET	93	5	CROSS STREET	24			1	CI	1920	2																		
UNION STREET	93	6	UNION STREET	12			1	STL	1915	2																		
DORSEY STREET	93	7	DORSEY STREET	410			4	CI	1920	4																		
DORSEY STREET	93	8	DORSEY STREET	55	1	10	1	STL	2021	4.5	$ 600	$ 132.00	$ 3,200	$ 600	$ 12,100	$ 12,700	$ 44,000	$ 9,020	$ 10,824	$ 23,624	$ 54,824				$ 20,970				$ 99,970
MANGO AVENUE	94	1	MANGO AVENUE	247			5	STL	1919	6																		
MANGO AVENUE	94	2	MANGO AVENUE	82			4	STL	1924	6																		
MANGO AVENUE	94	3	MANGO AVENUE	9	1	13	1	STL	1980	6	$ 600	$ 132.00	$ 3,200	$ 600	$ 12,100	$ 12,700	$ 20,600	$ 5,020	$ 6,024	$ 18,620	$ 26,624				$ 18,720				$ 59,720
HIBISCUS AVENUE	95	1	HIBISCUS AVENUE	1228			9	STL	1948	8																		
HIBISCUS AVENUE	95	3	HIBISCUS AVENUE	64	2	43	2	STL	1970	8.025	$ 600	$ 132.00	$ 3,200	$ 1,200	$ 24,200	$ 25,400	$ 48,000	$ 17,720	$ 21,264	$ 43,120	$ 69,264				$ 20,970				$ 107,970
ELMOUND STREET	96	1	ELMOUND STREET	695			4	STL	1948	8																		
HERMANY DRIVE	96	2	HERMANY DRIVE	469	2	39	4	STL	1948	9	$ 600	$ 132.00	$ 3,200	$ 1,200	$ 24,200	$ 25,400	$ 32,800	$ 17,720	$ 21,264	$ 43,920	$ 54,064				$ 24,481				$ 78,381
ACACIA AVENUE	97	1	ACACIA AVENUE	2006			4	CI	1920	2																		
ACACIA AVENUE	97	2	ACACIA AVENUE	29			2	CI	1920	2																		
ACACIA AVENUE	97	3	ACACIA AVENUE	26	2	27	2	LINK	1970	2	$ 600	$ 132.00	$ 3,200	$ 1,200	$ 24,200	$ 25,400	$ 32,600	$ 17,920	$ 21,504	$ 43,520	$ 54,104				$ 38,454				$ 92,574
SPRING STREET (ALLEY)	98	1	SPRING STREET (ALLEY)	28			4	STL	1951	8																		
SPRING STREET (ALLEY)	98	2	SPRING STREET (ALLEY)	724	0	15	9	STL	1967	8.025	$ 600	$ 132.00	$ 3,200	$ -	$ -	$ -	$ 2,200	$ -	$ 1,920	$ -	$ 4,220				$ -				$ 6,420
BEECH STREET	99	1	BEECH STREET	692			4	STL	1945	8																		
ORCHID AVENUE	99	3	ORCHID AVENUE	479	2	33	5	STL	1948	6	$ 600	$ 132.00	$ 3,200	$ 1,200	$ 24,200	$ 25,400	$ 44,200	$ 17,720	$ 21,264	$ 43,120	$ 65,464				$ 20,454				$ 105,920
FLEET STREET	40	1	FLEET STREET	599			9	STL	1947	8																		
FLEET STREET	40	2	FLEET STREET	722			4	CI	1952	9																		
FLEET STREET	40	3	FLEET STREET	7			2	STL	1948	8.025																		
FLEET STREET	40	4	FLEET STREET	28			2	AC	1960	9																		
PEPPER COURT	40	5	PEPPER COURT	296			4	CI	1952	4																		
SEWELL COURT	40	6	SEWELL COURT	188	4	28	9	CI	1952	4	$ 600	$ 132.00	$ 3,200	$ 2,400	$ 48,400	$ 50,800	$ 42,400	$ 20,672	$ 24,806	$ 74,472	$ 90,006				$ 22,867				$ 196,819

Project Street	Pipeline Project Number	Pipe Segment	Street	Length (ft)	Number of Hydrant(s)	Number of Lateral(s)	MHI Rank	Materials (j)	Installation Year (x)	Elevation Range (ft)	Unit Cost			Construction Cost for FH			Service Laterals	Other Costs (All ATs)		Project Segment Cost	Near-Term Cost for Fire Hydrants				Near-Term Cost for Service Laterals			
											Unit Cost for FH Removal ($/LF)	Unit Cost for FH Installation ($/LF)	Unit Cost for Service Lateral Installation ($/LF)	Cost for FH Removal	Cost for FH Installation	Total FH Construction Cost	Service Lateral Construction Cost ($)	Other Costs for FH	Other Costs for Service Laterals	Total Cost for FH	Total Cost for Service Laterals	2026: Cost for FH	2026: Cost for FH	2027: Cost for FH	2029: Cost for FH	2026: Cost for Service Laterals	2026: Cost for Service Laterals	2027: Cost for Service Laterals	2028: Cost for Service Laterals
JUNIPER AVENUE	41	1	JUNIPER AVENUE	2554			5	STL	1927	6																		
JUNIPER AVENUE	41	2	JUNIPER AVENUE	7	2	49	4	STL	1927	8	$ 600	$ 132.00	$ 3,200	$ 1,200	$ 24,200	$ 25,400	$ 54,800	$ 11,820	$ 14,184	$ 37,220	$ 68,984				$ 33,434				$ 102,418
RAYMOND COURT	42	1	RAYMOND COURT	411			9	CI	1949	2																		
RAYMOND COURT	42	2	RAYMOND COURT	134	0	11	5	STL	1950	4	$ 600	$ 132.00	$ 3,200	$ -	$ -	$ -	$ 24,200	$ -	$ 11,277	$ -	$ 35,477				$ -				$ 59,709
HEROLD STREET	43	1	HEROLDS STREET	920			4	AC	1964	9																		
TANGELO AVENUE	43	2	TANGELO AVENUE	378	2	22	9	AC	1961	6	$ 600	$ 132.00	$ 3,200	$ 1,800	$ 36,300	$ 38,100	$ 70,400	$ 17,720	$ 21,264	$ 55,820	$ 91,664				$ 84,021				$ 154,413
ENGINE 58 COURT	44	1	ENGINE 58 COURT	591			9	AC	1980	6																		
JACKSON AVENUE	44	2	JACKSON AVENUE	930	3	29	9	AC	1980	6	$ 600	$ 132.00	$ 3,200	$ 1,800	$ 36,300	$ 38,100	$ 72,600	$ 17,720	$ 21,264	$ 55,820	$ 93,864				$ 84,021				$ 161,838
IRIS DRIVE	45	1	IRIS DRIVE	1284			5	STL	1950	8																		
IRIS DRIVE	45	2	IRIS DRIVE	5			1	STL	1967	8.025																		
IRIS DRIVE	45	3	IRIS DRIVE	23	2	24	1	STL	2007	8.025	$ 600	$ 132.00	$ 3,200	$ 1,200	$ 24,200	$ 25,400	$ 74,800	$ 11,820	$ 14,184	$ 37,220	$ 100,984				$ 33,434				$ 183,418
FOREST AVENUE	46	1	FOREST AVENUE	411			4	PL	1999	9																		
VALENCIA AVENUE	46	2	VALENCIA AVENUE	211			4	PL	1991	4																		
WEDGEWOOD AVENUE	46	3	WEDGEWOOD AVENUE	139	1	26	4	PL	1991	4	$ 600	$ 132.00	$ 3,200	$ 600	$ 12,100	$ 12,700	$ 57,200	$ 9,020	$ 10,824	$ 22,520	$ 68,024				$ 20,217				$ 107,037
MULBERRY AVENUE	47	1	MULBERRY AVENUE	9			2	CI	1960	2																		
MULBERRY AVENUE	47	2	MULBERRY AVENUE	572			9	AC	1960	6																		
MULBERRY AVENUE	47	3	MULBERRY AVENUE	58	1	19	1	STL	2010	8.025	$ 600	$ 132.00	$ 3,200	$ 600	$ 12,100	$ 12,700	$ 38,000	$ 9,020	$ 10,824	$ 22,520	$ 48,824				$ 20,217				$ 69,041
WASHINGTON DRIVE	48	1	WASHINGTON DRIVE	2023			9	AC	1981	8																		
WASHINGTON DRIVE	48	3	WASHINGTON DRIVE	34	4	29	1	STL	2020	8.025	$ 600	$ 132.00	$ 3,200	$ 2,400	$ 48,400	$ 50,800	$ 73,000	$ 17,720	$ 21,264	$ 68,120	$ 94,264				$ 113,867				$ 161,258
MANGO AVENUE (ALLEY)	49	1	MANGO AVENUE (ALLEY)	438			3	STL	1965	8.025																		
MANGO AVENUE (ALLEY)	49	2	MANGO AVENUE (ALLEY)	29	0	0	0	AC	1969	9	$ 600	$ 132.00	$ 3,200	$ -	$ -	$ -	$ 2,200	$ -	$ 1,920	$ -	$ 4,220				$ -				$ 6,420
ROSEMARY DRIVE	50	1	ROSEMARY DRIVE	1284			4	STL	1950	8																		
ROSEMARY DRIVE	50	2	ROSEMARY DRIVE	52	2	24	1	STL	1997	8.025	$ 600	$ 132.00	$ 3,200	$ 1,200	$ 24,200	$ 25,400	$ 74,800	$ 11,820	$ 14,184	$ 37,220	$ 100,984				$ 33,434				$ 183,418
FLEET STREET	51	1	FLEET STREET	536			9	AC	1950	4																		
FLEET STREET	51	2	FLEET STREET	118			9	AC	1950	6																		
FLEET STREET	51	3	FLEET STREET	77			4	CI	1952	6																		
HAWTHORNE AVENUE	51	4	HAWTHORNE AVENUE	570	1	31	9	AC	1950	4	$ 600	$ 132.00	$ 3,200	$ 600	$ 12,100	$ 12,700	$ 98,200	$ 9,020	$ 10,824	$ 21,720	$ 109,024				$ 28,217				$ 137,237
ELMOUND AVENUE	52	1	ELMOUND AVENUE	731	3	33	9	AC	1979	6																		
CITRON COURT	52	2	CITRON COURT	33	2	22	9	AC	1979	8	$ 600	$ 132.00	$ 3,200	$ 1,200	$ 24,200	$ 25,400	$ 48,400	$ 17,720	$ 21,264	$ 43,120	$ 69,664				$ 84,021				$ 197,939
																				Total Cost	$ 294,407	$ 422,252	$ 729,745	$ 1,156,991	$ 489,796	$ 2,197,197	$ 2,899,824	$ 2,589,791
																				Total Cost (Escalated)	$ 308,928	$ 454,880	$ 729,888	$ 1,156,991	$ 489,888	$ 2,288,888	$ 3,024,800	$ 2,589,888

ATTACHMENT 4: SGVWC's Response to Cal Advocates' Data Request MTN-015, with Attachment 1

SAN GABRIEL VALLEY WATER COMPANY

May 5, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-015 (Escalation)**

Dear Mr. Aslam:

In response to your data request dated April 28, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Referring to SGVWC's Response to Data Request No. MTN-014 (Capital Projects), Response No. 1 indicates that various annual escalation rates ranging from 5% to 14% were applied to the costs included in the capital budgets. Please explain how each of the 13 different escalation rates were determined and provide supporting documentation and calculations for each.

RESPONSE NO. 1:

San Gabriel was able to determine the 13 different escalation rates by using data from actual bid results. San Gabriel used unit pricing from projects that were previously bid and completed a linear regression analysis to determine a trend line for the slope. Based on the slope of the trend line, San Gabriel was able to project the unit prices through budget year 2029 and use prior year data to determine the escalation rates. San Gabriel used the average escalation rate for years 2025 through 2028 for its cost analysis. Refer to MTN-015 ATTACHMENT 1 for supporting data used to determine the escalation rates.

RESPONDING WITNESS: Yucelen, Marroquin

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

11142 GARVEY AVENUE • P.O. BOX 6010 • EL MONTE, CALIFORNIA 91734-2010 • (626) 448-6183 • Fax (626) 448-5530

/s/ Joel M Reiker
Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 4 (continued): MTN-015 Attachment 1

Summary Tables

Budget Item	Average Annual Escalation Rate 2025-2028
Electrical	8%
Wall	8%
Fence and Pilasters	8%
Fencing	5%
Equip Well	8%
Site and Street Improvements	13%
Booster Station	6%
Booster Station Electrical	6%
Pumps	7%
Reservoir	11%
Treatment	14%
SCADA	5%
Pipelines	10%

Electrical

1-Nov-18	$ 178.33	
1-Nov-19	$ 222.60	20%
1-Nov-20	$ 267.00	17%
1-Nov-21	$ 311.27	14%
1-Nov-22	$ 355.55	12%
1-Nov-23	$ 399.82	11%
1-Nov-24	$ 444.22	10%
1-Nov-25	$ 488.49	9%
1-Nov-26	$ 532.77	8%
1-Nov-27	$ 577.04	8%
1-Nov-28	$ 621.44	7%
1-Nov-29	$ 665.71	7%
AVERAGE 2025-2028		8%

Wall

1-Nov-18	$ 470.98	
1-Nov-19	$ 577.86	18%
1-Nov-20	$ 685.02	16%
1-Nov-21	$ 791.89	13%
1-Nov-22	$ 898.76	12%
1-Nov-23	$ 1,005.64	11%
1-Nov-24	$ 1,112.80	10%
1-Nov-25	$ 1,219.67	9%
1-Nov-26	$ 1,326.55	8%
1-Nov-27	$ 1,433.42	7%
1-Nov-28	$ 1,540.58	7%
1-Nov-29	$ 1,647.45	6%
AVERAGE 2025-2028		8%

Fence and Pilasters

1-Nov-18	$ 470.98	
1-Nov-19	$ 577.86	18%
1-Nov-20	$ 685.02	16%
1-Nov-21	$ 791.89	13%
1-Nov-22	$ 898.76	12%
1-Nov-23	$ 1,005.64	11%
1-Nov-24	$ 1,112.80	10%
1-Nov-25	$ 1,219.67	9%
1-Nov-26	$ 1,326.55	8%
1-Nov-27	$ 1,433.42	7%
1-Nov-28	$ 1,540.58	7%
1-Nov-29	$ 1,647.45	6%
AVERAGE 2025-2028		8%

Fencing

1-Nov-18	$ 140.41	0
1-Nov-19	$ 151.91	7%
1-Nov-20	$ 162.63	7%
1-Nov-21	$ 173.78	6%
1-Nov-22	$ 184.83	6%
1-Nov-23	$ 195.92	6%
1-Nov-24	$ 207.05	5%
1-Nov-25	$ 218.14	5%
1-Nov-26	$ 229.24	5%
1-Nov-27	$ 240.34	5%
1-Nov-28	$ 251.46	4%
1-Nov-29	$ 262.56	4%
AVERAGE 2025-2028		5%

Equip Well

1-Nov-18	$ 359.56	
1-Nov-19	$ 440.77	22%
1-Nov-20	$ 543.25	18%
1-Nov-21	$ 639.46	15%
1-Nov-22	$ 735.03	13%
1-Nov-23	$ 831.09	12%
1-Nov-24	$ 928.37	10%
1-Nov-25	$ 1,024.58	9%
1-Nov-26	$ 1,120.80	9%
1-Nov-27	$ 1,217.91	8%
1-Nov-28	$ 1,313.49	7%
1-Nov-29	$ 1,409.70	7%
AVERAGE 2025-2028		8%

Site and Street Improvements

1-Nov-20	$ 196,575.26	
1-Nov-21	$ 316,693.11	38%
1-Nov-22	$ 436,810.96	27%
1-Nov-23	$ 556,928.81	22%
1-Nov-24	$ 677,375.75	18%
1-Nov-25	$ 797,493.60	15%
1-Nov-26	$ 917,611.45	13%
1-Nov-27	$ 1,037,729.30	12%
1-Nov-28	$ 1,158,176.24	10%
1-Nov-29	$ 1,278,294.09	9%
AVERAGE 2025-2028		13%

Booster Station

1-Nov-18	$ 465.17	0
1-Nov-19	$ 510.89	9%
1-Nov-20	$ 556.61	8%
1-Nov-21	$ 602.28	8%
1-Nov-22	$ 647.94	7%
1-Nov-23	$ 693.68	7%
1-Nov-24	$ 739.38	6%
1-Nov-25	$ 785.05	6%
1-Nov-26	$ 830.71	5%
1-Nov-27	$ 876.37	5%
1-Nov-28	$ 922.16	5%
1-Nov-29	$ 967.82	5%
AVERAGE 2025-2028		6%

Booster Station Electrical

1-Nov-18	$ 479,993.03	0
1-Nov-19	$ 533,103.18	10%
1-Nov-20	$ 586,513.04	9%
1-Nov-21	$ 639,697.19	8%
1-Nov-22	$ 692,881.34	8%
1-Nov-23	$ 746,065.49	7%
1-Nov-24	$ 799,395.35	7%
1-Nov-25	$ 852,579.50	6%
1-Nov-26	$ 905,763.65	6%
1-Nov-27	$ 958,947.80	6%
1-Nov-28	$ 1,012,277.66	5%
1-Nov-29	$ 1,065,461.81	5%
AVERAGE 2025-2028		6%

Pumps

1-Nov-18	$ 77,254.44	
1-Nov-19	$ 88,408.84	13%
1-Nov-20	$ 99,593.80	11%
1-Nov-21	$ 110,748.20	10%
1-Nov-22	$ 121,902.60	9%
1-Nov-23	$ 133,057.00	8%
1-Nov-24	$ 144,241.96	8%
1-Nov-25	$ 155,396.36	7%
1-Nov-26	$ 166,550.76	7%
1-Nov-27	$ 177,705.16	6%
1-Nov-28	$ 188,880.12	6%
1-Nov-29	$ 200,044.52	6%
AVERAGE 2025-2028		7%

Reservoirs

1-Nov-18	$ 0.41	0
1-Nov-19	$ 0.86	57%
1-Nov-20	$ 1.31	36%
1-Nov-21	$ 2.06	27%
1-Nov-22	$ 2.61	21%
1-Nov-23	$ 3.15	17%
1-Nov-24	$ 3.70	15%
1-Nov-25	$ 4.25	13%
1-Nov-26	$ 4.80	11%
1-Nov-27	$ 5.34	10%
1-Nov-28	$ 5.89	9%
1-Nov-29	$ 6.44	9%
AVERAGE 2025-2028		11%

Treatment

1-Nov-18	$ (278,207.54)	0
1-Nov-19	$ 182,935.91	252%
1-Nov-20	$ 645,482.13	72%
1-Nov-21	$ 1,106,665.18	42%
1-Nov-22	$ 1,567,868.23	29%
1-Nov-23	$ 2,029,011.28	23%
1-Nov-24	$ 2,491,477.90	19%
1-Nov-25	$ 2,952,680.95	16%
1-Nov-26	$ 3,413,884.00	14%
1-Nov-27	$ 3,875,087.05	12%
1-Nov-28	$ 4,337,553.67	11%
1-Nov-29	$ 4,798,756.72	10%
AVERAGE 2025-2028		14%

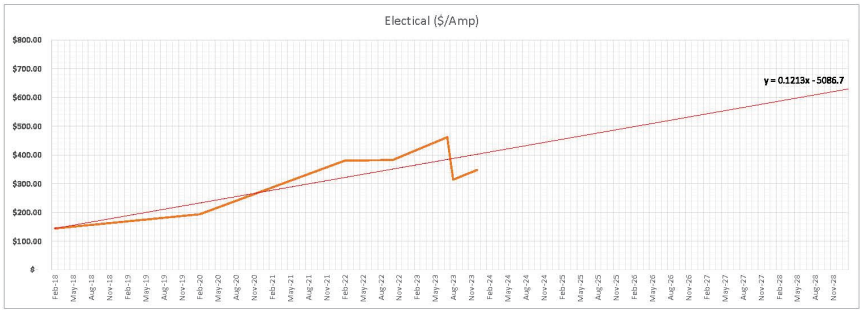
SCADA Full Plant

1-Nov-21	$ 117,795.29	0
1-Nov-22	$ 125,940.15	6%
1-Nov-23	$ 132,345.08	6%
1-Nov-24	$ 139,069.87	6%
1-Nov-25	$ 146,974.72	5%
1-Nov-26	$ 154,279.58	5%
1-Nov-27	$ 161,584.43	5%
1-Nov-28	$ 168,909.39	5%
1-Nov-29	$ 176,214.15	4%
AVERAGE 2025-2028		5%

Pipelines

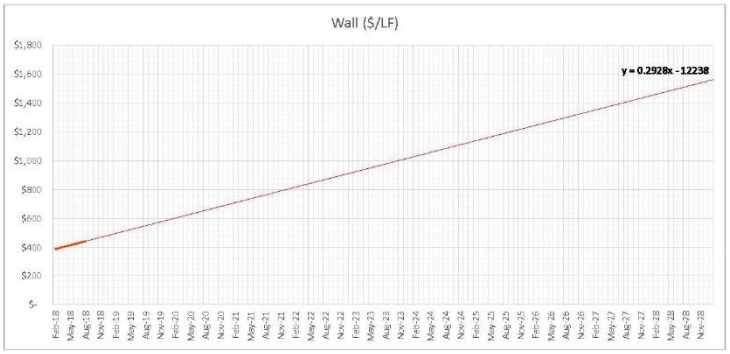
Date		6" cost	6" change	8" cost	8" change	12" cost	12" change
	11/1/2021	297.17		364.91		406.09	
	11/1/2022	348.93	22%	432.17	21%	457.59	13%
	11/1/2023	410.69	18%	507.43	17%	509.09	11%
	11/1/2024	472.61	15%	582.90	15%	560.74	10%
	11/1/2025	534.37	13%	658.16	13%	612.24	9%
	11/1/2026	596.13	12%	733.43	11%	663.74	8%
	11/1/2027	657.89	10%	808.69	10%	715.24	8%
	11/1/2028	719.81	9%	884.16	9%	766.88	7%
	11/1/2029	781.57	9%	959.42	9%	818.99	7%
AVERAGE 2025-2028			11%		11%		8%
GRAND AVERAGE 2025-2028			10%				

	No. 1	F31	M3	B28	M7	No. 12	F7
Date	Feb-18	Feb-20	Oct-22	Feb-22	Jul-23	Aug-23	Dec-23
Low Bid	Benjamin	Benjamin	Benjamin	Benjamin	Benjamin	Benjamin	Benjamin
Panel	$ 173,443	$ 388,600	$ 229,850	$ 228,173.00	$ 277,250.09	$ 188,628.00	$ 627,759.04
Amps	1,200	2,000	600	600	600	600	1800
Unit Cost	$ 144.54	$ 194.30	$ 383.08	$ 380.29	$ 462.08	$ 314.38	$ 348.76



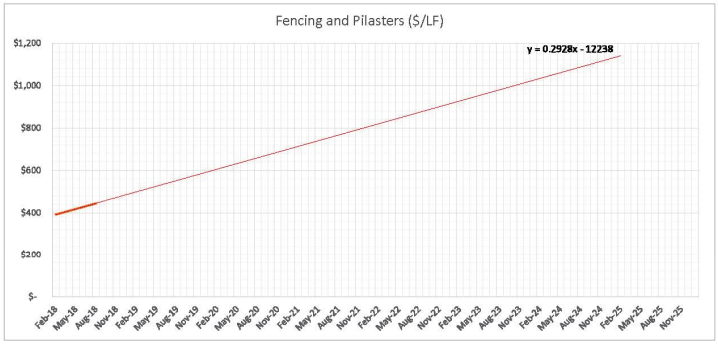
	ELECTRICAL	
1-Nov-18	$ 178.33	
1-Nov-19	$ 222.60	20%
1-Nov-20	$ 267.00	17%
1-Nov-21	$ 311.27	14%
1-Nov-22	$ 355.55	12%
1-Nov-23	$ 399.82	11%
1-Nov-24	$ 444.22	10%
1-Nov-25	$ 488.49	9%
1-Nov-26	$ 532.77	8%
1-Nov-27	$ 577.04	8%
1-Nov-28	$ 621.44	7%
1-Nov-29	$ 665.71	7%
	AVERAGE	8%

	No. 1	F31
Date	Feb-18	Aug-18
Low Bid	GM Sager	GM Sager
Fencing		
Depth		
Unit Cost	$ 392	$ 445



	Wall	
1-Nov-18	470.984	
1-Nov-19	577.856	18%
1-Nov-20	685.0208	16%
1-Nov-21	791.8928	13%
1-Nov-22	898.7648	12%
1-Nov-23	1005.637	11%
1-Nov-24	1112.802	10%
1-Nov-25	1219.674	9%
1-Nov-26	1326.546	8%
1-Nov-27	1433.418	7%
1-Nov-28	1540.582	7%
1-Nov-29	1647.454	6%
	AVERAGE	8%

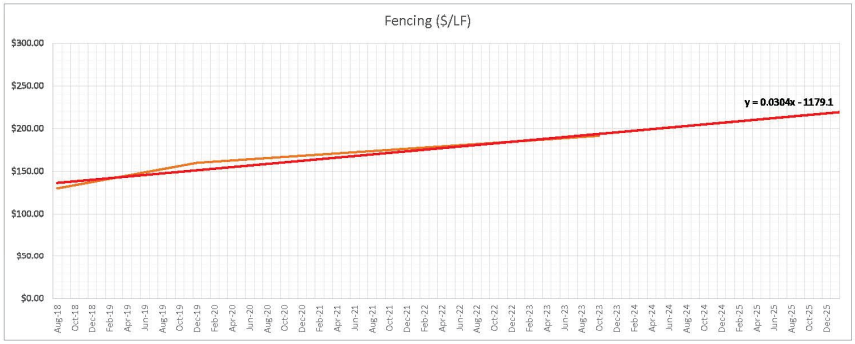
	No. 1	F31
Date	Feb-18	Aug-18
Low Bid	GM Sager	GM Sager
Fencing		
Depth		
Unit Cost	$ 392	$ 445



	Fence and Pilasters	
1-Nov-18	**470.984**	
1-Nov-19	**577.856**	18%
1-Nov-20	**685.0208**	16%
1-Nov-21	**791.8928**	13%
1-Nov-22	**898.7648**	12%
1-Nov-23	**1005.6368**	11%
1-Nov-24	**1112.8016**	10%
1-Nov-25	**1219.6736**	9%
1-Nov-26	**1326.5456**	8%
1-Nov-27	**1433.4176**	7%
1-Nov-28	**1540.5824**	7%
1-Nov-29	**1647.4544**	6%
	AVERAGE	8%

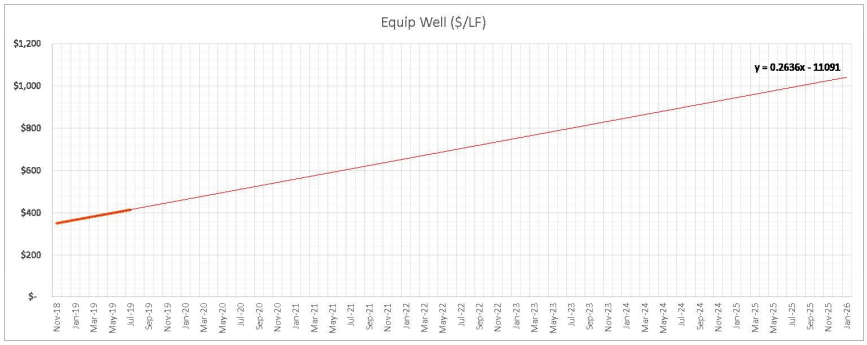
	F31	No. 14	M7		
Date	Aug-18	Dec-19	Oct-23	Jan-22	
Low Bid	GM Sager	GM Sager	Hal Hays		
Fencing				9%	
Depth					
Unit Cost	$130.00	$160.00	$191.54	$ 1,200.0	

weighted average for item 3 &4 under fence and gate plus mobile-demobile



	Fencing	
1-Nov-18	**$ 140.41**	
1-Nov-19	**$ 151.51**	7%
1-Nov-20	**$ 162.63**	7%
1-Nov-21	**$ 173.73**	6%
1 Nov 22	**$ 184.83**	6%
1-Nov-23	**$ 195.92**	6%
1-Nov-24	**$ 207.05**	5%
1-Nov-25	**$ 218.14**	5%
1-Nov-26	**$ 229.24**	5%
1-Nov-27	**$ 240.34**	5%
1-Nov-28	**$ 251.46**	4%
1-Nov-29	**$ 262.56**	4%
	AVERAGE	5%

	F31	No. 1
Date	Nov-18	Jul-19
Equip	$ 365,448	$ 210,915
Depth	1,040	508
Unit Cost	$ 351	$ 415



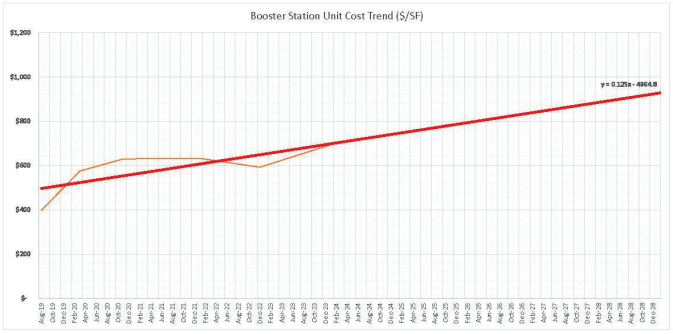
	Equip Well	
1-Nov-18	**$ 350.56**	
1-Nov-19	**$ 446.77**	22%
1-Nov-20	**$ 543.25**	18%
1-Nov-21	**$ 639.46**	15%
1 Nov 22	**$ 735.68**	13%
1-Nov-23	**$ 831.89**	12%
1-Nov-24	**$ 928.37**	10%
1-Nov-25	**$1,024.58**	9%
1-Nov-26	**$1,120.80**	9%
1-Nov-27	**$1,217.01**	8%
1-Nov-28	**$1,313.49**	7%
1-Nov-29	**$1,409.70**	7%
	AVERAGE	9%

	No. 1	F15	F31	M3	M7
Date	Feb-20	Aug-20	Apr-21	Dec-22	Oct-23
Low Bid	GM Sager	Hal Hays	Hal Hays	Hal Hays	Hal Hays
Bid	$90,500.00	$784,431.00	$618,886.00	$677,926.00	$454,930.55
Area	1.06	4.53	2.66	1.23	0.97
Unit Cost	$85,377.36	$173,310.07	$232,936.51	$551,159.35	$469,000.57



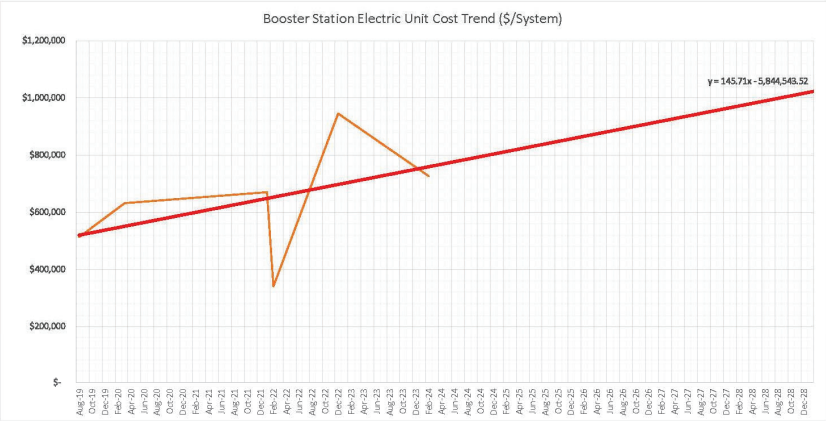
	Equip Well	
1-Nov-18	$ **(43,989.53)**	
1-Nov-19	$ **76,128.32**	158%
1-Nov-20	$ **196,575.26**	61%
1-Nov-21	$ **316,693.11**	38%
1-Nov-22	$ **436,810.96**	27%
1-Nov-23	$ **556,928.81**	22%
1-Nov-24	$ **677,375.75**	18%
1-Nov-25	$ **797,493.60**	15%
1-Nov-26	$ **917,611.45**	13%
1-Nov-27	$ **1,037,729.30**	12%
1-Nov-28	$ **1,158,176.24**	10%
1-Nov-29	$ **1,278,294.09**	9%
	AVERAGE	13%

	F15	F31	F58	M3	M7	F7
Date	Aug-19	Mar-20	Nov-20	Jan-22	Dec-22	2/28/2024
Low Bid	MSH	Hal Hays	MSH	Hal Hays	Hal Hays	TE Roberts
Mobilization	$ 44,367	$ 175,200	$ 20,871	$ 147,800.00	$ 26,954.00	$ 147,000.00
Building	$ 841,930	$ 772,197	$ 804,275	$ 545,861.00	$ 528,011.00	$ 510,405.96
HVAC	$ 69,467	$ 61,770	$ 126,481	$ 80,452.00	$ 127,297.00	$ 61,350.00
	$ 955,764	$ 1,023,447	$ 951,627	$ 774,113.00	$ 682,262.00	$ 718,755.96
Floor Area	2,400	1,778	1,511	1224	1152	$ 1,024.00
Unit Cost	$ 398	$ 576	$ 630	$ 632	$ 592	$ 702



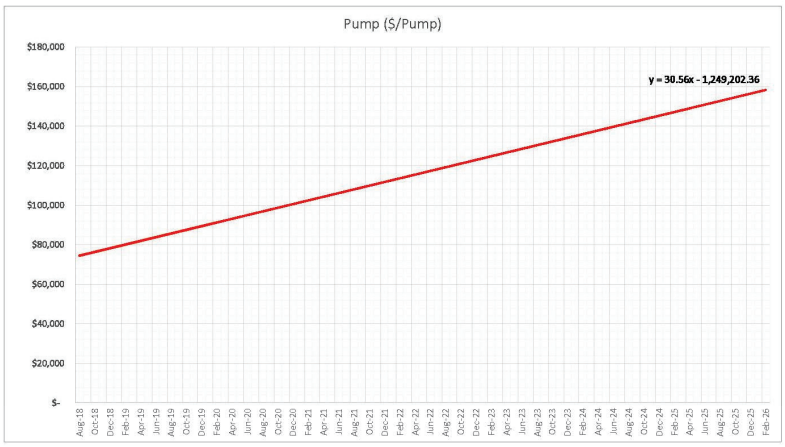
Booster Station			
1-Nov-18	$	465.17	
1-Nov-19	$	510.83	9%
1-Nov-20	$	556.61	8%
1-Nov-21	$	602.28	8%
1-Nov-22	$	647.94	7%
1-Nov-23	$	693.60	7%
1-Nov-24	$	739.38	6%
1-Nov-25	$	785.05	6%
1-Nov-26	$	830.71	5%
1-Nov-27	$	876.37	5%
1-Nov-28	$	922.16	5%
1-Nov-29	$	967.82	5%
AVERAGE			6%

	F15	F31	B28	M3	M7	F7
Date	Aug-19	Mar-20	Feb-22	Jan-22	Dec-22	Feb-24
Low Bid	MSH	Hal Hays	Hal Hays	Hal Hays	T. E. Roberts	T. E. Roberts
Mobilization	$ 44,367	$ 176,200	$ 119,093.00	$ 147,800.00	$ 26,954.00	$ 147,000.00
Electrical	$ 513,061	$ 631,650	$ 341,163.00	$ 670,804.00	$ 945,327.00	$ 726,790.00
HVAC						
amps		2000	600	600	600	1800
Floor Area	2,400	1,778		1224	1152	
Unit Cost	$ 513,061	$ 631,650	$ 341,163.00	$ 670,804.00	$ 945,327.00	$ 726,790



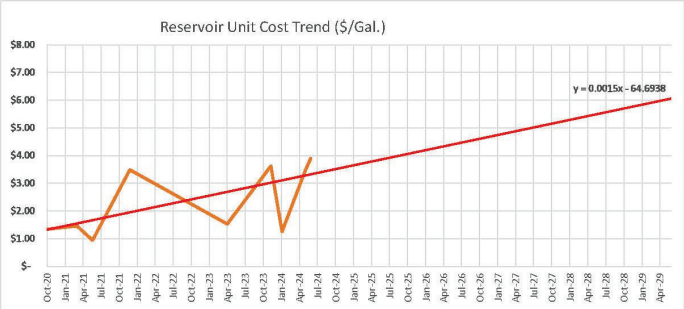
Booster Station Electrical		
1-Nov-18	$ 479,999.03	
1-Nov-19	$ 533,183.18	10%
1-Nov-20	$ 586,513.04	9%
1-Nov-21	$ 639,697.19	8%
1-Nov-22	$ 692,881.34	8%
1-Nov-23	$ 746,065.49	7%
1-Nov-24	$ 799,395.35	7%
1-Nov-25	$ 852,579.50	6%
1-Nov-26	$ 905,763.65	6%
1-Nov-27	$ 958,947.80	6%
1-Nov-28	$ 1,012,277.66	5%
1-Nov-29	$ 1,065,461.81	5%
AVERAGE		6%

	F63	F58
Date	Aug-18	Feb-20
Size	200 hp	200 hp
Unit Cost	$ 74,566	$ 91,345

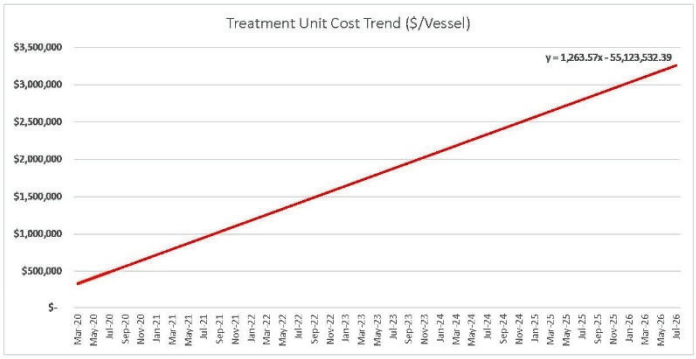


	Pumps	
1-Nov-18	**$ 77,254.44**	
1-Nov-19	**$ 88,408.84**	13%
1-Nov-20	**$ 99,593.80**	11%
1-Nov-21	**$110,748.20**	10%
1-Nov-22	**$121,902.60**	9%
1-Nov-23	**$133,057.00**	8%
1-Nov-24	**$144,241.96**	8%
1-Nov-25	**$155,396.36**	7%
1-Nov-26	**$166,550.76**	7%
1-Nov-27	**$177,705.16**	6%
1-Nov-28	**$188,890.12**	6%
1-Nov-29	**$200,044.52**	6%
	AVERAGE	7%

		M3		M3		F10		No. 7		F31		No. 13		B15 West		B15 East		F7
Date		Oct-20		Mar-21		May-21		Nov-21		Apr-23		Nov-23		May-24		May-24		Jan-24
Low Bid		Crosno		Crosno		Crosno		spiess bid		Crosno		Crosno		Superior Tank		Superior Tank		crosno
Reservoir	$	874,655	$	945,935	$	2,815,990.00	$	2,963,355.00	$	1,532,440.00	$	2,176,730.00	$	1,874,796.00	$	2,123,565.00	$	3,454,250.00
Volume		650,000		650,000		3,000,000		850,000		1,000,000		600,000		480,000		611,000		2,752,400
Unit Cost	$	1.35	$	1.46	$	0.94	$	3.49	$	1.53	$	3.63	$	3.91	$	3.48	$	1.25



	W6	No. 2
Date	Mar-20	Jul-20
Low Bid	AqueoUSvets	AqueoUSvets
IX Treatment	$2,014,849.73	$2,939,782.80
Vessels	6	6
Unit Cost	$ 335,808	$ 489,964



	Treatment equip	
1-Nov-18	$ (278,267.54)	
1-Nov-19	$ 182,935.51	252%
1-Nov-20	$ 645,402.13	72%
1-Nov-21	$ 1,106,605.18	42%
1-Nov-22	$ 1,567,808.23	29%
1-Nov-23	$ 2,029,011.28	23%
1-Nov-24	$ 2,491,477.90	19%
1-Nov-25	$ 2,952,680.95	16%
1-Nov-26	$ 3,413,884.00	14%
1-Nov-27	$ 3,875,087.05	12%
1-Nov-28	$ 4,337,553.67	11%
1-Nov-29	$ 4,798,756.72	10%
	AVERAGE	14%

Full plant SCADA

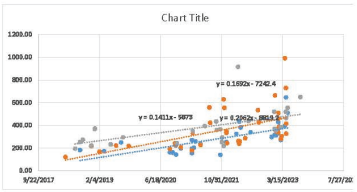
	F23	F10 west	F53	F58	M3	M7
Date	9/27/2013	6/27/2013	3/26/2015	7/28/2022	10/19/2022	8/1/2023
cost	$ 61,090.00	$ 61,090.00	$ 62,360.00	$ 111,450.00	$ 127,320.00	$ 139,825.00



	SCADA Full Plant	
11/1/2021	$ 117,735.29	
11/1/2022	$ 125,040.15	6%
11/1/2023	$ 132,345.00	6%
11/1/2024	$ 139,669.87	6%
11/1/2025	$ 146,974.72	5%
11/1/2026	$ 154,279.58	5%
11/1/2027	$ 161,584.43	5%
11/1/2028	$ 168,909.30	5%
11/1/2029	$ 176,214.15	4%
	Average	5%

Pipeline Cost Escalation

Pipe Size	6"			8"			12"		
	Job	date	cost ($)	Job	date	cost ($)	Job	date	cost ($)
	9122L	8/28/2018	181.80	9214L	10/1/2019	217.93	9048L	8/28/2018	252.28
	9190L	7/30/2019	248.16	9130L	2/5/2019	168.54	6292F	7/19/2018	194.21
	9130L	2/5/2019	166.41	9128L	6/20/2019	221.36	6321F	9/20/2018	272.26
	9173L	3/14/2019	170.84	9124L	11/29/2018	214.63	6351F	11/29/2018	220.44
	9148L	10/20/2020	221.97	7998L	5/1/2018	119.60	9232L	5/7/2019	232.21
	9440L	9/3/2020	161.21	9559L	10/20/2020	227.67	7734L	12/27/2018	366.02
	9169L	3/18/2021	203.27	9243L	12/1/2020	206.14	7733L	12/27/2018	371.59
	9244L	12/1/2020	196.55	9375L	3/2/2021	177.65	6169F	8/15/2019	294.88
	9367L	12/1/2020	196.77	9440L	9/3/2020	191.79	9319L	11/4/2021	292.88
	9164L	3/2/2021	193.70	9354L	10/15/2020	242.64	9463L	6/9/2022	437.00
	9375L	3/2/2021	154.03	9423L	12/14/2021	243.90	9659L	4/25/2023	554.87
	9131L	12/9/2021	252.92	9564L	5/11/2021	226.78	9795L	3/15/2022	915.88
	9164L	3/2/2021	268.81	9625L	2/9/2023	503.42	9996L	8/8/2023	650.80
	9433L	5/25/2022	339.70	9641L	3/29/2022	257.11	6408F	1/19/2023	355.48
	9487L	4/5/2022	380.55	9650L	2/28/2023	279.05	6482F	3/9/2021	348.52
	9489L	2/9/2023	370.59	9652L	12/9/2021	348.72	6542F	4/11/2023	518.42
	9564L	5/11/2021	235.96	9657L	2/7/2023	336.53	6543F	1/5/2023	519.34
	9641L	3/22/2022	255.19	9773L	7/22/2021	356.39	6579F	10/29/2020	242.28
	9644L	4/1/2021	259.06	9822L	9/1/2022	426.40	6629F	6/15/2021	393.83
	9645L	1/10/2023	314.29	9895L	4/3/2023	391.59	6639F	4/13/2023	463.91
	9647L	12/15/2022	295.16	9910L	3/17/2022	261.03	6640F	1/10/2023	369.08
	9650L	2/28/2023	269.55	9983L	8/25/2022	533.30	6654F	9/16/2021	434.64
	9657L	2/7/2023	329.26	6408F	1/19/2023	348.74	6708F	9/23/2021	359.96
	9658L	3/1/2022	325.67	6482F	3/9/2021	331.65	6713F	10/21/2021	365.52
	9659L	4/25/2023	510.69	6531F	4/13/2023	325.87	6719F	11/18/2021	217.93
	9895L	4/3/2023	397.00	6542F	4/11/2023	729.18	6793F	11/3/2021	251.81
	9910L	3/17/2022	261.37	6595F	12/9/2021	334.11	6904F	2/28/2023	384.24
	6408F	1/19/2023	312.50	6638F	2/14/2023	386.31			
	6542F	4/11/2023	645.95	6639F	4/13/2023	415.12			
	6585F	9/24/2020	159.69	6646F	11/23/2021	355.08			
	6606F	10/22/2020	149.14	6647F	11/16/2021	429.40			
	6740F	10/21/2021	139.86	6648F	7/29/2021	422.24			
	6808F	3/24/2022	432.01	6736F	5/12/2022	286.24			
	6910F	2/7/2023	428.14	6761F	3/24/2022	237.26			
				6808F	3/24/2022	240.55			
				6886F	1/12/2023	662.04			
				6900F	3/7/2023	304.71			
				6910F	2/7/2023	457.70			



		6"		8"		12"	
Date	cost	change	cost	change	cost	change	
11/1/2021	287.17		356.91		406.09		
11/1/2022	348.93	22%	432.17	21%	457.59	13%	
11/1/2023	410.69	18%	507.43	17%	509.09	11%	
11/1/2024	472.61	15%	582.90	15%	560.74	10%	
11/1/2025	534.37	13%	658.16	13%	612.24	9%	
11/1/2026	596.13	12%	733.43	11%	663.74	8%	
11/1/2027	657.89	10%	808.69	10%	715.24	8%	
11/1/2028	719.81	9%	884.16	9%	766.88	7%	
11/1/2029	781.57	9%	959.42	9%	818.39	7%	
	average	11%		11%		8%	
grand average		10%					

ATTACHMENT 5: SGVWC's Response to Cal Advocates' Data Request MTN-002, with Attachment A

SAN GABRIEL VALLEY WATER COMPANY

February 28, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-002 (Retirements)- Supplement**

Dear Mr. Aslam:

In response to your data request dated January 15, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-002 Attachment A, and provide the following data in Excel format, for each retirement recorded from 2014 through 2024:

a. Division (General, Los Angeles, or Fontana)
b. Year Retired
c. Cost/Original Recorded Book Value
d. Location/Plant Site
e. Plant Account Number
f. Plant Account Category
g. Asset Description
h. Asset ID No.
i. Date in Service
j. Date Added to Plant Account
k. Date Out of Service

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l. Date Retired
m. Asset Category
n. Service Life for the Asset Category
o. Depreciation Rate
p. Net Book Value at Time of Retirement
q. Full or Partial Retirement
r. Reason for Retirement

RESPONSE NO. 1
Please see \MTN-002 ATTACHMENT A (SUPPLEMENT).xlsx\.

RESPONDING WITNESSES: Harris

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker
Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 5 (continued): MTN-002 Attachment A

Note: This document is too lengthy to include here. Due to file size, the excel sheet is available via email.

To access relevant data, refer to the following:

Excel file:

"Attachment 5 (continued) - MTN-002 ATTACHMENT A (SUPPLEMENT).xlsx"

Sheet:

"Data Req#MTN-002 Attachment A"

Cells:

A1:R25937

ATTACHMENT 6: SGVWC's Response to Cal Advocates' Data Request MTN-013, Attachments 1 (page 45) and 3.d.ii.2

SAN GABRIEL VALLEY WATER COMPANY

April 10, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-013 (Supply and Storage)**

Dear Mr. Aslam:

In response to your data request dated April 3, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Referring to SG-14, Attachment B, Plant F10, Page 6 of 7, SGVWC indicates that it is necessary to replace Well F10C with proposed Well F10E to ensure that SGVWC can meet its obligation to produce 1,000 acre-feet of water from Well F10C. SGVWC indicates it "will be required to pay the difference between 1,000 acre-feet and the quantity of water the well actually produces." Please clarify the following items (a) through (e), and provide supporting documentation for each:

a. What drives this obligation to produce 1,000 acre-feet of water from Well F10C,

b. Within what timeframe the 1,000 acre-feet must be produced,

c. Who collects payment if and when SGVWC is penalized for producing less than the 1,000 acre-feet obligation,

d. The cost basis for payments due as a result of producing less than the 1,000 acre feet obligation (if applicable, please provide the unit cost per each acre-foot less than the 1,000 acre-feet obligation),

e. Whether any such costs have been paid to date, and if so the amount(s) and date(s) paid.

f. Explain the ratemaking treatment of any such past costs if paid.

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RESPONSE NO. 1

a. The 1,000 acre-feet minimum production is a condition of the February 7, 1992, Settlement Agreement by and among Fontana Union Water Company, Kaiser Steel Resources Inc., San Gabriel Valley Water Company, and Cucamonga Valley Water District ("Settlement Agreement"). (*see* relevant parts of Section 11(b), p. 37; subsection h(i)(5) & (6), pp. 44 – 45 of the Settlement Agreement provided as \MTN-013 ATTACHMENT 1.pdf\. Also, please note that Well F10C is a replacement well for Well 22 as noted in the Settlement Agreement.)

b. This is an annual requirement.

c. There are no direct costs associated with under production of the 1,000 acre-feet of groundwater, however, it does impact the share of usable water allocated between San Gabriel Valley Water Company and Cucamonga Valley Water District ("CVWD").

d. Please refer to 1c above.

e. Please refer to 1c above.

f. Although no direct costs associated with under production of the 1,000 acre-feet of groundwater have been paid, such under production would affect the proportionate share of Fontana Union's available production that is allocated between San Gabriel and Cucamonga.

REQUEST NO. 2:

Regarding the Capital Budget 2025-2028 for the Los Angeles Division, provided in Exhibit SG-13 Attachment B, SGVWC indicates that grant funds have been allocated for construction of per- and polyfluoroalkyl substances (PFAS) treatment at Plants 1 and 11, but not Plant M12.

a. Please explain which grants were pursued for the PFAS construction project at Plant M12 and provide additional information regarding whether SGVWC encountered specific challenges in securing grant funding this project.

b. Another potential source of funding to address PFAS contamination is the pending "Public Water System Settlements" with the potential to receive funds from four different "Settling Defendants:" 3M, Dupont, Tyco, and BASF. There is an extensive process for administration of the settlement, with various deadlines that participating water systems must meet between 2023 and 2030.

   i. Please confirm if SGVWC intends to pursue funds from all four Settling Defendants, and if SGVWC has met all applicable deadlines to date.

   ii. For funds associated with each of the four Settling Defendants, please provide SGVWC's best available projection of the following items:

1. Amount of funding SGVWC will receive
2. Date of SGVWC receipt
3. How the funds will be utilized by SGVWC
4. The rationale for these selected use(s)
5. Date by which SGVWC will fully expend the funds

RESPONSE NO. 2:

a. San Gabriel received a verbal commitment from the Water Replenishment District of Southern California ("WRD") for funding through WRD's PFAS mitigation program. WRD utilizes federal sources for funding their program. Based on current federal funding program freezes, WRD has withdrawn its offer of funding for San Gabriel Valley Water Company's PFAS Treatment Project at it Plant M12. At this time, future availability of funding is uncertain.

b.

i. San Gabriel has and will continue to pursue funds from all four Settling Defendants and the Company has met all applicable deadlines to date.

ii.

1. Please see the following table showing estimates:

Water System	3M Estimate	DuPont Estimate	BASF Estimate	Tyco Estimate	Total Estimate
El Monte	$23,856,036	$2,291,163	$613,242	$1,468,505	$28,228,946
Montebello	$536,163	$51,484	$15,583	$37,339	$640,569
Fontana	$1,707,857	$164,041	$67,826	$162,206	$2,101,930
Total	$26,100,056	$2,506,688	$696,651	$1,668,050	$30,971,445

These estimates do not represent the final settlement funds San Gabriel will receive. These estimates do not encompass certain adjustments, including Phase Two Baseline Testing Payments, Special Needs Funds, Supplemental Funds, the Litigation Bump, or the Public Water Provider Bellwether Bump. As such, the amounts listed above will likely change.

2. Under the DuPont and 3M settlements the entire DuPont payment is made in one installment, but the 3M payments are broken into multiple installments, with the expectation that the Company will receive roughly 1/3 in Q2 of 2025, roughly 1/3 in Q4 of 2025, and the remaining 1/3 spread in annual installments across the next 6 years. The date on which San Gabriel will receive payment under the Tyco and BASF settlements is unknown at this time.
3. The funds will be utilized in accordance with D.10-12-058, APPENDIX C, which adopted specific accounting rules for all transactions involving contamination

proceeds from damage awards, settlements, government order, or insurance (Water Contamination Proceeds) generally requiring that such proceeds be used to fund remediation and replacement plant sufficient to meet the requirements of General Order 103-A. San Gabriel will also follow the specific accounting procedures for Water Contamination Proceeds set forth in Section 15 of the Uniform System of Accounts for Class A Water Utilities prescribed by the Public Utilities Commission of the State of California.

4. CPUC Rules.
5. Not known at this time.

REQUEST NO. 3:
Referring to the Master Plans for the Los Angeles and Fontana Divisions, in SG-13, Attachments C and E, respectively:

a. Table 7.1 includes information regarding the Performance and Design Criteria for the system. Please respond to the following:

   i. Regarding the criteria for Operational Storage Capacity in Table 7.1, there is discussion of two different criterion that are applied for systems with or without continuous water supply. Please clarify how it is determined whether or not an individual zone has continuous water supply.

   ii. Regarding the criteria for Emergency Storage Capacity in Table 7.1, information in the table indicates that 50% of Maximum Day Demand (MDD) is required based on "the assessment of public safety power shutoffs during high-risk wildfire conditions and the water system's dedicated backup generators." Please provide data, calculations, and other supporting information related to the development of this 50% MDD criterion.

   b. Provide the annual amount of recycled water used, during 2021 through 2024, within each of the nine grouped zones listed in Section 8.1 Water Supply Analysis. This includes four in Los Angeles (Zone 1 West, Zone 1 East, Zone 1 Whittier, Zone M12) and five in Fontana (Alder, Baseline, Juniper, Highland, F19).

   c. Referring to Table 8.1 Existing System Water Supply Capacity Analysis, on the right-hand side of the table, there are columns labeled "Zone Transfer Description/Recommended Supply" and "Zone Transfer" but there is no information regarding zone transfers provided in the table for either division.

      i. Please explain, for each division, why no zone transfers are included in the analysis in Table 8.1.

      ii. Using Fontana Highland Grouped Zone as an example case, please confirm what if anything is limiting SGVWC's ability to regularly transfer excess capacity to other zones that are lacking capacity, such as Juniper, Alder,

and Baseline. If such transfers are feasible, explain why this is not reflected in the analysis in Table 8.1.

d. Referring to Section 5.1.3 in the Los Angeles Master Plan, and Section 5.1.4 in the Fontana Master Plan, respectively, there is a discussion regarding interconnections with other entities for short-term emergency water use. Within both plans, those connections are listed in Table 5.3 Interconnections.

   i. For the Los Angeles Division, please respond to the following:

      1. Explain the reasons why existing interconnections that could provide supply to SGVWC from each of the following entities are closed and considered to be inactive per Table 5.3: City of Arcadia, City of Pico Rivera, Suburban Water Systems, and Metropolitan Water District.

      2. Regarding the notation "CLA-Valve" in Table 5.3, as indicated for existing interconnections with Valley County Water District, Suburban Water Systems, City of Whittier, and Santa Fe Springs, the related note on the table indicates the valve will not turn on unless the "valve setting is met." Explain what this means in practice and whether this is a significant hurdle to receiving water from these entities if and when the need arises.

      3. For each active interconnection in the Los Angeles Division, provide the capacity and indicate in which grouped zone (of those listed on Table 8.1) it is located in.

   ii. For the Fontana Division, please respond to the following:

      1. Regarding a planned interconnection with Jurupa Community Services District, noted on page 5-10 of the Master Plan, provide the actual or estimated completion date.

      2. For each active interconnection in the Fontana Division, provide the capacity and indicate in which grouped zone (of those listed on Table 8.1) it is located in.

e. Referring to Table 8.2 in the Los Angeles Master Plan, data provided indicates that 1,4-dioxane has been detected in Well M11A at a level of 1.9 ug/L, which exceeds the current notification level of 1 ug/L.

   i. Please clarify how SGVWC intends to address this, and whether 1,4dioxane concentrations are expected to impact SGVWC's ability to permit and operate Well M11A after the proposed PFAS treatment is complete.

RESPONSE NO. 3:

a.

i. Continuous water supply refers to a source of water such as a water well that requires no treatment other than chlorination or a treatment plant that treats raw water from either groundwater production wells or surface water sources. In order for a zone to be considered to have continuous water supply, the well or treatment plant must be operational and have the capacity needed to supply the zone. If a pressure zone has direct access to these types of sources, it is deemed as having continuous water supply. If a pressure zone is fed by gravity, via storage reservoirs, then it is not considered to have continuous water supply.

ii. Emergency storage provides water during emergencies. Emergencies cover a wide range of rare but probable events, such as pipeline failures, equipment failures, power outages, pumping system failures, water treatment plant failures, raw water contamination events, and natural disasters. The volume of water that is needed during an emergency is usually based on the estimated amount of time expected to elapse before the disruptions caused by the emergency are corrected. The occurrence and magnitude of emergencies are difficult to predict. The 2019 CCR, Title 22, §64554 (I) recognizes the need for emergency storage, referring to the desire for "sufficient storage or standby source capacity to meet user requirements during reasonable foreseeable shutdowns by supplier." However, California does not have a defined requirement for emergency storage.

The 2017 AWWA M32 provides the following guidelines:

The amount of emergency storage is based on an assessment of the risk of failures and the desired degree of system dependability. As an example, a system operator may desire a full day of emergency storage in order to provide enough storage in the event of a system-wide power failure. An assessment must be made as to the type and nature of the emergency condition, including the frequency, intensity, and duration. In general, a vulnerability analysis, as described in AWWA Manual M19 (2001), should be used to determine emergency storage requirements. Some state or provincial regulations indicate the minimum emergency storage required for the community based on the average or maximum daily demands. In addition, water quality should be a part of the equation when determining the amount of emergency storage to provide. The Utility may relax its minimum pressure requirements under emergency conditions as long as negative pressures are avoided.

San Gabriel's Los Angeles County and Fontana division's facilities depend on electrical utility services to operate. Disruption of electrical service may be caused by grid/distribution failures, natural hazards, or intentional power disruptions. Southern California Edison (SCE) provides electrical service to all Fontana division facilities. Due to the recent wildfire history in California, the State's investor-owned electric utilities, including SCE, have implemented intentional de-energizations, or public safety power shutoffs during high-risk wildfire conditions. For example, the regional-wide power shutoffs in October 2019 and January 2025 lasted about 3-5 days.

San Gabriel's Los Angeles County division has dedicated a number of backup generators at many critical facilities. Many of the facilities that do not have backup generators have a hook up available for a portable generator, which is stored at Plant No. 11. Review of the backup generator capacities at the plant sites that have groundwater wells indicates that the backup generators have sufficient capacities to operate several groundwater production wells.

San Gabriel's Fontana division has dedicated backup generators at many critical facilities in addition to two portable generators stored at the headquarters storage yard. On-site generators can fully operate the Summit water treatment plant and the Headquarters Office during emergencies. Review of the backup generator capacities at the plant sites that have groundwater wells indicates that the backup generators have sufficient capacities to operate five groundwater production wells.

For the purpose of this Master Plan update, considering the Los Angeles County and Fontana division's backup generators and capacities, an emergency storage requirement of 50% MDD was recommended. Although this emergency storage is recommended based on the assessment of public safety power shutoffs during high-risk wildfire conditions and the water system's dedicated backup generators, it should also meet customer demands for a period of 12 hours to allow for repair of main breaks or equipment failures.

b. Please see \MTN-013 ATTACHMENT 3.b.pdf\. Please note, both the Los Angeles County and Fontana Water Company divisions' recycled water systems are independent from the potable water distribution systems and their respective pressure zones.

c.

i. Zone transfers provide redundancy to the system by facilitating the transfer of water from one pressure zone to another. The quantity of water to be transferred between pressure zones is on an as-needed basis and is not pre-determined or set. San Gabriel

has the ability to transfer water between nearby pressure zones but there is no specific quantity of water allocated for zone transfers. For this reason there is no specific value set in the zone transfers column in Table 8.1.

In the Fontana division, the system is already deficient in the Alder, Baseline, Juniper and F19 zones, limiting San Gabriel's ability to transfer water between these zones. Similarly, in the Los Angeles County division, the M12 and Zone 1 Whittier pressure zones are already deficient, limited San Gabriel's ability to transfer water out of these zones. Refer to \MTN-013 ATTACHMENT 3.c.i.pdf\ for a copy of Table 8.1 highlighting the deficiencies in the Los Angeles County and Fontana division systems.

ii. The Fontana division system is designed in such a way that water can be transferred between nearby zones to provide redundancies, but only when surplus water supplies are available or in the case of an emergency. As shown in the referenced Table 8.1, the system is already deficient in the Alder, Baseline, Juniper and F19 zones, limiting San Gabriel's ability to transfer water between these zones. Refer to \MTN-013 ATTACHMENT 3.c.i.pdf\ for a copy of Table 8.1 highlighting the deficiencies in the Los Angeles County and Fontana division systems.

For the reference example of the Highland grouped zone, during periods of low demand when supply exceeds demand, water is able to be transferred between nearby zones from the Highland pressure zone. However, during periods of high demand, when demand exceeds supply, the transfer of water between such zones may not be feasible. As stated in the response to 3.b.i, the transfer of water between zones is on an as-needed basis, with no specific quantities allocated for zone transfers. For this reason there is no specific value set in the zone transfers column in Table 8.1. Additionally, the Highland zone and Juniper zone are on opposite ends of the system. Due to the existing shortages in the Alder and Baseline zone, transfer of water between the Highland and Juniper zone is very limited due to existing shortages and system demands

d.

i.

1. The term "not active" as used in the in the L.A. County division Master Plan is misleading, as these interconnections are isolated and available for emergency use.

2. The note which reads "valve setting is met" indicates that the valve will automatically open and allow water to flow through when system pressures drop below a certain threshold that are specifically set for each CLA-Valve. The

pressure settings of the CLA-Valve are normal and do not pose any hurdles in receiving water from the entities listed on Table 5.3.

3. Please see \MTN-013 ATTACHMENT 3.d.i.3.xlsx\.

ii.

1. The physical connection was completed in October of 2024.

2. Please see \MTN-013 ATTACHMENT 3.d.ii.2

e.

i. The 1.9 ug/l detection of 1,4-dioxane from Well M11A was received in the beginning of 2015. Samples following that result showed a decline to ND in 2016, and have consistently been below 80% of the NL, with the majority of the results being ND until the shutdown of the well through 2020. San Gabriel expects levels to remain below the NL. Additionally, this historic high result is still well below the response level of 35 ug/l, the level which requires removal of the source from service

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Further notwithstanding the preceding provisions of this subsection, if San Gabriel purchases or leases a well or wells from a person or entity other than Fontana Union, or constructs and installs a well or wells which produce(s) water from the Rialto Basin and also purchases or leases from a person or entity other than Fontana Union the right or entitlement pursuant to the judgment referred to in subparagraph (ii) of paragraph C of the Recitals to this Agreement to produce water from such basin, Fontana Union's available water supply shall not include quantities of water produced by such well or wells in the exercise of such right or entitlement; and provided further that, if San Gabriel constructs and installs or purchases a well or wells which produce(s) water from the groundwater basin from which Well No. 22 produces, Fontana Union's available water supply shall not include quantities of water produced by such well or wells, but shall include the quantity of water produced in each calendar year by Well No. 22, or any well which is constructed and installed in replacement thereof, or 1,000 acre-feet for each calendar year, whichever is greater.

If it is determined for any calendar year that either Cucamonga or San Gabriel did not receive its proportionate share of Fontana Union's available water supply, and if (and only if) the deficiency of such party is in excess of 100 acre feet, such party shall be entitled to receive and take delivery of an additional quantity of water, equal to one-third of the quantity of the deficiency for such calendar year in excess of 100 acre feet, from Lytle Creek through the Diversion Facilities and from the Lytle Creek Wells in each of the following three calendar years, and such additional quantity shall be deducted from the said proportionate share of the other party for each such calendar year; provided,

Attachment 6 (continued): MTN-013 Attachment 3.d.ii.2

Table 5.3 – Interconnections

Neighboring Agency	Location	Status	Capacity (GPM)	Group Zone
Two-Way Emergency Supply				
Cucamonga Valley Water District	Werdem Bullock Rd and Wilson Ave, City of Rancho Cucamonga	Active	1,500	FLS Reduced zone
Cucamonga Valley Water District	Cherry Ave and Roanoke Rd, City of Fontana	Active	1,500	Alder Zone

ATTACHMENT 7: SGVWC's Response to Cal Advocates' Data Request MTN-003, with Attachment A (Row 609)

SAN GABRIEL VALLEY WATER COMPANY

Feburary 28, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-003 (CWIP)- Supplement**

Dear Mr. Aslam:

In response to your data request dated January 15, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
In its Workpapers, file "GRCWorkpapers – 2025.xlsx," tab "P2," SGVWC reports the following 2023 end-of-year balances for Construction Work in Progress: (1) $7,537,100 for the General Division (cell AM23), (2) $23,283,800 for the Los Angeles County Division (cell AM103), and (3) $12,685,500 for the Fontana Division (cell AM356). Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-003 Attachment A, and provide the following data in Excel format, for each project included in the above Construction Work in Progress amounts:

a. Division (General, Los Angeles, or Fontana)
b. Year Project Started
c. Project Location/Plant Site
d. Project/Job Number
e. Project Description
f. Total Contributed Funds Through 12/31/2024
g. Total Company Funds Through 12/31/2024
h. Year Closed to Plant, if Applicable
i. If not closed to plant, explain why not and anticipated date of closure to plant.

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j. Annual Expenditures Through 12/31/2024 (one column per year; add columns as necessary to report all annual expenditures)

RESPONSE NO. 1
Please see \MTN-003 ATTACHMENT A (SUPPLEMENT).xlsx\.

RESPONDING WITNESSES: Harris, Yucelen, Swift

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker
Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 7 (continued): MTN-003 Attachment A
(only Row 609 provided here)

Division (General(99), Los Angeles(10, 11), or Fontana(30))	Year Project Started	Project Location/ Plant Site	Project/Job Number	Project Description	Total Contributed Funds through 12/31/2024	Total Company Funds Through 12/31/2024	Year Closed to Plant, if Applicable	If not closed to plant, explain why not and anticipated date of closure to plant	Expenditures 2023	Expenditures 2024
30	2023	PLANT F7	7056F-01	Construction of water production well F7C	N/A	2,671,746.75		Still under constuction. Anticipated closing in 2025	51,838.49	2,619,908.26

Attachment 8: SGVWC's Response to Cal Advocates' Data Request MTN-007, with Attachments D and E

SAN GABRIEL VALLEY WATER COMPANY

March 21, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-007 (Vehicles)**

Dear Mr. Aslam:

In response to your data request dated March 14, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Referring to Exhibit SG-6, Attachment U:

a. On page 1, SGVWC indicates that current mileage thresholds for vehicle replacement of 120,000 (passenger/light duty) and 150,000 (medium/heavy duty) will be reduced by 5,000 miles annually (2025-2028) to make SGVWC mileage thresholds more consistent with current Department of General Services (DGS) criteria for replacement of state-owned fleet vehicles. In 2016, DGS procured a Vehicle Replacement Methodology report which included an analysis specific to the state's fleet, and which provides the basis for DGS' current vehicle replacement criteria that were released in 2017.[1] Please confirm whether or not SGVWC has conducted or procured a similar analysis specific to their own fleet within the last five years.

b. On pages 2 through 5, SGVWC provides the mileage of vehicles forecasted for replacement in this GRC period (2025-2028). Please provide actual annual mileage for each of the past five years (2020-2024), for each of these vehicles forecasted for replacement from 2025 through 2028.

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c. On pages 2 through 5, SGVWC also includes the replacement of several vehicles with the Ford Lightning model, a zero-emission vehicle (ZEV). During 2025 through 2028, 17 vehicles are forecasted for replacement with a Ford Lightning with extended range "depending on availability."

   Referring also to Exhibit SG-6, page 41, SGVWC refers to the California Air Resources Board's (CARB's) Advanced Clean Fleets Rule as a basis for procurement of these ZEVs and indicates that SGVWC's budget forecast for 2025-2028 includes the minimum number of ZEVs necessary for compliance. SGVWC also indicates the possible need to retire internal combustion engine (ICE) vehicles before the end of their operation life, if necessary to meet specified targets. Please provide:

   i. An explanation of whether, based on current replacement projections, and within the current GRC capital budget period (2025-2028), SGVWC expects to have to retire any ICE vehicles before the end of their operational life.

   ii. The current total number of vehicles (in 2025) within each of the three milestone groups outlined in CARBs ZEV Fleet Milestone groups[2] (i.e., Milestone Group 1: Box trucks, vans, two-axle buses, yard trucks, light duty package delivery vehicles; Milestone Group 2: Work trucks, day cab tractors, pickup trucks, buses with three axles, and Milestone Group 3: Sleeper cab tractors and specialty vehicles).

   iii. SGVWC's basis for calculating the number of Ford Lightning vehicles necessary for compliance with CARB's Advanced Clean Fleets Rule.

d. On page 3, SGVWC lists Unit 677 for replacement in 2026. There is no model or year provided for this vehicle. Please provide the model and year for Unit 677.

e. On page 4, SGVWC lists Unit 704 for replacement in 2027, and indicates the existing F250 will be replaced with an F350 Utility Bed vehicle. Please provide the reason for this upgrade.

f. On page 4, SGVWC also lists Unit 652 (with mileage of 43,027) for replacement in 2027, with a note that this is an early replacement pursuant to an attached memo, but the memo does not appear to be attached. Please provide a copy of the referenced memo regarding early replacement.

RESPONSE NO. 1

a. SGVWC performs a very similar vehicle retirement analysis as conducted by California DSG for Fleet Retirement, specifically Retirement Schedule Criteria – 4126 updated October of 2017 (see **ATTACHMENT A**). SGVWCs retirement criteria is primarily focused on "Vehicle Mileage" when compared to DSGs Retirement Schedule Criteria – 4126. The age of a vehicle can be a factor when considering increasing maintenance or lack of available parts for repairs. For SGVWC, vehicles with a Gross Vehicle Weight Rating (GVWR) of up to 8,500 pounds are considered passenger and light duty vehicles and are not eligible for retirement until they reach 115,000 miles as noted in the proposed 2025 Vehicle Replacement Schedule. Whereas DSG eligibility is at five years and/or 65,000 miles for pickup trucks and seven years and/or 85,000 miles for sport utility vehicles. Additionally, DSG eligibility for vehicle retirement for vehicles over 16,001 pounds is eleven years and/or 115,000 miles. For SGVWC, this would be considered medium to heavy duty and these vehicles are not eligible for retirement until they reach 145,000 miles as noted in the 2025 Vehicle Replacement Schedule. SGVWC works diligently to best utilize its fleet to extend the useful life of all its vehicles. This includes reassigning high mileage vehicles to less demanding positions or roles as the vehicle is nearing the end of its useful life. This is done to reduce maintenance costs while extending its useful life with a lighter workload as the vehicle is at its highest point of mileage.

   Attachment U to SG-6 is a similar analysis to DSGs Retirement Schedule Criteria - 4126. The information provided in Attachment U's Vehicle Replacement Schedule includes the retiring vehicle model, unit identification number, year of vehicle model and mileage at the time of filing the General Rate Case (GRC). As shown in Attachment U, all of the recommended SGVWC retirement vehicles will exceed the 115,000 mile (passenger or light duty) or 145,000 mile (medium and heavy duty) thresholds which are far higher than what is recommended in the DSG guidelines. SGVWC's Fleet Management approach over this GRC cycle is to slowly reduce the retirement eligibility mileage to better align with DSG guidelines, thereby reducing maintenance costs on high mileage vehicles and striving to meet the Advanced Clean Fleet guidelines.

b. Annual mileage varies from year to year based on individual driving requirements, vehicle assignment changes and overtime requirements. Please see **ATTACHMENT B** for actual annual mileage for all recommended retirement vehicles in this GRC.

c. i. The memorandum dated July 26, 2024 was inadvertently omitted from SG-6 and is now provided in response to this Data Request as **ATTACHMENT C**. As noted in the memorandum, the only ICE vehicles expected for retirement before the end of their operational life in this GRC are the GMC units that SGVWC can no longer obtain replacement parts for. These vehicles will not achieve the 145,000 mile target due to a lack of available parts to keep them operational. Because of the experience with GMC and lack of replacement parts, SGVWC does not plan to replace these units with future

GMC units. The Company has had far greater success with ongoing maintenance parts by using Ford units, and therefore plans to replace the GMC units with Fords due to our success in longer term parts availability.

ii. As detailed in the June 2024 report from Yorke Engineering (see **ATTACHMENT D**) below are SGVWCs Zero Emission Vehicles group totals as detailed in Table 1-2 of ATTACHMENT B.

Group 1	2
Group 2	59
Group 3	0

iii. SGVWC is highly dependent on ICE for its daily operations and heavy construction workloads, where fully-electric vehicle technology is not currently able to meet the Company's needs. Therefore, based on the Zero Emission Fleet Milestone program the Company can comply with the ACF guidelines while purchasing ICE vehicles for its daily operations. Based on the report from Yorke Engineering, the Company has 63 vehicles subject to the regulation by 2042 (see Section 2.2 of **ATTACHMENT D**). Therefore, to meet the ZEFM requirements, the Company proposes to replace light duty vehicles that meet the retirement mileage with ZEV's for those employees that are able to conduct their daily responsibilities with a fully electric vehicle. In the case of the proposed 2025 Vehicle Replacement Schedule, this results in seven direct ZEV replacements.

d. Unit 677 is a 2011 Ford F550. Please see a corrected Attachment U to SG-6 (**ATTACHMENT E**). The revised Attachment U also has corrections for double-counted vehicles in 2027 and 2028 in the Los Angeles County division, which reduces the proposed budget amounts by $357K and $69K respectively.

e. The replacement for Unit 704 is being increased from a F250 (3/4-ton) to a F350 (1-ton) based on carrying capacity needs. This is a service truck that is required to carry a jackhammer, pump, tanks & torches, welder and numerous parts and meters for daily repairs. For safety in road handling, stopping power and load carrying capacity, this truck size is being increased. SGVWC has also identified opportunities to downsize truck sizes, such as in the Los Angeles County and Fontana Water Company division Production and Treatment departments. Beginning in the last GRC, the Company identified that as a result of increased load capacities of F150 (1/2-ton) pick-ups, the Company no longer needs to purchase 3/4-ton pick-ups for these positions. This included purchasing far lower-cost bed organizers versus more costly utility service beds that were historically manufactured to specification per vehicle. SGVWC is continuously looking at ways to improve its Fleet Management program to apply fiscal responsibility while meeting all safety and compliance objections.

f. The memorandum dated July 26, 2024 was inadvertently omitted from SG-6 and is now provided in response to this Data Request as **ATTACHMENT C**. As noted in the memorandum, the only ICE vehicles expected for retirement before the end of their operational life in this GRC are the GMC units that SGVWC can no longer obtain replacement parts for. These vehicles will not achieve the 145,000-mile target due to the lack of available parts to keep them operational. Because of the experience with GMC and lack of available replacement parts, SGVWC does not plan to replace these units with future GMC units. The Company has had far greater success obtaining ongoing maintenance parts with Ford units, and plans to replace the GMC units with Fords due to our success in longer term part availability.

RESPONDING WITNESSES: Swift

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Advanced Clean Fleets Analysis Report

San Gabriel Valley Water Company

15966 Arrow Route
Fontana, CA 92335

June 2024

Prepared by:

Yorke ENGINEERING, LLC
www.YorkeEngr.com

Office Locations:
Los Angeles, Orange County,
Riverside, Ventura, San Diego, Fresno, Merced,
Bakersfield, Berkeley, San Francisco

Tel: (949) 248-8490
Fax: (949) 248-8499

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Mobile Sources Regulatory and Compliance Review

1.0 OVERVIEW

San Gabriel Valley Water Company (SGVWC) operates potable water distribution facilities throughout the service area within the South Coast Air Quality Management District (SCAQMD). SGVWC operate on-road vehicles such as pickup trucks, dump trucks, and utility vehicles, which are used by SGVWC as part of daily operations. This mobile equipment is regulated by the California Air Resources Board (CARB) under the Advanced Clean Fleets (ACF) regulation for High Priority and Federal (HPF) Fleets.

On-road vehicle fleets are regulated by CARB and/or the SCAQMD based on vehicle gross weight rating (GVWR) weight class category. Weight class terminology varies between agencies, as shown in Table 1-1 for the United States Environmental Protection Agency (U.S. EPA) and Federal Highway Administration (FHWA). Both sets of categorizations are provided in Table 1-1 because, although CARB and SCAQMD emission standards follow the U.S. EPA classes, some companies might be more familiar with the FHWA groupings of classes and categories. On-road vehicles that are in U.S. EPA Class 2B and greater are subject to ACF.

Table 1-1: GVWR Categories and Weight Class Terminology

GVWR Weight (lbs)	U.S. EPA Class	U.S. EPA Category	FHWA Class	FHWA Category
Under 6,000	Class 1	Light Duty	Class 1	Light Duty
6,001-8,500	Class 2A		Class 2	
8,501-10,000	Class 2B	Light Heavy Duty (HD)		
10,001-14,000	Class 3		Class 3	Medium Duty
14,001-16,000	Class 4		Class 4	
16,001-19,500	Class 5		Class 5	
19,501-26,000	Class 6	Medium HD	Class 6	
26,001-33,000	Class 7		Class 7	Heavy Duty
Over 33,000	Class 8	Heavy HD	Class 8	

1.1 Applicable Vehicles

Of the 206 on-road vehicles within the SGVWC fleet inventory, 63 vehicles are subject to the ACF regulation. SGVWC's ACF applicable inventory is summarized in Table 1-1, and the two ACF compliance pathways are discussed below.

Table 1-2: SGVWC On-Road ACF Applicable Inventory

Milestone Group	Vehicle Category	Engine Model Year(s)	Count
Group 1	Van	2010, 2015	2
Group 2	Dump Truck	2009, 2019, 2020	6
Group 2	Flatbed Truck	2017	1
Group 2	Pickup truck	2011, 2019, 2022	4
Group 2	Service/Utility Truck	2004, 2005, 2008-2012, 2014-2017	33

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List of Acronyms and Abbreviations

ACF	Advanced Clean Fleet
ACT	Advanced Clean Truck
APWA	American Public Works Association
BACT	Best Available Control Technology
CARB	California Air Resources Board
CCR	California Code of Regulations
CFR	Code of Federal Regulations
CMUA	California Municipal Utilities Association
CTC	Clean Truck Check
DMV	[California] Department of Motor Vehicles
DOORS	Diesel Off-Road Online Reporting System
DPF	Diesel Particulate Filter
ECL	Emission Control Label
EIN	Equipment Identification Number
EMY	Engine Model Year
FAW	Front Axle Weight
GVWR	Gross Vehicle Weight Rating
HD	Heavy Duty
HD I/M	Heavy-Duty Inspection and Maintenance
hp	Horsepower
ICE	Internal Combustion Engine
LEV	Low-Emission Vehicle
LSI	Large Spark-Ignition
NO_x	Nitrogen Oxides
NZEV	Near-Zero-Emission Vehicle
OBD	On-Board Diagnostics
OEM	Original Engine Manufacturer
ORD	Off-Road Diesel
PAU	Public Agency and Utility
PLU	Permanent Low Use
PM	Particulate Matter
PSIP	Periodic Smoke Inspection Program
SCAQMD	South Coast Air Quality Management District
SLGA	State and Local Government Agency
ULEV	Ultra-Low-Emission Vehicle
VDECS	Verified Diesel Emission Control Strategy
VIN	Vehicle Identification Number
ZEV	Zero-Emission Vehicle
ZEFM	Zero-Emission Fleet Milestone

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Mobile Sources Regulatory and Compliance Review

1.0 OVERVIEW

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GVWR Weight (lbs)	U.S. EPA Class	U.S. EPA Category	FHWA Class	FHWA Category
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8,501-10,000	Class 2B	Light Heavy Duty (HD)		
10,001-14,000	Class 3		Class 3	Medium Duty
14,001-16,000	Class 4		Class 4	
16,001-19,500	Class 5		Class 5	
19,501-26,000	Class 6	Medium HD	Class 6	
26,001-33,000	Class 7		Class 7	Heavy Duty
Over 33,000	Class 8	Heavy HD	Class 8	

1.1 Applicable Vehicles

Of the 206 on-road vehicles within the SGVWC fleet inventory, 63 vehicles are subject to the ACF regulation. SGVWC's ACF applicable inventory is summarized in Table 1-1, and the two ACF compliance pathways are discussed below.

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Group 2	Flatbed Truck	2017	1
Group 2	Pickup truck	2011, 2019, 2022	4
Group 2	Service/Utility Truck	2004, 2005, 2008-2012, 2014-2017	33

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Milestone Group	Vehicle Category	Engine Model Year(s)	Count
Group 2	Water Truck	2019	1
Group 2	Work Trucks	2000, 2001, 2003, 2011, 2016, 2020-2022	14
		Total	**61**

2.0 CARB ADVANCED CLEAN FLEETS (ACF) REGULATION FOR HIGH PRIORITY AND FEDERAL (HPF) FLEETS

The CARB ACF regulation is effective as of October 1, 2023. However, the EPA has not yet granted a preemption waiver for the ACF regulation, meaning CARB cannot enforce the ACF requirements for high priority fleets, such as SGVWC's fleet, until the EPA grants a waiver or determines a waiver is not necessary. Reporting is optional until the waiver is granted or determined to be unnecessary; however, fleets will need to report their fleet as it existed on January 1, 2024, as well as any removals or additions to the California fleet since January 1, 2024, once the waiver is granted or is determined to be unnecessary.

The ACF regulation requires HPF fleets to purchase zero-emission vehicles (ZEVs) for on-road vehicles with GVWR over 8,500 pounds. There are two compliance pathways available:

1. Minimum Useful Life (MUL) Pathway (i.e., the default compliance pathway): Starting January 1, 2024, only Zero Emission Vehicles (ZEVs) may be added to the California fleet. An internal combustion emission vehicle (ICEV) may only be purchased if it qualifies for an exemption. Under the MUL Pathway, all internal combustion engine vehicles (ICEVs) must be retired by January 1 of the calendar year the vehicle reaches its MUL. MUL is defined as the following:

    a. Model Year Engines 13 years or older with 800,000 miles or more; or

    b. Model Year Engines 18 years or older (regardless of mileage).

    The MUL Pathway requires that a vehicle must be retired by the time the vehicle reaches 800,000 miles or when the vehicle engine reaches 18 years old, whichever occurs first. SGVWC follows the vehicle replacement schedule criteria of the Department of General Services 2008 Fleet Handbook and retires their heavy duty trucks and vehicles having a GVWR of 8,501 pounds or more once reaching 150,000 miles. While SGVWC retires their vehicles once they reach 150,000 miles (well below the 800,000 mile threshold under ACF), a vehicle with a low annual mileage rate may reach 18 years old before it reaches 150,000 miles and would then be required to retire under ACF before it would be required to retire under the Department of General Services 2008 Fleet Handbook. For example, a high use vehicle with a 2015 engine model year (EMY) that has over 800,000 miles will need to be retired in 2028 because the EMY will be greater than 13 years and mileage over 800,000 miles. By contrast, a relatively low use vehicle that does not exceed 800,000 miles would not need to be retired until 2033, when the EMY age reaches 18 years.

2. Zero-Emission Fleet Milestone (ZEFM) Pathway (i.e., the alternative compliance pathway): Until January 1, 2030, fleet owners may opt into this pathway in lieu of the MUL Pathway. Fleet owners are able to switch between the two pathways any number of times until January 1, 2030. However, when switching compliance pathways, the fleet must be compliant with the chosen pathway at the time of switching. This pathway requires that

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SGVWC continuously meet or exceed the ZEV Fleet Milestone requirements by having a certain number of ZEVs in their fleet. The number of ZEVs required to be in the fleet will increase by each Milestone Year through 2042.

Pursuing this alternative compliance pathway may provide HPF fleets with greater flexibility to manage their composition of ZEV and non-ZEV vehicles using a phase-in schedule over time based on vehicle categories or groups. The compliance criteria is based on the percentage of ZEVs in the total fleet for each vehicle group.

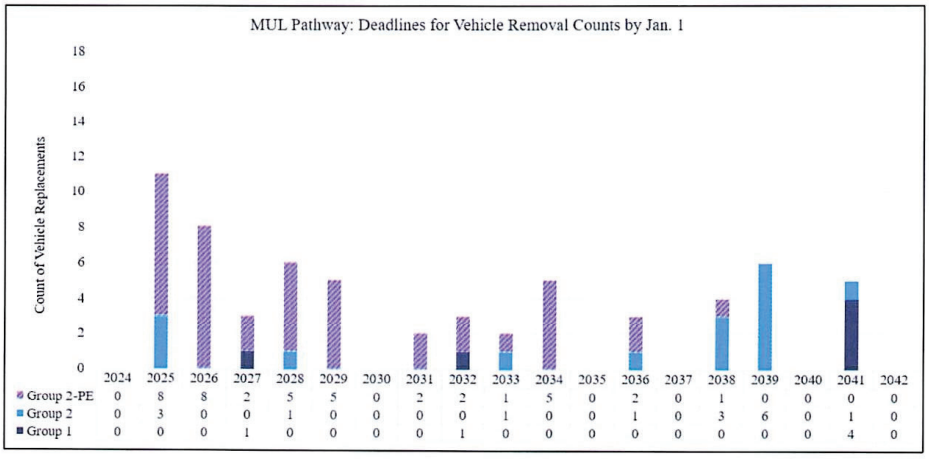
This option also requires fleet owners to acknowledge that they are knowingly and voluntarily waiving the provisions of Health and Safety Code section 43021(a), which defines the useful life of a vehicle. Therefore, depending on the age of a fleet, the ZEFM Pathway may require replacing vehicles that have not yet reached their useful life in order to meet fleet milestones.

2.1 SGVWC Fleet Forecast Under Minimum Useful Life (MUL) Compliance Pathway

Yorke performed a fleet forecast analysis specific to SGVWC's vehicles to demonstrate the number of vehicles that will reach their MUL in a given year and be required to be retired from the California fleet. For this analysis, Yorke assumed the MUL of each vehicle is when the vehicle engine reaches 18 years rather than the vehicle reaching 800,000 miles.

Figure 2-1 shows the number of vehicles in SGVWC's fleet that are due to be removed by January 1 of each calendar year a vehicle's engine reaches 18 years old, broken down by Milestone Group. We assume that the engine model year is one year older than the vehicle model year. The group denoted "Group 2-PE" represents the number vehicles that are currently eligible for ZEV Purchase Exemptions.

Figure 2-1: MUL Schedule with Replacements



	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Group 2-PE	0	8	8	2	5	5	0	2	2	1	5	0	2	0	1	0	0	0	0
Group 2	0	3	0	0	1	0	0	0	0	1	0	0	1	0	3	6	0	1	0
Group 1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	4	0

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2.2 ZEFM Milestone Pathway Compliance Option

Yorke performed a fleet forecast analysis specific to SGVWC's vehicles to demonstrate potential deadlines for vehicle removal under the ZEFM Pathway. The ZEFM Pathway allows for ZEV and ICE vehicle purchases at any time, so long as the fleet meets the ZEFM percentage requirements. Table 2-1 shows the milestone groups and years for calculating the associated ZEV percentages. Although the percentages for each year shown in Table 2-3 are based on Milestone Group, compliance can be met with ZEVs from any milestone group.

Table 2-1: ZEFM by Milestone Group and Year

Percentage of Vehicles that must be ZEV	10%	25%	50%	75%	100%
Milestone Group 1: Box trucks, vans, two-axle buses, yard tractors, light-duty package delivery vehicles	2025	2028	2031	2033	2035+
Milestone Group 2: Work trucks, day cab tractors, three-axle buses	2027	2030	2033	2036	2039+
Milestone Group 3: Sleeper cab tractors and specialty vehicles	2030	2033	2036	2039	2042+

The annual ZEV Fleet Milestone is calculated by counting the vehicles in the California fleet for each of the three Milestone Groups listed in Table A, then multiplying the number of vehicles in each Milestone Group by the ZEV percentage requirement for that year as shown in Equation 2-1: ZEV Fleet Milestone Equation.

Equation 2-1: ZEV Fleet Milestone Requirement

([Milestone Group 1 Vehicle Count] × [Milestone Group 1 Percentage Requirement])+([Milestone Group 2 Vehicle Count]× [Milestone Group 2 Percentage Requirement])+([Milestone Group 3 Vehicle Count] × [Milestone Group 3 Percentage Requirement]) = ZEV Fleet Milestone

Examples for calculating the count of ZEV replacements for the ZEFM Pathway include the following:

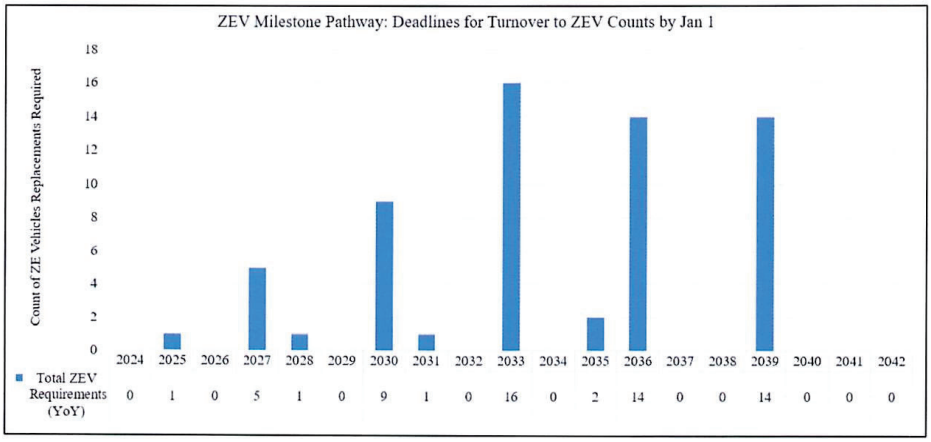
- For example, by January 1, 2027, a fleet with 30 Group 1 (G1), 60 G2, and 40 G3 vehicles (ICE vehicles and ZEVs, excluding exempt ICEs) would calculate their required ZEV count as 3 (G1) + 6 (G2) + 0 = 9 ZEVs, which could be met with ZEVs from any combination of any of the milestone groups.
  - By 2028, the ZEVs required would be 8 (G1) + 6 (G2) + 0 = 14 ZEVs.
  - By 2033, the ZEVs required would be 23 (G1) + 30 (G2) + 10 (G3) = 63 ZEVs.
- A Class 8 vehicle with a Front Axle Weight (FAW) over 12,500 pounds can be classified as a "specialty vehicle," which moves it from Group 2 to Group 3.

For SGVWC's Fleet, the ZEFM Pathway compliance option would require the 63 vehicles subject to the ACF regulation that do not qualify for exemptions or extensions to be turned over to ZEVs in the timeline shown in Figure 2-2, assuming one-for-one ZEV replacements.[1]

[1] Depending on the operating capabilities of replacement ZEVs, in some cases multiple ZEVs may be required to replace the operating capabilities of a single ICE vehicle.

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Figure 2-2: ZEFM Schedule: Required Phase-Out Jan. 1st Deadlines



Updates for exemptions and extensions can adjust both of these timelines. Currently, 41 of SGVWC's vehicles (six dump trucks, one flatbed truck, 33 utility trucks, and one water truck) subject to the ACF regulation are on the ZEV Purchase Exemption configuration list in the regulation, which will be published by January 1, 2025. Once this list is published, the vehicle configurations on the list are able to be replaced with ICE vehicles at that time. However, the ZEV Purchase Exemption Configuration List is subject to change as more ZEV configurations become available. Prior to the publication of the list, fleet owners must apply for and be granted ZEV purchase exemptions by CARB. See Section 2.4 for a breakdown of exemptions and extensions under each compliance pathway.

2.3 Compliance Option Comparison

Figure 2-3 compares the two pathways on one timeline in addition to providing an additional line demonstrating SGVWC's internal projected vehicle turnover based on SGVWC's own replacement schedule.

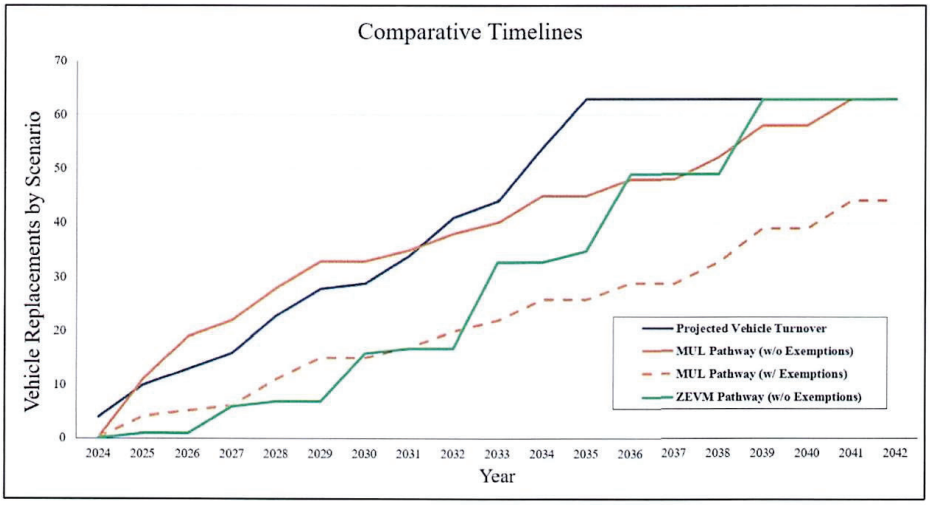
In Figure 2-3, four lines are shown and described below:

- "Projected Vehicle Turnover" represents SGVWC's expected normal, cumulative replacement schedule through 2042 based on SGVWC's plan to remove vehicles after they reach 150,000 miles. This data line should help in comparing the two pathways and determining which may work best for SGVWC based on SGVWC's normal replacement schedule.
- "MUL Pathway (w/o exemptions)" represents the cumulative vehicle replacements to ZEV through 2042 for the MUL Pathway if no exemptions are used.
- "MUL Pathway (w/ exemptions)" represents the cumulative vehicle replacements to ZEV through 2042 for the MUL Pathway if exemptions are used for purchase exempt vehicles. This line is assuming that the fraction (or percentage) of applicable exemptions that currently apply to vehicles will decrease over time as well as manufacturers develop zero-emission alternatives.

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- "ZEVM Pathway" demonstrates the cumulative required number of vehicles that must be replaced with ZEV under the ZEVM Pathway.

Figure 2-3: Pathway Comparison Timeline



2.4 Exemptions and Extensions

Exemptions and extensions are available in either compliance pathway, whereas a few are limited to one of the two pathways. A summary of available ACF regulation exemptions and extensions is listed in Table 2-2.

Table 2-2: ACF Regulation Exemptions and Extensions

Exemption	Exemption Description	Notes
Backup Vehicle [Both]	Less than 1,000 miles per year.	May retain indefinitely.
Mutual Aid Assistance [Both]	Request purchase of ICE vehicle to assist during a declared emergency event, which is the time period of an emergency event declared or duly proclaimed by a local governing body, state Governor, or the President of the United States.	25% cap. ICE vehicle not limited to declared emergency event operations. Must have a mutual aid agreement to send vehicles to assist other entities during a declared emergency event.
ZEV Purchase [Both]	Request purchase of replacement ICE vehicle if configuration is on CARB's ZEV Purchase Exemption List or via application.	MUL: ICE vehicle being replaced must be at least 16 years old. ZEFM: Exemption is granted only if an exemption is needed for fleet to remain in compliance.
Daily Usage [Both]	Request purchase of ICE vehicle if ZEVs and NZEVs available do not meet daily usage needs.	MUL: ICE vehicle being replaced must be at least 16 years old.

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Exemption	Exemption Description	Notes
		ZEFM: Exemption is granted only if an exemption is needed for fleet to remain in compliance.
ZEV Infrastructure: Construction Delay [Both]	Request to temporarily count ICE vehicle as ZEV.	Need construction permit.
ZEV Infrastructure: Electrification Delay [Both]	Request prior to 2030 to temporarily count ICE vehicle as ZEV.	Power provider cannot supply needed power.
ZEV Delivery Delay [ZEFM]	ZEFM: Request retention of ICE vehicle while waiting for ZEV.	MUL: Gain an extension for vehicles required to be removed. ZEFM: ICE vehicle temporarily counts as ZEV while awaiting delivery.
Non-Repairable Vehicles	May request exemption from ZEV Addition requirement to purchase used ICE vehicle following catastrophic failures.	Same or newer model year. Exclude from ICE vehicle removal requirement until end of useful life. Useful life of the replacement will be based on the engine model year and mileage of the non-repairable vehicle.

Backup vehicles are exempt from the MUL phaseout requirements under the MUL pathway. Backup vehicles are also excluded from the ZEV milestone requirement calculations and are not required to be turned over to ZEVs under the ZEFM pathway. SGVWC currently does not have any vehicles designated as backup vehicles but may newly designate vehicles as backup vehicles during the January reporting period. Backup vehicles are required to operate less than 1,000 miles per year. When designating a backup vehicle, the fleet owner will need to report the odometer reading from January 1 of the current calendar year. The fleet owner is then required to report the odometer reading annually moving forward.

For a few of the exemptions [Daily Usage, ZEV Infrastructure Delay, and ZEV Purchase Exemption (for ZEV unavailability)], the ACF regulation language requires the ICE vehicle being replaced to be at least 16 years old if following the MUL Pathway. The Mutual Aid Assistance exemption allows requests for the purchase of new ICE vehicles without regard to replacing any existing vehicles, and therefore, there are no end-of-life qualifications built in. Mutual Aid Assistance vehicles are not restricted solely to emergency operations; however, Mutual Aid Assistance vehicles cannot make up more than 25 percent of a fleet owner's California fleet.

Under the ZEFM Pathway, SGVWC can use the Daily Usage ZEV Purchase Exemptions to add ICE vehicles to their fleet. The Daily Usage Exemption can be applied for in situations where a ZEV is available in a needed configuration but cannot meet the demonstrated daily usage needs of the fleet owner. The ZEV Purchase exemption is for situations where a ZEV is not available in a need configuration. However, these exemptions will only be granted if the exemption is necessary for the fleet to remain in compliance. This means that because of the flexibility of the ZEFM Pathway to allow any ZEV to count towards the ZEV Milestone requirement, fleet owners that have vehicles that can be upgraded to ZEVs must do so before asking for an exemption. For

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example, if a fleet owner following the ZEFM Pathway has a fleet with one vehicle with which its replacement would be eligible for an exemption and nine vehicles that can be replaced with ZEVs, the fleet owner must first replace the nine vehicles with ZEVs before applying for the Purchase Exemption or Daily Usage Exemption for that one vehicle's replacement.

2.5 Manufacturing/Vendor Requirements

When diesel vehicles are allowed to be purchased as part of the ACF vehicle fleet, the newly constructed vehicles available will have reduced emission rates based on the following two influences:

- The Omnibus Regulation mandates the emission rates for heavy-duty diesel vehicles manufactured between 2010-2023 to not exceed nitrogen oxides (NO_x) emission rates of 0.20 g/bhp-hr, vehicles manufactured between 2024-2026 to not exceed 0.05 g/bhp-hr (75% reduction), and vehicles manufactured starting in 2027 to not exceed 0.02 g/bhp-hr (90% reduction).
- Medium and heavy-duty vehicles have increasing sales quotas by weight category and vehicle type starting in 2024 under the Advanced Clean Truck (ACT) regulation. The ACT regulation added a manufacturing section that requires 100% ZEV sales for all vehicles with GVWR over 8,500 pounds starting in 2036. The combination of these manufacturing/vendor sales requirements with the ACF fleet requirements are to impart a supply and demand relationship between the regulated parties.

Table 2-3: ZEV Sales Requirements by Year

Model Year	Class 2B-3 (GVWR 8,501-14,000)	Class 4-8 Non-Tractors (GVWR > 14,001)	Class 7-8 Tractors (GVWR > 26,000)
2024	5 %	9 %	5 %
2025	7 %	11 %	7 %
2026	10 %	13 %	10 %
2027	15 %	20 %	15 %
2028	20 %	30 %	20 %
2029	25 %	40 %	25 %
2030	30 %	50 %	30 %
2031	35 %	55 %	35 %
2032	40 %	60 %	40 %
2033	45 %	65 %	40 %
2034	50 %	70 %	40 %
2035	55 %	75 %	40 %
*2036**	*100%*	*100%*	*100%*

*The 2036 ZEV sales requirement is approved under the ACT regulation but not yet codified into law.

3.0 CONCLUSION

SGVWC currently has a fleet of 63 vehicles applicable to the ACF draft regulation. We understand that SGVWC is leaning towards opting into the ZEFM Pathway. The ZEFM pathway allows for the purchasing of ICEVs, so long as the fleet meets the ZEFM percentage requirements. To utilize the ZEFM pathway, SGVWC should opt into the ZEFM pathway by January 1, 2030.

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If SGVWC has further information regarding which vehicles may qualify as backup vehicles, mutual aid assistance, or are anticipated to not meet the daily usage limits of the initial ZEVs that will come to market, we can aid in adjusting some timeline charts further.

Should you have any questions or concerns, please contact me at (949) 538-9206.

Sincerely,

Dolores Rodriguez

Dolores Rodriguez
Engineer
Yorke Engineering, LLC
DRodriguez@YorkeEngr.com

cc: Michael Davidek, Yorke Engineering LLC
Wendy Fairchild, Yorke Engineering LLC

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APPENDIX A – SGVWC ON-ROAD VEHICLE INVENTORY

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Vehicle ID	VIN	Vehicle Make/Model	Vehicle Weight Class	ACF Vehicle Type
495	1FTZF1726XKB91828	99 Ford F150 w/liftgate	Light-duty	Pickup truck
501	1FDWF36S5YEA35713	2000 Ford F350	Class 3 (10,001 - 14,000lbs)	Work truck
512	1FDWF36S91EA36191	2001 Ford F350	Class 3 (10,001 - 14,000lbs)	Work truck
518	1FDXF46S01ED07360	2001 Ford F450	Class 4 (14,001 - 16,000lbs)	Work truck
566	1FTYR10UX4PB13579	2004 Ford Ranger Pickup	Light-duty	Pickup truck
577	1FDNF20L14ED66337	2004 Ford F250, w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
591	1FDNF20575EB45909	2005 Ford F250 w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
592	1FDNF20515EB45906	2005 Ford F250 w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
593	1FDNF20555EB45911	2005 Ford F250 w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
594	1FDNF20535EB45910	2005 Ford F250 w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
595	1FDNF20555EB45908	2005 Ford F250 w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
597	1FDNF20535EB45907	2005 Ford F250 w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
610	1FTYR14U87PA27475	2007 Ford Ranger Pickup	Light-duty	Pickup truck
611	1FTYR14UX7PA27476	2007 Ford Ranger Pickup	Light-duty	Pickup truck
628	1FTRX12W58FB87948	2008 Ford F150 Pickup	Light-duty	Pickup truck
633	1FTYR14U98PA84804	2008 Ford Ranger Pickup	Light-duty	Pickup truck
635	1FTYR14U18PA84800	2008 Ford Ranger Pickup	Light-duty	Pickup truck
638	1FTVX125X8KE14838	2008 Ford F150 W/Body	Light-duty	Pickup truck
639	1FDSX20508EE18385	2008 Ford F250 W/Body	Class 2B (8,501-10,000lbs)	Service or utility truck
640	1GDG5C1GX9F406290	2009 GMC 5500 W/Body	Class 6 (19,501 - 26,000lbs)	Service or utility truck
642	1GDJ5C1G29F406127	2009 GMC 5500 Dump	Class 6 (19,501 - 26,000lbs)	Dump truck (FAW < 12,500 lbs)
643	1GDG5C1G89F406403	2009 GMC 5500 W/Body	Class 6 (19,501 - 26,000lbs)	Service or utility truck
644	1GDG5C1G89F406515	2009 GMC 5500 W/Body	Class 6 (19,501 - 26,000lbs)	Service or utility truck
645	1FTYR14E69PA55206	2009 Ford Ranger Pickup	Light-duty	Pickup truck
646	1FTYR14E89PA55207	2009 Ford Ranger Pickup	Light-duty	Pickup truck
647	1FTYR14E49PA55205	2009 Ford Ranger Pickup	Light-duty	Pickup truck
652	1GDJ6C1G79F408792	2009 GMC C5500 Dump Truck	Class 6 (19,501 - 26,000lbs)	Dump truck (FAW < 12,500 lbs)
653	1GDJ6C1G29F406772	2009 GMC C5500 Dump Truck	Class 6 (19,501 - 26,000lbs)	Dump truck (FAW < 12,500 lbs)
654	1FDWF3GY0AEA21825	2010 Ford F350 W/Body	Class 3 (10,001 - 14,000lbs)	Service or utility truck
655	1FDWF3GY2AEA21826	2010 Ford F350 W/Body	Class 3 (10,001 - 14,000lbs)	Service or utility truck
656	1GDE5C1G59F406074	2009 GMC C5500 W/Body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
658	1FMNE1BW6ADA54617	2010 Ford E150 Passenger Van	Class 2B (8,501-10,000lbs)	Van
660	2FABP7EV4AX133001	2010 Ford Crown Victoria	Light-duty	Passenger car
664	1GDJ7C1G89F407809	2009 GMC C7500 Dump	Class 6 (19,501 - 26,000lbs)	Dump truck (FAW < 12,500 lbs)
667	1FTKR1EE2BPA12878	2011 Ford Ranger Pickup	Light-duty	Pickup truck
675	1FDRF3G62BEA47078	2011 Ford F350 w/body	Class 3 (10,001 - 14,000lbs)	Service or utility truck
676	1FDUF4GY2BEA47079	2011 Ford F450 w/body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
677	1FDUF5GY1BEA95338	2011 Ford F550 W/Body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
680	1FTKR1EE5BPA47642	2011 Ford Ranger Pickup	Light-duty	Pickup truck
681	1FT7X2A64BEC53112	2011 Ford F250 Pickup	Class 2B (8,501-10,000lbs)	Pickup truck
684	1FD7X2A69BEC68751	2011 Ford F250 W/Utility Body	Class 2B (8,501-10,000lbs)	Service or utility truck
688	1FDUF5GY8BEC20657	2011 Ford F550 W/Body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
689	1FD0X4GY6CEA66506	2012 Ford F450 W/Body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
690	1FDUF4GY9CEA66505	2012 Ford F450 W/Body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
691	1FDUF5GY5CEA83985	2012 Ford F550 W/Body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
696	1FTMF1CM8CKD88835	2012 Ford F150 Reg. Cab	Light-duty	Pickup truck
698	1FTMF1CM6CKD88834	2012 Ford F150 Reg. Cab	Light-duty	Pickup truck
703	1FD7X2A6XCEC31287	2012 Ford F250 w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
704	1FD7X2A61CEC31288	2012 Ford F250 w/body	Class 2B (8,501-10,000lbs)	Service or utility truck
710	1FTMF1CM6DKF00890	2013 Ford F150 Reg. Cab	Light-duty	Pickup truck
711	1FTMF1CM8DKF00891	2013 Ford F150 Reg. Cab	Light-duty	Pickup truck
712	1FTMF1CMXDKF00892	2013 Ford F150 Reg. Cab	Light-duty	Pickup truck
713	1FTMF1CM1DKF00893	2013 Ford F150 Reg. Cab	Light-duty	Pickup truck
714	1FTMF1CM3DKF00894	2013 Ford F150 Reg. Cab	Light-duty	Pickup truck
715	1FTEX1CM5DKE95392	2013 Ford F150 Ex. Cab	Light-duty	Pickup truck
718	3FA6P0PU0ER150623	2014 Ford Fusion Engeri	Light-duty	Passenger car
724	1FD0X4GY9EEB08864	2014 Ford F450 w/body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
727	1FAHP2E83EG134563	2014 Ford Taurus	Light-duty	Passenger car
729	1FTMF1CM4EKF81289	2014 Ford F150 Pickup	Light-duty	Pickup truck
730	1FTMF1CM7EKF81285	2014 Ford F150 Pickup	Light-duty	Pickup truck
731	1FTMF1CM2EKF81288	2014 Ford F150 Pickup	Light-duty	Pickup truck
733	1FTMF1CM9EKF81286	2014 Ford F150 Pickup	Light-duty	Pickup truck
734	1FTMF1CM0EKF81287	2014 Ford F150 Pickup	Light-duty	Pickup truck
735	1FM5K7D86FGA93417	2014 Ford Explorer	Light-duty	Passenger car
736	1FT7X2A68FEB54556	2015 Ford F250 w/Utility Bed	Class 2B (8,501-10,000lbs)	Service or utility truck
737	1FT7X2A6XFEB54557	2015 Ford F250 w/Utility Bed	Class 2B (8,501-10,000lbs)	Service or utility truck
738	1FMZK1YM9FKA38348	2015 Transit 150 Van	Class 2B (8,501-10,000lbs)	Van
740	1FD0X4GY4FEB81237	2014 Ford F450 w/body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
741	3FA6POPUXFR284346	2015 Ford Fusion SE	Light-duty	Passenger car
742	3FA6POPU4FR264531	2015 Ford Fusion SE	Light-duty	Passenger car
743	1FTEX1CF1FKD70877	2015 Ford F150 X-Cab	Light-duty	Pickup truck
744	1FTEX1CF3FKD70881	2015 Ford F150 X-Cab	Light-duty	Pickup truck
745	1FTEX1CF5FKD70879	2015 Ford F150 X-Cab	Light-duty	Pickup truck
746	1FTEX1CF5FKD70882	2015 Ford F150 X-Cab	Light-duty	Pickup truck

Vehicle ID	VIN	Vehicle Make/Model	Vehicle Weight Class	ACF Vehicle Type
747	1FTEX1CF1FKD70880	2015 Ford F150 X-Cab	Light-duty	Pickup truck
749	1FM5K7D84GGA46761	2016 Ford Explorer	Light-duty	Passenger car
753	1FTMF1C88FKD85120	2015 Ford F150 Reg. Cab	Light-duty	Pickup truck
754	1FTMF1C8XFKD85121	2015 Ford F150 Reg. Cab	Light-duty	Pickup truck
755	1FTMF1C81FKD85122	2015 Ford F150 Reg. Cab	Light-duty	Pickup truck
756	1FM5K7D88GGA96160	2016 Ford Explorer	Light-duty	Passenger car
757	1FD0X4GY1GEB17027	2016 Ford F450 w/Body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
758	3FA6P0PU9GR195059	2016 Ford Fusion Engerni	Light-duty	Passenger car
759	3FA6POSU1GR229230	2016 Ford Fusion Engerni	Light-duty	Passenger car
760	1FM5K7D89GGC87750	2016 Ford Explorer	Light-duty	Passenger car
761	1FM5K7D89GGC34899	2016 Ford Explorer	Light-duty	Passenger car
763	1FTMF1C81GKE74612	2016 Ford F150 Reg Cab	Light-duty	Pickup truck
765	1FTMF1C85GKE95950	2016 Ford F150 Reg Cab	Light-duty	Pickup truck
766	1FTEX1C85GKD65538	2016 Ford F150 Xtra Cab	Light-duty	Pickup truck
767	1FTEX1C88GFB26946	2016 Ford F150 Xtra Cab	Light-duty	Pickup truck
768	1FTFX1CF0GKD77714	2016 Ford F150 Xtra Cab LB	Light-duty	Pickup truck
769	1FTFX1CF2GKD77715	2016 Ford F150 Xtra Cab LB	Light-duty	Pickup truck
770	1FTEX1C84GFB26944	2016 Ford F150 Xtra Cab	Light-duty	Pickup truck
773	1FM5K7D87HGB70816	2017 Ford Explorer	Light-duty	Passenger car
774	1FM5K7D81HGB32143	2017 Ford Explorer	Light-duty	Passenger car
775	1FAHP2E87GG141714	2016 Ford Taurus	Light-duty	Passenger car
776	1FADP3R45GL362098	2016 Ford Focus Electric	Light-duty	Passenger car
777	1FM5K7D80HGC32752	2016 Ford Explorer	Light-duty	Passenger car
778	1FDUF4GY0HEB79055	2016 Ford F450	Class 5 (16,001 - 19,500lbs)	Work truck
779	3FA6P0SU0HR312973	2017 Ford Fusion Engerni	Light-duty	Passenger car
780	1FM5K7D83HGD79514	2017 Ford Explorer	Light-duty	Passenger car
781	1FM5K7D80HGB64095	2017 Ford Explorer	Light-duty	Passenger car
782	1FM5K7D86HGD04506	2017 Ford Explorer	Light-duty	Passenger car
783	1FM5K7D85HGD42292	2017 Ford Explorer	Light-duty	Passenger car
784	1FTEX1CF0GKF56606	2016 Ford F150 xtra cab	Light-duty	Pickup truck
785	1FTEX1CF7GKF56604	2016 Ford F150 xtra cab	Light-duty	Pickup truck
786	1FTEX1CF2GKF56610	2016 Ford F150 xtra cab	Light-duty	Pickup truck
787	1FTEX1CF9GKF56605	2016 Ford F150 xtra cab	Light-duty	Pickup truck
788	1FM5K8HT9HGE29276	2017 Ford Explorer	Light-duty	Passenger car
789	1FD0X4GY2HEE48992	2017 Ford F450 Stake bed	Class 5 (16,001 - 19,500lbs)	Flatbed truck
790	1FDUF5GY4HEE58062	2017 Ford F550 W/Body	Class 5 (16,001 - 19,500lbs)	Service or utility truck
791	1FM5K8D81JGB58186	2018 Ford Explorer	Light-duty	Passenger car
792	1FM5K8D83JGB58187	2018 Ford Explorer	Light-duty	Passenger car
793	1FM5K8D85JGB58188	2018 Ford Explorer	Light-duty	Passenger car
794	1FDBF3E6XHEE48990	2017 Ford F350 / Utility Body	Class 2B (8,501-10,000lbs)	Service or utility truck
795	1FD7X3E63HEE58053	2017 Ford F350 / Utility Body	Class 2B (8,501-10,000lbs)	Service or utility truck
796	1FTMF1CB9JKE50027	2018 Ford F150 Reg. Cab	Light-duty	Pickup truck
797	1FTFX1E54JKE50028	2018 Ford F150 Xtra Cab 4x4	Light-duty	Pickup truck
798	1FTFX1E56JKE50029	2018 Ford F150 Xtra Cab 4x4	Light-duty	Pickup truck
799	1FTFX1E52JKE50030	2018 Ford F150 Xtra Cab 4x4	Light-duty	Pickup truck
800	1FD0X4GY0HEE48991	2017 Ford F450 Valve Truck	Class 5 (16,001 - 19,500lbs)	Service or utility truck
804	3FA6POSU3KR174160	2019 Ford Fusion	Light-duty	Passenger car
805	1FDNF6DE4KDF07018	2019 Ford F650 Dump Truck	Class 6 (19,501 - 26,000lbs)	Dump truck (FAW < 12,500 lbs)
806	1FDWF7DE2KDF03883	2019 Ford F750 Water Truck	Class 6 (19,501 - 26,000lbs)	Water truck (FAW < 12,500 lbs)
807	1FT7X2A63KEF53854	2019 Ford F250 Xtra Cab	Class 2B (8,501-10,000lbs)	Pickup truck
808	1FTER1EH5KLA60387	2019 Ford Ranger Pickup	Light-duty	Pickup truck
809	1FTER1EH7KLA60388	2019 Ford Ranger Pickup	Light-duty	Pickup truck
810	1FTER1EH9KLA60389	2019 Ford Ranger Pickup	Light-duty	Pickup truck
811	1FTER1EH5KLA60390	2019 Ford Ranger Pickup	Light-duty	Pickup truck
812	1FTER1EH9KLA60392	2019 Ford Ranger Pickup	Light-duty	Pickup truck
813	1FMSK8DH4LGA18140	2020 Ford Explorer XLT	Light-duty	Passenger car
814	1FMSK8DH6LGA18141	2020 Ford Explorer XLT	Light-duty	Passenger car
815	3FA6P0SUXKR268892	2019 Ford Fusion Energi	Light-duty	Passenger car
816	1FTFX1E55KKE18285	2019 Ford F150 Pickup	Light-duty	Pickup truck
817	1FTFX1E57KKE18286	2019 Ford F150 Pickup	Light-duty	Pickup truck
818	1FTFX1E52KKE18289	2019 Ford F150 Pickup	Light-duty	Pickup truck
819	1FTFX1E59KKE18290	2019 Ford F150 Pickup	Light-duty	Pickup truck
820	1FTFX1E50KKE18291	2019 Ford F150 Pickup	Light-duty	Pickup truck
821	1FTFX1E59KKE18287	2019 Ford F150 Pickup	Light-duty	Pickup truck
822	1FTFX1E50KKE18288	2019 Ford F150 Pickup	Light-duty	Pickup truck
823	1FMSK8DH8LGA18142	2020 Ford Explorer XLT	Light-duty	Passenger car
824	1FMSK8DH6LGB06509	2020 Ford Explorer XLT	Light-duty	Passenger car
825	1FMSK8DH8LGA54851	2020 Ford Explorer XLT	Light-duty	Passenger car
826	1FMSK8DH4LGB64599	2020 Ford Explorer XLT	Light-duty	Passenger car
827	3FA6P0SU7LR261061	2020 Ford Fusion	Light-duty	Passenger car
828	1FMSK8DH0LGA54228	2020 Ford Explorer XLT	Light-duty	Passenger car
829	1FTFX1E59LKD41096	2020 Ford F150 x-cab	Light-duty	Pickup truck
830	1FTFX1E50LKD41097	2020 Ford F150 x-cab	Light-duty	Pickup truck
831	1FTFX1E52LKD41098	2020 Ford F150 x-cab	Light-duty	Pickup truck

Vehicle ID	VIN	Vehicle Make/Model	Vehicle Weight Class	ACF Vehicle Type
832	1FMSK8DH5MG24257	2021 Ford Explorer XLT	Light-duty	Passenger car
833	3FA6POSU7LR113850	2020 Ford Fusion	Light-duty	Passenger car
835		21 FORD EXPLORER 5940	Light-duty	Passenger car
835	1FMSK8DH8MGB61500	2021 Ford Explorer XLT	Light-duty	Passenger car
836	1FMSK8DH5MGB61499	2021 Ford Explorer XLT	Light-duty	Passenger car
837	1FMSK8DH3MGB61498	2021 Ford Explorer XLT	Light-duty	Passenger car
840	1FTER1EH6MLD57736	2021 Ford Ranger	Light-duty	Pickup truck
841	1FTER1EH9MLD57696	2021 Ford Ranger	Light-duty	Pickup truck
842	1FTER1EH8MLD57706	2021 Ford Ranger	Light-duty	Pickup truck
843	1FTER1EH5MLD57694	2021 Ford Ranger	Light-duty	Pickup truck
845	1FTFX1E57MKE12524	2021 Ford F150	Light-duty	Pickup truck
846	1FTFX1E55MKE12523	2021 Ford F150	Light-duty	Pickup truck
848	1FTER1EH3MLD57676	2021 Ford Ranger	Light-duty	Pickup truck
849	1FTER1EH8MLD57737	2021 Ford Ranger	Light-duty	Pickup truck
850	1FTER1EH8MLD57771	2021 Ford Ranger	Light-duty	Pickup truck
851	1FTER1EH1MLD57661	2021 Ford Ranger	Light-duty	Pickup truck
852	1FTER1EHXMLD57660	2021 Ford Ranger	Light-duty	Pickup truck
853	1FDNF6DC2MDF07388	2021 Ford F650 Dump Truck	Class 6 (19,501 - 26,000lbs)	Dump truck (FAW < 12,500 lbs)
854	1FDRF3A60NEC15488	2022 Ford F350 Chassis	Class 3 (10,001 - 14,000lbs)	Pickup truck
856	1FDUF5GT4NEC72344	2022 Ford F550	Class 5 (16,001 - 19,500lbs)	Work truck
857	1FDUF5GT0MEC61758	2021 Ford F550	Class 5 (16,001 - 19,500lbs)	Work truck
858	KM8S6DA27NU046810	2022 Hyundai Santa Fe Plug In Hybrid	Light-duty	Passenger car
859	KM8S6DA27NU046922	2022 Hyundai Santa Fe Plug In Hybrid	Light-duty	Passenger car
860	1FDUF4GN0NEC15442	2021 Ford F450	Class 5 (16,001 - 19,500lbs)	Work truck
861	1FTFX1E59NKE21386	2022 Ford F150	Light-duty	Pickup truck
862	1FTFX1E57NKE24223	2022 Ford F150	Light-duty	Pickup truck
863	1FDPF7AN7NDF05688	2021 Ford F750	Class 7 (26,001 - 33,000lbs)	Work truck
866	1FD0X4GN8NED43598	2022 Ford F450	Class 5 (16,001 - 19,500lbs)	Work truck
867	1FDRF3GN9NED43596	2022 Ford F350 Chassis	Class 3 (10,001 - 14,000lbs)	Pickup truck
868	1FMSK8DH3NGC46861	2022 Ford Explorer	Light-duty	Passenger car
869	1FMSK8DH9NGC45634	2022 Ford Explorer	Light-duty	Passenger car
870	1FM5K8FW3NNA10618	2022 Ford Explorer Hybrid	Light-duty	Passenger car
871	1FMSK8DH9NGC31541	2022 Ford Explorer	Light-duty	Passenger car
872	1FTER1EH7NLD53132	2022 Ford Ranger	Light-duty	Pickup truck
873	1FTER1EH1NLD52428	2022 Ford Ranger	Light-duty	Pickup truck
876	1FM5K8FW1PNA00429	2023 Ford Explorer Hybrid	Light-duty	Passenger car
877	1FDUF5GN8NEC35718	2022 Ford F550	Class 5 (16,001 - 19,500lbs)	Work truck
879	1FDUF5HT3NDA26955	2022 Ford F550	Class 5 (16,001 - 19,500lbs)	Work truck
880	KM8S7DA21PU067619	2023 Hyundai Santa Fe Plug In Hybrid	Light-duty	Passenger car
881	1FD0X5HTXPED28252	2023 Ford F550	Light-duty	Pickup truck
882	1FTEX1CP7PKE75384	2023 Ford F150	Light-duty	Pickup truck
883	1FTEX1CPXPKD48046	2023 Ford F150	Light-duty	Pickup truck
884	7FTFX1E54PKF33872	2023 Ford F150	Light-duty	Pickup truck
885	1FTFX1E59PKF46388	2023 Ford F150	Light-duty	Pickup truck
886	1FTFX1E52PKF45602	2023 Ford F150	Light-duty	Pickup truck
887	1FTFX1E58PKF28805	2023 Ford F150	Light-duty	Pickup truck
888	1FTFX1E56PKF50141	2023 Ford F150	Light-duty	Pickup truck
889	1FTFX1E53PKF49299	2023 Ford F150	Light-duty	Pickup truck
890	1FTFX1E54PKF33564	2023 Ford F150	Light-duty	Pickup truck
891	1FTFX1E55PKF33749	2023 Ford F150	Light-duty	Pickup truck
892	7PDSGABA9RN037993	2024 Rivian R1S	Class 2B (8,501-10,000lbs)	SUV
893	1FD0X4HT4REC18231	2024 Ford F450	Class 5 (16,001 - 19,500lbs)	Work truck
894	7PDSGABA4RN036833	2024 Rivian R1S	Class 2B (8,501-10,000lbs)	SUV
895	7PDSGABA9RN036522	2024 Rivian R1S	Class 2B (8,501-10,000lbs)	SUV
896	7PDSGABA8RN036866	2024 Rivian R1S	Class 2B (8,501-10,000lbs)	SUV
897	7SAYGDEE8RA233813	2024 Tesla Y	Light-duty	Passenger car
898	1C4RJYD66RC713370	2024 Jeep Grand Cherokee Plug in Hybrid	Light-duty	Passenger car
899	KM8S6DA23PU096753	2023 Hyundai Santa Fe Plug In Hybrid	Light-duty	Passenger car

Attachment 8 (continued): MTN-007 Attachment E

Revised Attachment U to SG-6 Updated as part of MTN-007

San Gabriel Valley Water Company
Passenger Vehicle Replacement Schedule - 2025 thru 2028

New Vehicles Assigned To:	Unit #	Year	Mileage	Replaced	Received in
Chairman of the Board	895	2024	3,614	Every other year	2023
President	898	2024	18,217	Every other year	2024
Senior Vice President	896	2024	4,551	Every other year	2024
Vice President Human Resources	899	2024	3,609	Every other year	2024
Vice President - Engineering	892	2024	3,324	Every other year	2024
Vice President - General Council	894	2024	5,347	Every other year	2024
Vice President - Regulatory Affairs	901	2024	3,760	Every other year	2024
Vice President - Water Resources	897	2024	7,030	Every other year	2024
Vice President - Operations	900	2024	7,677	Every other year	2024
Senior Executive Advisor	788	2017	39,343	Every other year	2020

Vehicles Handed Down To:

27 current positions receiving the annual pass down vehicles per year from above.

					Replace in:
Director - Operations	870	2022	15,516	*Based on mileage	
Operations Manager - FWC	871	2022	52,220	*Based on mileage	2028
Director - Water Resources	868	2022	29,816	*Based on mileage	
Water Production Superintendent - FWC	814	2019	88,979	*Based on mileage	2027
Water Distribution Superintendent - FWC	859	2022	27,743	*Based on mileage	
Water Treatment Superintendent - FWC	760	2016	109,095	*Based on mileage	2026
Field Service Superintendent - FWC	826	2020	51,406	*Based on mileage	2028
Water Quality Superintendent - FWC	825	2020	47,975	*Based on mileage	2028
Project Manager - Operations	835	2021	43,606	*Based on mileage	
Office Pool - FWC	741	2015	110,435	*Based on mileage	2025
Office Pool - FWC	776	2016	2,115	*Based on mileage	
Engineering Pool - General	718	2014	118,978	*Based on mileage	2025
Director - Engineering - General	876	2023	16,649	*Based on mileage	
Procurement Manager - General	869	2022	15,535	*Based on mileage	
Director - Customer Service - General	858	2022	16,259	*Based on mileage	
Operations Manager - LAC	837	2020	70,880	*Based on mileage	2027
Safety Manager - General	836	2021	31,781	*Based on mileage	2028
Engineering Design Manager - General	833	2020	43,831	*Based on mileage	2028
Director of Communications - General	824	2020	73,017	*Based on mileage	2027
Water Resources Project Manager - LAC	832	2021	93,948	*Based on mileage	2026
Manager of Properties / Projects - General	815	2019	67,970	*Based on mileage	2028
Field Service Superintendent - LAC	804	2019	75,668	*Based on mileage	2027
Water Treatment Superintendent - LAC	792	2018	67,497	*Based on mileage	2028
Water Production Superintendent - LAC	791	2018	103,654	*Based on mileage	2026
Water Quality Superintendent - LAC	783	2017	84,066	*Based on mileage	2027
Water Distribution Superintendent - LAC	774	2017	100,189	*Based on mileage	2026
Engineerin Project Manager - LAC	761	2016	118,095	*Based on mileage	2025
Pool Cars					
Office Pool - LAC	775	2016	94,278	*Based on mileage	2026
Office Pool - LAC	727	2014	34,751	*Based on mileage	2028
Office Pool - LAC	660	2010	110,259	*Based on mileage	2025
Office Pool - LAC	780	2017	143,832	*Based on mileage	2025

California State Vehicle Retirement Policy (DSG) for passenger vehicles was 120,000 (passenger/light duty) and 150,000 (medium and heavy duty). In attempt to meet DSG targets, vehilce retirements will be reduced by 5,000 miles annually. Starting in 2029 passenger vehicles will be in full compliance with DSG retirement schedules.

3/20/2025

San Gabriel Valley Water Company
2025 Vehicle Replacement Schedule

Vehicle	Location	Unit #	Year	Mileage	Replace in	Replace With:	Notes:	Cost Per Vehicle
F250	FWC	703	2012	129,608	2025	F-150 X-Cab 4X4	Expected to exceed 145,000 miles by 2025	$60,000
F250	FWC	737	2015	124,763	2025	F-150 X-Cab 4X4	Expected to exceed 145,000 miles by 2025	$60,000
F150	FWC	711	2013	112,046	2025	Ford Lighting Extended range (depending on availability)	Expected to exceed 115,000 miles by 2025	$75,000
F150	FWC	712	2013	102,349	2025	Ford Lighting Extended range (depending on availability)	Expected to exceed 115,000 miles by 2025	$75,000
F150	FWC	714	2013	108,853	2025	Ford Lighting Extended range (depending on availability)	Expected to exceed 115,000 miles by 2025	$75,000
F150	FWC	730	2014	109,203	2025	Ford Lighting Extended range (depending on availability)	Expected to exceed 115,000 miles by 2025	$75,000
F150	FWC	755	2015	113,348	2025	Ford Lighting Extended range (depending on availability)	Expected to exceed 115,000 miles by 2025	$75,000
F-450	FWC	740	2015	286,976	2025	F-450 (1Ton) Utility Bed	Exceeds 150,000 by 2025 Quote from wachs for 79-000-01 ERV -750 Extended Reach Valve Exerciser-Low Stack Version 79-419-00 Wireless Controller Adapter 11-408-00 Teescopic for Total of $100,875.00 Cab and Chassis Ford F-450 for $76,337.05, Truck Body quoted at $114,998.67	$295,000
							FWC Estimated 2025 Total:	**$790,000**
Passenger Veh.	LAC	660	2010	110,259	2025	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 115,000 miles by 2025	$85,000
Passenger Veh.	General	718	2014	118,978	2025	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 115,000 miles by 2025	$85,000
Passenger Veh.	FWC	741	2015	110,435	2025	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 115,000 miles by 2025	$85,000
Passenger Veh.	LAC	761	2016	118,095	2025	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 115,000 miles by 2025	$85,000
Passenger Veh.	LAC	780	2017	143,832	2025	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 115,000 miles by 2025	$85,000
							General Estimated 2025 Total:	**$425,000**
Ford Ranger X-Cab	LAC	633	2008	126,300	2025	Ford Lighting Extended range (depending on availability)	Expected to exceed 115,000 miles by 2025	$75,000
Ford Ranger X-Cab	LAC	667	2008	122,647	2025	Ford Lighting Extended range (depending on availability)	Expected to exceed 115,000 miles by 2025	$75,000
F150 X-Cab	LAC	733	2014	111,826	2025	F150 X-Cab	Expected to exceed 115,000 miles by 2025	$60,000
F150 X-Cab	LAC	743	2015	116,739	2025	F150 X-Cab	Expected to exceed 115,000 miles by 2025	$60,000
F150 X-Cab	LAC	786	2016	128,786	2025	F150 X-Cab	Expected to exceed 115,000 miles by 2025	$60,000
GMC C5500	LAC	656	2010	153,565	2025	F550 X-Cab 4x4 (2 Ton) with Utility Bed	Expected to exceed 145,000 Miles by 2025. Bed quote provided by CTEC	$335,000
F450 Reg-Cab	LAC	676	2011	450,788	2025	F450 X-Cab 4x4 (1.5 Ton) with Utility Bed	Expected to exceed 145,000 Miles by 2025. Bed quote provided by CTEC	$275,000
F450 Reg-Cab	LAC	778	2017	253,484	2025	F450 X-Cab 4x4 (1.5 Ton) with Utility Bed	Expected to exceed 145,000 Miles by 2025. Bed quote provided by CTEC	$275,000
							LAC Estimated 2025 Total:	**$1,215,000**
							2025 Estimated Total:	**$2,430,000**

Passenger and light duty vehicles are replaced at 115,000 miles
Medium duty and heavy duty vehicles are replaced at 145,000 miles
Average annual mileage factored at 12,500
Mileage as of June 30,2024
If utility bed is required F250 is the smallest vehicle
Cost per vehicle does not include light bar, tool box, or radio costs, that is separate budget
Cost Per Vehicle (Ford Ranger, Fusion, F150, F250, and F450) based on 2024 estimates. A 5% escalation rate was applied for each year
Replacement F150's for Engineering and Foreman are 4x4

San Gabriel Valley Water Company
2026 Vehicle Replacement Schedule

Vehicle	Location	Unit #	Year	Mileage	Replace in	Replace With:	Notes:	Cost Per Vehicle
F250	FWC	681	2011	112,248	2026	F-150 X-Cab 4X4	Expected to exceed 140,000 miles by 2026	$63,000
F250	FWC	684	2011	109,968	2026	F-150 X-Cab 4X4	Expected to exceed 140,000 miles by 2026	$63,000
F150	FWC	816	2019	88,652	2026	F-150 X-Cab 4X4	Expected to exceed 110,000 miles by 2026	$63,000
F150	FWC	763	2016	89,528	2026	Ford Lighting Extended range (depending on availability)	Expected to exceed 110,000 miles by 2026	$79,000
F150	FWC	N/A	N/A	N/A	2026	F-150 X-Cab 4X4	If SCADA Tech. is approved, This position will need a vehicle	$63,000
F150	FWC	N/A	N/A	N/A	2026	F-150 X-Cab 4X4	If Electrician is approved, this position will need a vehicle	$63,000
F-450	FWC	800	2017	212,759	2026	F-450 (1Ton) Utility Bed	Expected to exceed 140,000 by 2026 Quote from wachs for 79-000-01 ERV -750 Extended Reach Valve Exerciser-Low Stack Version 79-419-00 Wireless Controller Adapter 11-408-00 Teescopic for Total of $100,875.00 Cab and Chassis Ford F-450 for $76,337.05, Truck Body quoted at $114,998.67	$300,000
F-450	FWC	757	2016	263,023	2026	F-450 (1Ton) Utility Bed	Expected to exceed 140,000 by 2026 Quote from wachs for 79-000-01 ERV -750 Extended Reach Valve Exerciser-Low Stack Version 79-419-00 Wireless Controller Adapter 11-408-00 Teescopic for Total of $100,875.00 Cab and Chassis Ford F-450 for $76,337.05, Truck Body quoted at $114,998.67	$300,000
							FWC Estimated 2026 Total:	**$994,000**
Passenger Veh.	FWC	760	2016	109,095	2026	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 110,000 miles by 2026	$89,000
Passenger Veh.	LAC	832	2021	93,948	2026	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 110,000 miles by 2026	$89,000
Passenger Veh	LAC	791	2018	103,654	2026	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 110,000 miles by 2026	$89,000
Passenger Veh.	LAC	774	2017	100,189	2026	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 110,000 miles by 2026	$89,000
Passenger Veh.	LAC	775	2016	94,278	2026	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 110,000 miles by 2026	$89,000
							General Estimated 2026 Total:	**$445,000**
F150	LAC	N/A	N/A	N/A	2026	F-150 X-Cab 4X4	If SCADA Tech. is approved, This position will need a vehicle	$63,000
F150	LAC	N/A	N/A	N/A	2026	F-150 X-Cab 4X4	If Electrician is approved, this position will need a vehicle	$63,000
F150	LAC	734	2014	99,026	2026	Ford Lighting Extended range (depending on availability)	Expected to exceed 110,000 miles by 2026	$79,000
F150	LAC	696	2012	101,640	2026	F-150 X-Cab 4X4	Expected to exceed 110,000 miles by 2026	$63,000
F150	LAC	784	2016	104,659	2026	F-150 X-Cab 4X4	Expected to exceed 110,000 miles by 2026	$63,000
F150	LAC	611	2012	103,465	2026	F-150 X-Cab 4X4	Expected to exceed 110,000 miles by 2026	$63,000
F550 Reg-Cab	LAC	790	2017	236,683	2026	F550 X-Cab 4x4 (2 Ton) with Utility Bed	Expected to exceeded 140,000 Miles by 2026. Bed quote provided by CTEC	$340,000
F550 Reg-Cab	LAC	677	2011	141,475	2026	F550 X-Cab 4x4 (2 Ton) with Utility Bed	Expected to exceeded 140,000 Miles by 2026. Bed quote provided by CTEC	$340,000
							LAC Estimated 2026 Total:	**$1,074,000**
							2026 Estimated Total:	**$2,513,000**

Passenger and light duty vehicles are replaced at 110,000 miles
Medium duty and heavy duty vehicles are replaced at 140,000 miles
Average annual mileage factored at 12,500
Mileage as of June 30, 2024
Cost per vehicle does not include light bar, tool box, or radio costs, that is separate budget
Cost Per Vehicle (lightning, Rivian) based on 2024 estimates. A 5% escalation rate was applied for each year
Replacement F150's for Engineering and Foreman are 4x4

San Gabriel Valley Water Company
2027 Vehicle Replacement Schedule

Vehicle	Location	Unit #	Year	Mileage	Replace in	Replace With:	Notes:	Cost Per Vehicle
F250	FWC	639	2008	100,096	2027	F-150 X-Cab 4X4	Expected to exceed 135,000 miles by 2027	$66,000
F250	FWC	704	2012	91,653	2027	F-350 Utility Bed	Expected to exceed 135,000 miles by 2027	$135,000
F150	FWC	767	2016	69,665	2027	Ford Lighting Extended range (depending on availability)	Expected to exceed 105,000 miles by 2027	$83,000
F150	FWC	769	2016	75,467	2027	Ford Lighting Extended range (depending on availability)	Expected to exceed 105,000 miles by 2027	$83,000
F-150	FWC	770	2016	76,012	2027	Ford Lighting Extended range (depending on availability)	Expected to exceed 105,000 miles by 2027	$83,000
F150	FWC	799	2018	74,020	2027	Ford Lighting Extended range (depending on availability)	Expected to exceed 105,000 miles by 2027	$83,000
F150	FWC	713	2013	84,371	2027	Ford Lighting Extended range (depending on availability)	Expected to exceed 105,000 miles by 2027	$83,000
F150	FWC	746	2015	84,980	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F150	FWC	785	2016	81,844	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
							FWC Estimated 2025 Total:	**$682,000**
Passenger Veh	FWC	814	2019	88,979	2027	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 105,000 miles by 2027	$93,000
Passenger Veh	LAC	837	2020	70,880	2027	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 105,000 miles by 2027	$93,000
Passenger Veh	General	824	2020	73,017	2027	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 105,000 miles by 2027	$93,000
Passenger Veh.	LAC	804	2019	75,668	2027	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 105,000 miles by 2027	$93,000
Passenger Veh	LAC	783	2017	84,066	2027	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 105,000 miles by 2027	$93,000
							General Estimated 2027 Total:	**$465,000**
F150	LAC	731	2014	85,588	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F150	LAC	787	2016	85,780	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F150	LAC	797	2018	80,344	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F150	LAC	819	2019	83,054	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F150	LAC	821	2019	82,102	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F150	LAC	822	2019	80,005	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F150	LAC	796	2018	71,705	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F350 Reg-Cab w/utility bed	LAC	501	2000	90,579	2027	F-150 X-Cab 4X4	Expected to exceed 105,000 miles by 2027	$66,000
F350 Reg-Cab	LAC	675	2011	93,601	2027	F350 X-Cab 4x4 (1 Ton) with Utility Bed	Expected to exceed 135,000 Miles by 2027. Bed quote to be provided by a builder CTEC	$140,000
F450 Reg-Cab	LAC	689	2012	100,854	2027	F450 X-Cab 4x4 with Utility bed	Expected to exceed 135,000 miles by 2027. Bed quote provided by CTEC 69,097.50	$160,000
GMC TC6CO42	LAC	652	2009	43,027	2027	F650 with Dump Bed	Early replacement pursuant to attached Memo. Bed quote provided by CTEC $49,418.60	$140,000
							LAC Estimated 2027 Total:	**$968,000**
							2027 Estimated Total:	**$2,115,000**

Passenger and light duty vehicles are replaced at 105,000 miles
Medium duty and heavy duty vehicles are replaced at 135,000 miles
Average annual mileage factored at 12,500
Mileage as of June 30, 2024
Cost per vehicle does not include light bar, tool box, or radio costs, that is separate budget
Cost Per Vehicle (Ford Ranger, Fusion, and F150) based on 2024 estimates. A 5% escalation rate was applied.
Replacement F150's for Engineering and Foreman are 4x4

San Gabriel Valley Water Company
2028 Vehicle Replacement Schedule

Vehicle	Location	Unit #	Year	Mileage	Replace in	Replace With:	Notes:	Cost Per Vehicle
F150	FWC	638	2008	70,401	2028	Ford Lighting Extended range (depending on availability)	Expected to exceed 100,000 miles by 2028	$87,000
GMC C5500	FWC	644	2009	53,479	2028	F-550 (2 Ton) Crew Truck	Expected to exceed 130,000 by 2028. F550 (2Ton) with utility Bed. Based on estimate provided by Ken Grody Ford 6/19/2024. F550 Reg. cab. Diesel DRW $79,200. Utility bed based off of Ctec Quote Provided 5/10/2024 $173,435 estimated cost PTO and welder $30,000	$310,000
GMC C5500	FWC	653	2009	72,665	2028	F-450 Landscape Dump Truck (FM)	Early replacement persuant to attached Memo	$120,000
F350	FWC	654	2010	78,393	2028	F350 utility Body	Expected to exceed 130,000 miles by 2028	$115,000
GMC C5500	FWC	642	2009	53,479	2028	F-650 XL Dump Truck (Distro)	Early replacement persuant to attached Memo	$150,000
F150	FWC	818	2019	66,101	2028	F-150 X-Cab 4X4	Expected to exceed 100,000 miles by 2028	$69,000
F150	FWC	830	2020	63,834	2028	F-150 X-Cab 4X4	Expected to exceed 100,000 miles by 2028	$69,000
F150	FWC	745	2015	58,389	2028	F-150 X-Cab 4X4	Expected to exceed 100,000 miles by 2028	$69,000
F250	FWC	736	2015	82,054	2028	F-150 X-Cab 4X4	Expected to exceed 130,000 miles by 2028	$69,000
							FWC Estimated 2028 Total:	**$1,058,000**
Passenger Veh	FWC	871	2022	53,220	2028	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 100,000 miles by 2028	$98,000
Passenger Veh	FWC	826	2020	51,406	2028	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 100,000 miles by 2028	$98,000
Passenger Veh	FWC	825	2020	47,975	2028	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 100,000 miles by 2028	$98,000
Passenger Veh	General	815	2019	67,970	2028	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 100,000 miles by 2028	$98,000
Passenger Veh	LAC	792	2018	67,497	2028	SUV or Tuck(fuel,hybrid and electric options)	Expected to exceed 100,000 miles by 2028	$98,000
							General Estimated 2025 Total:	**$490,000**
F450 Reg-Cab	LAC	724	2014	80,220	2028	F450 X-Cab 4x4 (1.5 Ton) with Utility Bed	Exceeded 130,000 Miles by 2028. Bed quote to be provided by a builder TBD	$165,000
F150	LAC	820	2019	70,512	2028	Ford Lighting Extended range (depending on availability)	Expected to exceed 100,000 miles by 2028	$87,000
F150	LAC	796	2018	71,705	2028	F-150 X-Cab 4X4	Expected to exceed 100,000 miles by 2028	$69,000
F150	LAC	817	2019	41,800	2028	Ford Lighting Extended range (depending on availability)	Expected to exceed 100,000 miles by 2028	$87,000
F150	LAC	831	2020	54,022	2028	F-150 X-Cab 4X4	Expected to exceed 100,000 miles by 2028	$69,000
GMC C5500	LAC	664	2009	42,283	2028	F650 Dump Bed	Expected to exceed 100,000 miles by 2028	$147,000
F150 X-Cab	LAC	765	2016	50,851	2028	F-150 X-Cab 4X4	Expected to exceed 100,000 miles by 2028	$69,000
Ranger	LAC	812	2019	47,886	2028	F-150 X-Cab 4X4	Expected to exceed 100,000 miles by 2028	$69,000
							LAC Estimated 2028 Total:	**$762,000**
							2023 Estimated Total:	**$2,310,000**

San Gabriel Valley Water Company
2025 - 2028 Summary Vehicle Budget

2025	General	$425,000.00
2025	FWC	$790,000.00
2025	LAC	$1,215,000.00
		$2,430,000.00
2026	General	$445,000.00
2026	FWC	$994,000.00
2026	LAC	$1,074,000.00
		$2,513,000.00
2027	General	$465,000.00
2027	FWC	$682,000.00
2027	LAC	$968,000.00
		$2,115,000.00
2028	General	$490,000.00
2028	FWC	$1,058,000.00
2028	LAC	$762,000.00
		$2,310,000.00

ATTACHMENT 9: SGVWC's Response to Cal Advocates' Data Request MTN-011, with Attachment Facility Paving

SAN GABRIEL VALLEY WATER COMPANY

March 31, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-011 (Structures and Improvements)**

Dear Mr. Aslam:

In response to your data request dated March 24, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Referring to Exhibit SG-13, Capital Budgets 2025-2028, Attachment B (Los Angeles Division), SGVWC forecasts the following: Solar Power Generating System Design and Construction ($3.5 million), Pavement Replacement – Various Sites ($2 million), Electrical Charging Stations ($0.617 million).

a. Please provide the budget detail for these items, including unit costs, and supporting documentation regarding how the scope and costs were determined.

RESPONSE NO. 1:

a. Referencing Exhibit SG-13, Capital Budgets 2025-2028, Attachment B (Los Angeles Division) for San Gabriel's forecasts for the following: Solar Power Generating System Design and Construction ($3.5 million) please see \MTN-011 Attachment Solar Power.pdf\, Pavement Replacement – Various Sites ($2 million) please see \MTN-011 Attachment Facility Paving.xlsx\ and \MTN-011 Attachment Paving bid.pdf\, and Electrical Charging Stations ($0.617 million) see \MTN-011 Attachment Electrical Charging Stations.pdf\.

RESPONDING WITNESSES: Yucelen, Swift

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Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 9 (continued): MTN-011 Attachment Facility Paving

MTN-011 Response No. 1 Part 2

Year	Facility	Square Footage		Total Cost	Reasoning for Work
2025	M4	11,116	$	111,160.00	Excessive Cracking / Exceeded Lifespan
	B18	8,332	$	83,320.00	Excessive Cracking / Exceeded Lifespan
	W1	16,424	$	164,240.00	Excessive Cracking / Exceeded Lifespan
	No. 2	12,881	$	128,810.00	Excessive Cracking / Exceeded Lifespan
			$	**487,530.00**	
2026	B1	6,360	$	63,600.00	Excessive Cracking / Exceeded Lifespan
	M8	24,444	$	244,440.00	Excessive Cracking / Exceeded Lifespan
	B25	22,500	$	225,000.00	Site Improvement
			$	**533,040.00**	
2027	B7	6,540	$	65,400.00	Excessive Cracking / Exceeded Lifespan
	M2	30,036	$	300,360.00	Excessive Cracking / Exceeded Lifespan
	B17	5,257	$	52,570.00	Excessive Cracking / Exceeded Lifespan
	B5	3,506	$	35,060.00	Site Improvement
	No. 12	4,104	$	41,040.00	Excessive Cracking / Exceeded Lifespan
			$	**494,430.00**	
2028	B9	7,450	$	74,500.00	Excessive Cracking / Exceeded Lifespan
	B26	10,600	$	106,000.00	Dust and Erosion Control
	B25	22,500	$	225,000.00	Dust and Erosion Control
	G3	6,600	$	66,000.00	Site Improvement
	M11	1,672	$	16,720.00	Excessive Cracking / Exceeded Lifespan
			$	**488,220.00**	
		Total	**$**	**2,003,220.00**	

ATTACHMENT 10: SGVWC's Response to Cal Advocates' Data Request MTN-008, with Attachment A

SAN GABRIEL VALLEY WATER COMPANY

March 26, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-008 (Short-term Financing Costs)**

Dear Mr. Aslam:

In response to your data request dated March 19, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-008 Attachment A, and provide the following regarding for each capital project completed in the last five years (2020-2024):

a. General Office, Los Angeles Division, or Fontana Division
b. Capital Project Name
c. Capital Project Number
d. Plant Account Number
e. Plant Site (or Other Location if Not at Plant Site)
f. Construction Start Date
g. Date of First Draw of Funds from the Short-term Financing
h. Construction End Date
i. Date Added to Plant
j. Total Recorded Plant for the Project (i.e., Total Implementation Costs) ($)
k. Total Project-specific Short-term Financing Costs (Excluding Principal/ Recorded Plant) ($)

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l. Total Project-specific Short-term Financing Costs, Interest ($)

m. Total Project-specific Short-term Financing Costs, Fees ($)

n. Total Project-specific Short-term Financing Costs, Other ($)

o. Project-specific Short-term Financing, Interest Rate (%, or Indicate NA if No Short-term Financing Utilized for the Project)

p. Date Short-term Financing Fully Paid Off (Indicate NA if no Short-term Financing Utilized for the Project)

RESPONSE NO. 1
Please see \MTN-008 ATTACHMENT A.xlsx\. The Company finances its capital projects using internally generated funds, and when internally generated funds are insufficient the Company relies upon short- and long-term debt. Typically, the Company incurs short-term debt as a prelude to issuing long-term debt. During the years 2020 – 2024, the Company had two long-term bond issuances, each for $50 million: one bond issuance in 2021 and another in 2024. These bonds were used to refinance a maturing long-term bond and for the reimbursement of the Company's treasury for monies expended for the expansion and betterment of utility plant.

During the period 2020 – 2024, the Company utilized short-term debt for the period January 2024 to August 2024. Other than capital projects financed by either Advances or Contributions in Aid of Construction, no capital project was financed with project-specific financing. Although Company practices do not match the format of Request No. 1, the Company has provided a response that allocates the amount of short-term debt and interest expense to a range of capital projects in 2024.

RESPONDING WITNESSES: Harris

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 10 (continued): MTN-008 Attachment A

A2501000 Cal Advocates Data Request (DR) MTN-008 Attachment A

Project Completed Year	General Office, Los Angeles Division, or Fontana Division	Capital Project Name	Capital Project Number	Plant Account Number	Plant Site (or Other Location if Not at Plant Site)	Construction Start Date	Date of First Draw of Funds from the Short-term Financing	Construction End Date	Date Added to Plant	Total Recorded Plant for the Project (i.e., Total Implementation Costs) ($)	Total Project-specific Short-term Financing Costs (Excluding Principal Recorded Plant) ($)	Total Project-specific Short-term Financing Costs, Interest ($)	Total Project-specific Short-term Financing Costs, Fees ($)	Total Project-specific Short-term Financing Costs, Other ($)	Project-specific Short-term Financing, Interest Rate, or Indicate NA if No Short-term	Was Short-term Financing Fully Paid Off (Indicate
2020	FONTANA	NEW SERVICE INSTALLATIONS - 2020	2020F-40	10010-54500		01/02/2020		12/31/2020	12/31/2020	58,829.45	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL ELECTRICAL	5312F-13	10010-52400	PLANT F15	08/19/2015		12/1/2020	12/31/2020	907,881.86	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	CONSTRUCT 4.27MG RESERVOIR (EAST)	5312F-18	10010-54200	PLANT F15	09/18/2014		4/6/2020	04/30/2020	4,264,159.27	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL RESERVOIR PIPING (EAST)	5312F-19	10010-54200	PLANT F15	09/19/2014		12/31/2020	12/31/2020	749,371.05	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL WEST RESERVOIR DRAINAGE PIPING	5312F-21	10010-54200	PLANT F15	04/14/2015		12/31/2020	12/31/2020	24,700.43	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL EAST RESERVOIR DRAINAGE PIPING	5312F-22	10010-54200	PLANT F15	04/14/2015		12/31/2020	12/31/2020	176,382.31	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	5312F-23	10010-54800	PLANT F15	04/14/2015		12/18/2020	12/31/2020	12,182.93	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 148' OF 25-3/8" GWBR ON CITRUS AVE	5312F-24	10010-54500	PLANT F15	04/14/2015		12/31/2020	12/31/2020	310,434.84	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 24" MAINLINE METER AND VAULT	5312F-25	10010-54500	PLANT F15	04/14/2015		12/18/2020	12/31/2020	51,818.25	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	FENCE AND WALL	5312F-28	10030-52100	PLANT F15	01/09/2020		12/4/2020	12/31/2020	357,623.33	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	SITE GRADING (PHASE II)	5312F-29	10010-52100	PLANT F15	01/09/2020		12/4/2020	12/31/2020	148,232.78	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL RESERVOIR PIPING (WEST)	5312F-3	10010-54200	PLANT F15	03/31/2008		12/31/2020	12/31/2020	149,765.18	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	CONSTRUCT BOOSTER BUILDING	5312F-8	10010-52100	PLANT F15	08/19/2008		12/1/2020	12/31/2020	1,370,367.18	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL PLANT F15 TELEMETRY	5312F-9	10010-52400	PLANT F15	08/19/2008		12/1/2020	12/31/2020	62,260.33	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	ADDITIONAL ELECTRICAL WORK	5554F-18	10010-52400	PLANT F54	11/04/2014		3/27/2020	04/30/2020	3,888.33	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL PIPING - WELL F54A	5554F-5	10010-52400	PLANT F54	01/30/2011		3/27/2020	04/30/2020	17,306.45	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL RTU AND CONNECT TO SCADA SYSTEM	5554F-7	10010-52400	PLANT F54	01/30/2011		3/27/2020	04/30/2020	12,168.37	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	DEMOLISH EXISTING STRUCTURES	5722F-2	10010-30600	PLANT F10	05/03/2013		4/18/2014	05/31/2020	496,924.99	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	ADDITIONAL COST TO COMPLETE THE PROJECT (5942F-1)	5942F-3	10010-54500		02/04/2020		9/25/2020	10/31/2020	10,921.73	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	ADVANCED CONFIGURATION OF ROUTINE WORK ORDER.	5977F-4	10010-57600		08/27/2017		10/15/2020	10/31/2020	10,911.84	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	TECHNICAL SUPPORT SERVICES FOR FIELD SERVICE	5977F-5	10010-57600		08/22/2017		10/15/2020	10/31/2020	10,242.77	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	SPARE PUMPING EQUIPMENT	6963F-1	10010-52400	PLANT F17	12/31/2015		12/17/2020	12/31/2020	709,176.86	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	GIS SYSTEM IMPROVEMENTS AND UPDATES	6143F-5	10010-57200		01/02/2020		12/31/2020	12/31/2020	103,369.58	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	ADDITIONAL WORK TO COMPLETE REPLACEMENT RELATED TO	6167F-6	10010-54300		02/05/2019		1/31/2020	01/31/2020	1,361.18	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 2,150' OF 8-5/8" GWBR PIPE	6169F-1	10010-54300		01/17/2017		9/16/2020	10/31/2020	1,070,847.96	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	Install services	6169F-2	10010-54500		01/17/2017		9/16/2020	10/31/2020	34,002.25	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 -6" FIRE HYDRANT #5928F	6213F-1	10010-54800		09/05/2017		10/15/2020	10/31/2020	4,137.23	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 4" MAINLINE METER	6213F-3	10010-54500		10/04/2017		10/15/2020	10/31/2020	9,039.04	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	REMOVE INTERFERING WATER LINES TO CLEAR STORM	6215F-1	10010-54200		08/03/2017		10/15/2020	11/30/2020	79,690.66	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	EMERGENCY GENERATOR PERMIT	6235F-1	10010-52400		09/01/2017		10/30/2020	11/30/2020	9,268.91	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	REPLACE MANUAL TRANSFER SWITCH TO THE GENERATOR	6235F-1	10010-52400	PLANT F7	10/18/2017		5/12/2020	05/31/2020	6,687.81	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 2909' OF 6-5/8" GWBR PIPE IN OWEN ST	6266F-1	10010-54500		11/03/2017		12/31/2020	12/31/2020	669,868.51	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL COPPER DOMESTIC SERVICES	6266F-2	10010-54500		11/03/2017		12/31/2020	12/31/2020	59,428.43	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6266F-3	10010-54800		11/03/2017		12/15/2020	12/31/2020	24,830.68	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 2 - 2" COPPER DOMESTIC SERVICES W/2" METER	6269F-4	10010-54500		04/30/2018		9/2/2020	09/30/2020	29,320.75	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 319' OF 12-3/4" GWBR PIPE	6269F-2	10010-54300		07/05/2018		4/14/2020	04/30/2020	48,991.96	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 2" COPPER DOMESTIC SVC W/ 2" METER	6269F-5	10010-54500		07/05/2018		4/14/2020	04/30/2020	2,639.96	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	COMPOUND METER REPLACEMENT PROGRAM	6314F-2	10010-54500		04/03/2018		5/12/2020	05/31/2020	44,722.94	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 525' OF 12-3/4" GWBR PIPE	6325F-1	10010-54300		04/05/2018		2/5/2020	05/31/2020	19,828.71	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	SCADA BACK-UP LINE RECONFIGURATION	6327F-1	10010-52400	PLANT F14	04/17/2018		5/12/2020	05/31/2020	87,967.96	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 385' OF 6-5/8" GWBR PIPE	6334F-1	10010-54300		05/03/2018		8/28/2020	08/31/2020	471,379.11	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 24 - 1" PLASTIC SERVICES	6334F-2	10010-54500		05/03/2018		8/28/2020	08/31/2020	96,582.96	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 6 - 6" FIRE HYDRANTS	6334F-3	10010-54800		05/03/2018		8/28/2020	08/31/2020	41,488.26	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	REPAIR 24" MAIN	6338F-1	10010-54300		05/21/2018		5/12/2020	05/31/2020	15,022.23	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 12" METER	6340F-1	10010-54500		05/23/2018		2/11/2020	02/28/2020	151,359.49	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 34' OF 6-5/8" GWBR PIPE	6359F-1	10010-54300		07/24/2018		10/1/2020	10/31/2020	13,400.17	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL MAIN BREAKER TO WELL F7A	6364F-1	10010-52400	PLANT F7	08/08/2018		5/12/2020	05/31/2020	11,446.17	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 2" COPPER SERVICE	6368F-2	10010-54500		02/26/2019		10/15/2020	10/31/2020	2,469.95	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 2 - 8" BUTTERFLY VALVES	6369F-4	10010-54300		02/26/2019		10/13/2020	10/31/2020	36,396.56	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 3 RESERVOIR SUBMERSIBLE LEVEL TRANSDUCERS	6376F-1	10010-54200	PLANT F15	10/16/2018		5/12/2020	05/31/2020	3,113.96	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL SAMPLE STATION	6391F-1	10010-53200		11/28/2018		3/12/2020	03/31/2020	3,742.07	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 2,620' OF 12-3/4" GWBR PIPE	6397F-1	10010-54300		12/18/2018		12/30/2020	12/31/2020	703,259.78	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	Install services	6397F-2	10010-54500		12/18/2018		12/30/2020	12/31/2020	21,997.31	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 6" FIRE HYDRANT #6101F	6397F-4	10010-54800		09/03/2019		12/30/2020	12/31/2020	9,155.72	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 2" COPPER DOMESTIC SERVICE W. 2" METER	6398F-3	10010-54500		12/26/2018		9/1/2020	09/30/2020	2,254.46	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 2,620' OF 8-5/8" GWBR PIPE	6401F-1	10010-54300		01/02/2019		12/31/2020	12/31/2020	592,246.11	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL COPPER DOMESTIC SERVICES	6401F-2	10010-54500		01/02/2019		12/31/2020	12/31/2020	55,182.48	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	Install 2 - 6" fire hydrants	6401F-3	10010-54800		01/02/2019		12/31/2020	12/31/2020	18,528.90	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL DISCONNECT SWITCH FOR FILTER "B" AIR WASH	6404F-1	10010-53200	PLANT F14	01/16/2019		3/4/2020	03/31/2020	1,991.58	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 2683' OF 12-3/4" GWBR PIPE	6409F-1	10010-54300		02/13/2019		5/26/2020	07/31/2020	479,261.57	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	Install services	6409F-2	10010-54500		02/13/2019		5/26/2020	07/31/2020	13,674.83	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	PURCHASE RETROFIT AND INSTALL 4-IN 1 BUCKET-	6429F-1	10010-57800		03/15/2019		3/4/2020	03/31/2020	6,928.84	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 117' OF 17-5/8" GWBR PIPE	6431F-1	10010-54300		03/25/2019		10/26/2020	10/31/2020	62,954.66	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 80' OF 8-5/8" GWBR PIPE	6466F-1	10010-54300		06/26/2019		8/24/2020	08/31/2020	36,913.26	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6466F-2	10010-54800		06/26/2019		8/24/2020	08/31/2020	7,965.17	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1,900' OF 12" GWBR PIPE	6476F-1	10010-54300		07/25/2019		12/31/2020	12/31/2020	179,648.24	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 3 - 1" SHORT SIDE SERVICES	6476F-2	10010-54500		07/25/2019		12/31/2020	12/31/2020	38,818.35	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6476F-3	10010-54800		07/25/2019		12/31/2020	12/31/2020	11,836.67	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	REPAIR ELM ELECTRICAL ACTUATOR	6477F-1	10010-53200	PLANT F14	08/12/2019		3/12/2020	05/31/2020	3,580.23	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL AND PROGRAM A SECURITY ACCESS STATION	6486F-1	10010-57700	PLANT F14	10/25/2019		3/12/2020	05/31/2020	4,553.13	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL 1,151' OF 12-3/4" GWBR PIPE	6497F-6	10010-54300		10/28/2019		6/4/2020	10/31/2020	49,643.63	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	INSTALL SERVICES -PLASTIC SERVICE REPLACEMENTS	6515F-1	10010-54500		01/02/2020		12/31/2020	12/31/2020	758,520.51	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	RETROFIT VAULTS-2020	6515F-2	10010-54500		01/02/2020		2/26/2021	12/31/2020	75,103.22	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	PURCHASE AND INSTALL NEW GEAR MOTOR FOR UNIT #4	6577F-1	10010-53200	PLANT F14	05/28/2020		12/4/2020	12/31/2020	3,897.71	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	Install new UPS system and L2000 HMI faceplate at DE Plant	6586F-1	10010-53200	PLANT F14	06/01/2020		12/4/2020	12/31/2020	2,561.78	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	Install soft starter for backwash blower #1	6587F-1	10010-53200	PLANT F14	07/01/2020		12/4/2020	12/31/2020	10,623.36	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	PUMPING EQUIPMENT	J324 09F	10010-52400		01/02/2020		12/31/2020	12/31/2020	10,643.05	N/A	N/A	N/A	N/A	N/A	N/A

2020	FONTANA	WATER TREATMENT EQUIPMENT	J332.09F	10010-53200		01/02/2020	12/31/2020	12/31/2020	8,827.58	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	METERS	J346.09F	10010-54600		01/02/2020	12/31/2020	12/31/2020	1,142,567.13	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	OFFICE FURNITURE & EQUIPMENT	J372.09F	10010-57200		01/02/2020	12/31/2020	12/31/2020	55,513.22	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	TRANSPORTATION EQUIPMENT	J373.09F	10010-57300		01/02/2020	12/31/2020	12/31/2020	105,953.91	N/A	N/A	N/A	N/A	N/A	N/A
2020	FONTANA	TOOLS, SHOP & GARAGE EQUIPMENT	J378.09F	10010-57800		01/02/2020	12/31/2020	12/31/2020	9,291.62	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	IMPLEMENTATION OF FINANCIAL AND WORK MANAGEMENT	8172G-3	10010-57200		11/30/2018	6/29/2020	12/31/2020	7,461,233.07	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	DOG LINK CONFIGURATION TO INFOR SYSTEM	9161G-2	10010-57200		01/01/2020	9/30/2020	09/30/2020	29,977.79	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	REMODEL SECRETARIAL AREA TO ADD NEW CUBICLE AND	9401G-1	10010-57200		10/04/2019	10/2/2020	10/31/2020	3,419.46	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	GIS INTEGRATION OF BUSINESS SYSTEMS AND ASSET	9406G-1	10010-57200		10/29/2019	11/15/2020	11/30/2020	8,968.45	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	REPLACE/UPGRADE THE IBM COMPUTER SYSTEM (AS400)	9418G-1	10010-57200		11/06/2019	11/13/2020	11/30/2020	84,967.38	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	REMODEL INFORMATION TECHNOLOGY/DATA PROCESSING	9419G-1	10010-57100		11/20/2019	10/2/2020	10/31/2020	32,735.48	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	INSTALL NO. 2 COMPRESSOR SERVING CIRCUIT A OF	9523G-1	10010-57100		04/21/2020	9/25/2020	09/30/2020	19,174.17	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	PAVE, SLURRY AND STRIPE NEW DEAL PARKING LOT	9533G-1	10010-57100		06/15/2020	9/25/2020	09/30/2020	7,020.02	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	STRUCTURES & IMPROVEMENTS	J371.09G	10010-57100		01/01/2018	12/31/2020	09/30/2020	14,591.65	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	OFFICE FURNITURE & EQUIPMENT	J372.09G	10010-57200		01/02/2020	12/31/2020	12/31/2020	138,225.38	N/A	N/A	N/A	N/A	N/A	N/A
2020	GENERAL	TRANSPORTATION EQUIPMENT	J373.09G	10010-57300		01/02/2020	12/31/2020	12/31/2020	175,287.37	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	NEW SERVICE INSTALLATIONS	5300L-49	10010-54900		01/02/2020	12/31/2020	12/31/2020	224,491.76	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL RESERVOIR EAST DRAIN PIPING	7961L-23	10010-54200	PLANT 1	11/29/2018	12/31/2020	12/31/2020	33,635.50	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	LIFT AND ROTATE DISCHARGE HEAD FOR WELL 18 TO	7961L-26	10010-52400	PLANT 1	09/26/2019	11/15/2020	11/30/2020	2,296.28	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	RELOCATE SCADA ANTENNA FROM RESERVOIR TO BOOSTER	7961L-27	10010-52400	PLANT 1	01/09/2020	2/28/2020	05/31/2020	6,423.19	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 2525' OF 12-3/4" GWBR	7753L-1	10010-54300		11/13/2003	10/23/2020	11/30/2020	1,864,965.49	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	ADDITIONAL CHARGES TO CONSTRUCT NITRATE	7879L-14	10010-53200	PLANT B6	03/12/2018	12/31/2020	12/31/2020	61,552.08	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PERMITTING AND APPROVAL OF RESERVOIR CONSTRUCTION	7944L-3	10010-54200	PLANT 14	02/22/2018	12/31/2020	12/31/2020	447,664.87	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL RETAINING WALL	7944L-6	10010-52100	PLANT 14	07/25/2019	12/31/2020	12/31/2020	116,565.69	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 5 LF OF 8- 5/8" GWBR PIPE	8240L-1	10010-54300		08/15/2015	2/19/2020	02/28/2020	24,514.08	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	CONSTRUCT STORM DRAIN	8372L-10	10010-53100	PLANT 8	03/16/2020	12/31/2020	12/31/2020	67,535.75	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PRECISE GRADING	8372L-11	10010-53100	PLANT 8	03/16/2020	12/31/2020	12/31/2020	44,809.63	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	STREET IMPROVEMENTS	8372L-13	10010-53100	PLANT 8	03/16/2020	12/31/2020	12/31/2020	16,636.06	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	CONSTRUCT FENCE AND WALL	8372L-4	10010-53100	PLANT 8	08/11/2017	12/31/2020	12/31/2020	791,594.66	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	SECURITY IMPROVEMENTS	8372L-6	10010-57100	PLANT 8	10/20/2017	12/31/2020	12/31/2020	162,605.83	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 39' OF 6-5/8" GWBR	8451L-1	10010-54300		12/29/2014	10/2/2020	10/31/2020	7,252.61	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 1" COPPER SERVICE WITH 5/4" METER	8451L-3	10010-54300		03/22/2018	10/2/2020	10/31/2020	853.96	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	ADVANCED CONFIGURATION OF ROUTINE WORK ORDER,	8591L-4	10010-57600		08/22/2017	10/23/2020	10/31/2020	10,800.42	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	TECHNICAL SUPPORT SERVICES FOR FIELD SERVICE	8591L-5	10010-57600		08/22/2017	10/23/2020	10/31/2020	16,612.28	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PURSUE FEDERAL AND STATE GRANT FUNDING FOR TAYLOR	8597L-1	10010-59610		04/30/2015	1/31/2020	01/31/2020	88,160.08	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	Additional work associated with 8575L-1	8575L-6	10010-54300		08/31/2020	9/25/2020	09/30/2020	25,428.38	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 6' OF 6-5/8" GWBR PIPE & 6" GATE VALVE TO	8613L-1	10010-54800		10/26/2015	2/10/2020	02/28/2020	12,799.48	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 6" BUTTERFLY VALVE AND RELATED PIPING	8766L-3	10010-54300		12/31/2019	5/13/2020	05/31/2020	1,869.75	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	ADDITIONAL WORK RELATED TO JOB 8783L-1	8783L-4	10010-54600		12/31/2019	5/13/2020	05/31/2020	278,238.10	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	GIS SYSTEM IMPROVEMENTS AND UPDATES	8848L-1	10010-57200		01/02/2020	12/31/2020	12/31/2020	96,389.59	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	HILLSIDE STABILIZATION IMPROVEMENTS	8913L-1	10010-52100	PLANT B17	07/19/2017	12/31/2020	12/31/2020	375,927.32	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	SITE IMPROVEMENTS	8975L-4	10010-57100		08/07/2019	12/31/2020	12/31/2020	209,684.63	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL POWER	8975L-5	10010-57100		03/05/2020	12/31/2020	12/31/2020	40,681.61	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL DATA AND PHONE LINES	8975L-6	10010-57200		03/05/2020	12/31/2020	12/31/2020	42,646.64	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL SECURITY AND ACCESS CONTROL	8975L-7	10010-57100		03/05/2020	12/31/2020	12/31/2020	16,951.87	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	ADDITIONAL WORK TO COMPLETE UPDATE OF WATER MASTER	8997L-2	10010-57200		06/13/2019	2/28/2019	05/31/2020	34,318.93	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	DEFINE AND PREPARE ASSET DATABASE	9086L-2	10010-57200		04/01/2019	11/13/2020	11/30/2020	12,994.57	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1,990' OF 6-5/8" GWBR	9130L-1	10010-54300		05/21/2018	9/11/2020	09/30/2020	759,140.37	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 76 OF 1" SHORT SIDE PLASTIC DOMESTIC SVC	9130L-2	10010-54500		05/21/2018	9/11/2020	09/30/2020	122,228.32	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 3 - 6" FIRE HYDRANTS #4060E,#4061E,#4962E	9130L-3	10010-54800		05/21/2018	9/11/2020	09/30/2020	24,321.31	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PROJECT DELIVERY SYSTEM- PRELIMINARY ASSESSMENT	9160L-1	10010-57200		01/30/2019	11/13/2020	11/30/2020	62,610.81	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1,300' OF 6-5/8" GWBR PIPE IN MILLET AVE	9176L-1	10010-54300		07/27/2018	9/11/2020	09/30/2020	694,375.47	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 33 - 1" MUNICIPEX DOMESTIC SERVICES	9176L-2	10010-54500		07/27/2018	9/11/2020	09/30/2020	136,968.28	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 3 - 6" FIRE HYDRANTS#4064E,4965E,4966E	9176L-3	10010-54800		07/27/2018	9/11/2020	09/30/2020	19,765.81	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 971' OF 6-5/8" GWBR PIPE	9177L-1	10010-54300		07/27/2018	9/11/2020	09/30/2020	325,403.78	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 18 - 1" MUNICIPEX DOMESTIC SERVICES	9177L-2	10010-54500		07/27/2018	9/11/2020	09/30/2020	36,679.15	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 6" FIRE HYDRANT #4075E	9177L-3	10010-54800		07/27/2018	9/11/2020	09/30/2020	7,018.82	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 571' OF 6-5/8" GWBR PIPE	9181L-1	10010-54300		08/27/2018	12/1/2020	12/31/2020	43,818.19	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL COVERS FOR ELECTRICAL CONDUITS FROM OLD	9182L-2	10010-57100		01/27/2020	10/23/2020	10/31/2020	54,646.08	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	WHITTIER AND INDUSTRY COMMERCIAL BUILDING UPDATES	9185L-1	10010-57100		09/12/2018	1/31/2020	01/31/2020	1,378.94	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 2,886' OF 6-5/8" GWBR MAIN	9696L-1	10010-54300		10/02/2018	9/11/2020	09/30/2020	832,256.01	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 48 - 1" LONG SIDE SERVICES	9196L-2	10010-54500		10/02/2018	9/11/2020	09/30/2020	152,128.79	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 7 - 6" FIRE HYDRANTS	9196L-3	10010-54800		10/02/2018	9/11/2020	09/30/2020	45,011.64	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 925'± 6-5/8" GWBR AND 5'- 8-5/8"BWBR PIPE	9214L-1	10010-54300		10/29/2018	12/15/2020	12/31/2020	214,107.87	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 36 - 1" SHORT SIDE AND 16-1" LONG SIDE SERVICES	9214L-2	10010-54500		10/29/2018	12/15/2020	12/31/2020	68,873.17	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PURCHASE AND REPLACEMENT OF 24" BASKET STRAINER	9219L-1	10010-53200	PLANT B6	11/28/2018	2/10/2020	01/31/2020	139,419.28	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL ALLEN BRADLEY SOFT STARTERS TO WELLS 88,	9226L-1	10010-52400	PLANT 8	11/29/2018	1/31/2020	01/31/2020	32,650.44	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPAIR 24" DISCHARGE FLOW METER S/N#991339-20	9231L-1	10010-52400	PLANT 11	12/07/2018	1/31/2020	01/31/2020	5,796.18	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 750' OF 6-5/8" GWBR PIPE	9241L-1	10010-54300		07/27/2018	5/4/2020	05/31/2020	198,847.75	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 19 - 1" LONG SIDE MUNICIPEX DOMESTIC SVCS	9241L-2	10010-54500		01/02/2019	5/4/2020	05/31/2020	24,762.58	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 6" FIRE HYDRANT	9241L-3	10010-54800		01/02/2019	5/4/2020	05/31/2020	6,436.29	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL PH SENSORS AND CONTROLLERS	9276L-1	10010-53200	PLANT 8	03/08/2019	10/23/2020	10/31/2020	2,827.36	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1' OF 16" GWBR TO 16" AC WATER MAIN	9288L-1	10010-54300		04/09/2019	5/13/2020	05/31/2020	5,216.36	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1-1" SERVICE	9289L-2	10010-54500		12/31/2019	5/13/2020	05/31/2020	1,036.54	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 4" MANIFOLD SERVICE WITH 3 - 2" METERS	9312L-1	10010-54500		05/23/2019	10/28/2020	11/30/2020	20,923.87	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 2" DOMESTIC SERVICE	9321L-3	10010-54500		06/24/2019	10/22/2020	10/31/2020	4,797.66	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 2" DOMESTIC SERVICES	9322L-3	10010-54500		06/24/2019	10/22/2020	12/31/2020	5,896.71	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 4" BUTTERFLY VALVE & 1 - 8" BUTTERFLY	9339L-1	10010-54300		07/31/2019	5/13/2020	05/31/2020	17,139.68	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1 - 4" BUTTERFLY VALVE	9339L-2	10010-54300		07/31/2019	5/13/2020	05/31/2020	7,124.91	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-1	10010-52400	PLANT 1	08/15/2019	9/25/2020	09/30/2020	53,862.89	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-2	10010-52400	PLANT 2	08/15/2019	9/25/2020	09/30/2020	54,350.66	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-3	10010-52400	PLANT 11	08/15/2019	9/25/2020	09/30/2020	54,381.87	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-4	10010-52400	PLANT G4	08/15/2019	9/25/2020	09/30/2020	54,487.74	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE SCADA PLC AND INSTALL SCADA ALARM	9347L-5	10010-52400	PLANT W1	08/15/2019	9/25/2020	09/30/2020	53,862.89	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL VARIOUS SCADA RESIDUAL ALARMS	9347L-6	10010-52400		08/15/2019	9/25/2020	09/30/2020	16,413.11	N/A	N/A	N/A	N/A	N/A	N/A

2020	LA	REPLACE AIR CONDITIONING UNIT INSIDE DISTRIBUTION	9572L-1	10010-52400	PLANT B6	09/16/2019	6/3/2020	07/31/2020	9,768.45	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 4-LF OF 17-3/8" GWBR PIPE	9355L-1	10010-54300		10/03/2019	2/19/2020	02/28/2020	25,153.68	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPAIR AIR STRIPPER BOOSTER PUMP	9586L-2	10010-53200	PLANT B11	10/03/2019	10/25/2020	10/31/2020	12,642.75	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPAIR AIR STRIPPER CHECK VALVE	9586L-3	10010-53200	PLANT B11	10/03/2019	10/23/2020	10/31/2020	8,962.92	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPAIR 10"COLLAR ON 10"AC PIPES/4" PIPE	9288K-1	10010-54300		10/07/2019	10/23/2020	10/31/2020	5,102.34	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL VARIABLE FREQUENCY DRIVE ON BLOWER #4 AT	9595L-1	10010-53200	PLANT B6	10/18/2019	9/25/2020	09/30/2020	15,979.63	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL SOFT STARTER TO BOOSTER #2	9596L-1	10010-52400	PLANT B5	10/18/2019	10/28/2020	11/30/2020	9,435.54	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1- 24" BUTTERFLY VALVE	9398L-1	10010-52400	PLANT B7	10/21/2019	10/23/2020	10/31/2020	49,369.58	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REMODEL SECRETARIAL AREA FOR ADDIDITON OF CUBICLE	9599L-1	10010-57200		10/23/2019	10/2/2020	10/31/2020	3,419.46	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REFURBISH WELL B5B MOTOR S N U12-3677024833-801-GT-01	9403L-1	10010-52400	PLANT B5	10/28/2019	9/25/2020	09/30/2020	9,396.96	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PURCHASE AND INSTALL 6" CLA-VALVE	9407L-1	10010-52400	PLANT B4	10/29/2019	10/23/2020	10/31/2020	15,192.77	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALLED 4" OF 4-1/2" GWBR PIPE	9410L-1	10010-54300		11/04/2019	4/23/2020	04/30/2020	39,257.88	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 36"-4-1/2" GWBR pipe	9414L-1	10010-54300		11/13/2019	5/13/2020	05/31/2020	28,227.42	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 1-1" SERVICE	9414L-2	10010-54300		11/13/2019	5/13/2020	05/31/2020	5,458.40	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALLED 3' OF 12-3/4" GWBR PIPE	9420L-1	10010-54300		11/22/2019	10/2/2020	10/31/2020	36,493.49	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE BOWL ASSEMBLIES ON BOOSTER PUMP B1 & B3	9422L-1	10010-52400	PLANT B1	12/02/2019	6/3/2020	07/31/2020	31,216.49	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE BOWL ASSEMBLIES ON BOOSTER PUMPS B1&2	9423L-2	10010-52400	PLANT B1	02/07/2020	6/3/2020	07/31/2020	14,271.92	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPAIR 20" PROP ASSEMBLY	9427L-1	10010-52400	PLANT 2	12/04/2019	10/23/2020	10/31/2020	5,896.66	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPAIR 8" VENT PIPE ON THE BRINE MAKER FOR THE	9430L-1	10010-53200	PLANT B6	12/11/2019	11/15/2020	11/30/2020	6,313.49	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REMOVE AND REPLACE 1 - 4" TEE AND RELATED PIPING	9431L-1	10010-54300		12/13/2019	10/2/2020	12/31/2020	53,689.83	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALLED 3'of 6-3/8" GWBR PIPE	9442L-1	10010-54300		01/02/2020	10/27/2020	11/30/2020	6,258.01	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE MAGNETIC METER FOR GAC VESSELS PAIR 915	9443L-1	10010-53200	PLANT B5	01/02/2020	10/2/2020	10/31/2020	7,218.05	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL SERVICES - PLASTIC SERVICE REPLACEMENT	9452L-1	10010-54300		01/02/2020	12/31/2020	12/31/2020	485,229.48	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	RETROFIT VAULTS - 2020	9452L-2	10010-54300		01/02/2020	12/31/2020	12/31/2020	96,368.98	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 2 - 8" BUTTERFLY VALVES	9454L-1	10010-54300		01/13/2020	9/25/2020	09/30/2020	41,258.66	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REFURBISH S/N 11 B2010101 ARB 8-12 TO WELL B11B	9455L-1	10010-52400	PLANT B11	01/13/2020	6/5/2020	07/31/2020	24,441.52	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPAIR ALIMA VALVE AND CALIBRATE	9457L-1	10010-52400	PLANT W1	01/16/2020	2/25/2020	05/31/2020	4,295.65	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE FLOW METER AT B6 BOOSTER PUMP	9458L-1	10010-52400	PLANT B6	01/17/2020	9/25/2020	09/30/2020	2,615.79	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 20HP ALLEN BRADLEY VARIABLE FREQUENCY	9459L-1	10010-52400	PLANT 14	01/21/2020	2/25/2020	05/31/2020	7,109.68	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL ALLEN BRADLEY SOFT STARTER FOR WELL	9466L-1	10010-52400	PLANT B26	01/29/2020	6/16/2020	07/31/2020	8,680.66	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	FURNISH AND INSTALL TWO SETS OF STEEL DOORS AT	9476L-1	10010-53100	PLANT B6	01/30/2020	9/25/2020	09/30/2020	7,558.72	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 2' -6-3/8" GWBR	9473L-1	10010-54300		02/18/2020	9/25/2020	09/30/2020	13,283.94	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	DESIGN, PERMITTING AND RELATED WORK	9475L-2	10010-53200	PLANT W6	02/06/2020	12/31/2020	12/31/2020	83,266.26	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	CONSTRUCT REPLACEMENT PIPING	9475L-4	10010-53200	PLANT W6	02/06/2020	12/31/2020	12/31/2020	268,816.49	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL SCADA PROGRAMMING	9473L-5	10010-52400	PLANT W6	02/06/2020	12/31/2020	12/31/2020	27,132.86	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 4" -8-5/8" GWBR	9479L-1	10010-54300		02/19/2020	9/25/2020	09/30/2020	16,694.19	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REFURBISH 1 - 12" PROP ASSEMBLY AT PLANT B24 INLET	9484L-1	10010-52400	PLANT B24	02/21/2020	6/3/2020	07/31/2020	2,990.28	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL WELL PUMP FOR B26B	9486L-1	10010-52400	PLANT B26	02/24/2020	9/25/2020	09/30/2020	17,887.14	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALLED 4' -8-5/8"GWBR	9501L-1	10010-54300		03/12/2020	11/19/2020	11/30/2020	16,008.31	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REPLACE ALLEN BRADLEY SOFT STARTER FOR WELL 11B	9503L-1	10010-52400	PLANT 11	03/16/2020	6/3/2020	07/31/2020	9,355.31	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	REFURBISH WELL B25A MOTOR SERIAL NO 488538	9519L-1	10010-52400	PLANT B25	04/01/2020	11/26/2020	11/30/2020	12,962.13	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL ELECTRICAL BREAKER AT WELL 1E	9521L-1	10010-52400	PLANT 1	04/21/2020	7/22/2020	07/31/2020	5,969.15	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PURCHASE OUTSIDE FLOOD LIGHTS AND INSIDE LIGHT	9526L-1	10010-57100		05/01/2020	7/22/2020	07/31/2020	4,684.98	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PURCHASE HITACHI 200HP SUBMERSIBLE MOTOR FOR	9535L-1	10010-52400	PLANT 1	05/06/2020	9/25/2020	09/30/2020	49,145.65	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL 5' - 16-3/4" GWBR	9535L-1	10010-54300		05/13/2020	9/25/2020	09/30/2020	17,999.53	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PURCHASE 118, 3/4" WATER RIGHTS	9539L-1	10010-59010		02/06/2020	2/25/2020	12/31/2020	2,452,208.20	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL STANDARD RETRO CONTROLLER AND SUBMERSIBLE PUMP	9539L-1	10010-52400	PLANT B5	05/20/2020	11/13/2020	11/30/2020	14,914.86	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL ADAPTIVE SECURITY PLUS SYSTEM TO UPGRADE	9542L-1	10010-52400		05/27/2020	9/25/2020	09/30/2020	2,868.82	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	Refurbish air conditioning unit in comp house	9558L-01	10010-52400	PLANT B12	06/04/2020	11/26/2020	11/30/2020	4,893.58	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	INSTALL SCADA ANTENNA TO NEW RESERVOIR	9609L-01	10010-52400	PLANT G6	09/28/2020	12/31/2020	12/31/2020	8,310.25	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	PUMPING EQUIPMENT	/324.08L	10010-52400		01/02/2020	12/31/2020	12/31/2020	26,752.00	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	WATER TREATMENT EQUIPMENT	/332.08L	10010-53200		01/02/2020	12/31/2020	12/31/2020	2,113.16	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	METERS	/346.08L	10010-54600		01/02/2020	12/31/2020	12/31/2020	924,653.89	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	OFFICE FURNITURE & EQUIPMENT	/372.08L	10010-57200		01/02/2020	12/31/2020	12/31/2020	88,647.12	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	TRANSPORTATION EQUIPMENT	/373.08L	10010-57300		01/02/2020	12/31/2020	12/31/2020	96,539.09	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	COMMUNICATION EQUIPMENT	/376.08L	10010-57600		01/02/2020	12/31/2020	12/31/2020	838.46	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA	TOOLS, SHOP & GARAGE EQUIPMENT	/378.08L	10010-57800		01/02/2020	12/31/2020	12/31/2020	15,647.74	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA Recycle	INSTALL 1 -6" FIRE HYDRANT # 16R	8363L R-16	10010-54600		01/11/2017	12/31/2020	12/31/2020	9,332.46	N/A	N/A	N/A	N/A	N/A	N/A
2020	LA Recycle	INSTALL AIR VACS	8363L R-17	10010-54300		02/01/2017	10/27/2020	11/30/2020	2,577.21	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	NEW SERVICE INSTALLATIONS - 2020	2699F-48	10010-54500		1/2/2021	12/31/2021	12/31/2021	98,998.96	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	SITE WORK INCLUDING NEW CURB AND GUTTER, ASPHALT	5312F-12	10010-52200	PLANT F15	09/10/2012	10/13/2021	10/31/2021	559,211.08	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	CONSTRUCT STORM DRAIN	5312F-15	10010-53100	PLANT F15	09/10/2014	10/19/2021	10/31/2021	282,363.37	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	CONSTRUCT LANDSCAPING	5312F-16	10010-52100	PLANT F15	09/10/2014	10/13/2021	10/31/2021	157,967.78	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	CONSTRUCT STREET IMPROVEMENT	5312F-17	10010-52200	PLANT F15	09/10/2014	10/13/2021	10/31/2021	76,268.36	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL SITE DRAIN LINE	5312F-26	10010-54200	PLANT F15	03/12/2018	10/19/2021	10/31/2021	6,269.33	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	CONSTRUCT 6.5 MG RESERVOIR (NORTH)	5712F-11	10010-54200	PLANT F31	09/10/2014	12/31/2021	12/31/2021	1,140,999.19	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL RESERVOIR PIPING (NORTH)	5712F-12	10010-54200	PLANT F31	09/10/2014	12/31/2021	12/31/2021	224,962.97	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	EQUIP WELL F31B	5712F-14	10010-51500	PLANT F31	09/10/2014	12/31/2021	12/31/2021	426,236.35	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 12" MAIN LINE METER AND VAULT	5712F-22	10010-57400	PLANT F31	06/05/2019	12/15/2021	12/31/2021	45,537.77	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 -6" FIRE HYDRANT	5712F-23	10010-54600	PLANT F31	06/05/2019	12/15/2021	12/31/2021	14,907.42	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL NORTH RESERVOIR DRAINAGE PIPING AND BUBBLER	5712F-24	10010-54200	PLANT F31	06/05/2019	12/15/2021	12/31/2021	213,529.13	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL NORTH RESERVOIR PIPING FOR PHASE II	5712F-25	10010-54200	PLANT F31	06/05/2019	12/30/2021	12/31/2021	640,164.82	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	CONSTRUCT STREET IMPROVEMENTS	5712F-26	10010-52100	PLANT F31	07/31/2019	12/15/2021	12/31/2021	23,825.88	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL BOOSTER PIPING	5712F-6	10010-52400	PLANT F31	09/10/2014	12/30/2021	12/31/2021	341,791.31	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL BOOSTER PUMPS	5712F-7	10010-52400	PLANT F31	09/10/2014	12/31/2021	12/31/2021	361,614.61	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	CONSTRUCT BOOSTER BUILDING	5712F-8	10010-52100	PLANT F31	09/10/2014	12/31/2021	12/31/2021	1,363,943.61	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL BOOSTER ELECTRICAL	5712F-9	10010-52400	PLANT F31	09/10/2014	12/31/2021	12/31/2021	1,235,899.69	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	PROVIDE PRODUCTION DATABASE MANAGMENT SYSTEM	5823F-2	10010-52400		06/04/2018	7/16/2021	07/31/2021	89,664.88	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	GIS SYSTEM IMPROVEMENTS AND UPDATES	6142F-5	10010-57200		1/2/2021	12/31/2021	12/31/2021	29,827.94	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	ADDITIONAL WORK TO COMPLETE UPDATE OF MASTER WATER	6253F-2	10010-57200		05/31/2019	6/18/2021	06/30/2021	38,516.87	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL MAIN	6281F-1	10010-54300		12/18/2017	5/13/2020	02/28/2021	35,549.65	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Modify exist programming and logic on auto valve at Afterbay	6293F-3	10010-52400	PLANT F13	06/01/2020	2/24/2021	03/31/2021	13,850.98	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	VERTICAL ASSET REGISTRY COLLECTION AND DATABASE	6324F-2	10010-57200		04/15/2019	6/18/2021	06/30/2021	17,816.26	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL NEW WORK BENCH	6329F-1	10010-57800		04/26/2018	7/15/2021	07/31/2021	3,200.99	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 2,650' OF 17-3/8" GWBR PIPE	6334F-1	10010-54300		06/29/2018	11/6/2021	11/30/2021	2,816,134.96	N/A	N/A	N/A	N/A	N/A	N/A

2021	FONTANA	INSTALL 41 - 1" SHORT SIDE SERVICES	6354F-2	19010-54500		06/29/2018	11/5/2021	11/30/2021	82,642.71	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 6" FIRE HYDRANTS	6354F-3	19010-54500		06/29/2019	11/5/2021	11/30/2021	19,419.76	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	DESIGN AND INSTALL AIR GAP TO RESERVOIR OVERFLOW	6381F-1	19010-54200	PLANT F28	11/01/2018	12/31/2021	12/31/2021	95,390.35	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1,420' OF 6-5/8" GWBR PIPE	6396F-1	19010-54500		01/29/2019	9/10/2021	09/30/2021	424,847.56	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL COPPER SERVICES	6396F-2	19010-54500		01/29/2019	9/10/2021	09/30/2021	46,796.54	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6396F-3	19010-54500		01/29/2019	9/10/2021	09/30/2021	8,717.94	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL MAIN 1,630' OF 12-3/4" GWBR IN ARROW BLVD	6407F-1	19010-54500		01/29/2019	9/20/2021	09/30/2021	442,259.97	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL COPPER SERVICES	6407F-2	19010-54500		01/29/2019	9/20/2021	09/30/2021	74,316.57	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6407F-3	19010-54500		01/29/2019	9/20/2021	09/30/2021	24,633.11	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICE	6414F-2	19010-54500		02/19/2019	5/7/2021	05/31/2021	4,873.63	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICE AND REMOVE #73475	6443F-3	19010-54500		05/10/2019	7/30/2021	09/30/2021	3,969.33	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL MAIN	6447F-1	19010-54500		05/15/2019	4/16/2021	12/31/2021	68,104.96	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICE	6447F-4	19010-54500		05/15/2019	4/16/2021	12/31/2021	3,113.84	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICE	6448F-4	19010-54500		05/15/2019	1/18/2021	03/31/2021	2,765.73	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 2,160' OF 6-5/8" GWBR PIPE	6459F-1	19010-54500		05/20/2019	9/27/2021	10/31/2021	459,120.65	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL COPPER DOMESTIC SERVICES	6459F-2	19010-54500		05/20/2019	9/27/2021	10/31/2021	81,145.25	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL FIRE HYDRANTS	6459F-3	19010-54500		05/20/2019	9/27/2021	10/31/2021	38,211.39	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6452F-11	19010-54500		10/29/2019	4/9/2021	04/30/2021	9,254.07	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 3 - 1; SHORT SIDE DOMESTIC SERVICES	6452F-12	19010-54500		10/29/2019	4/9/2021	04/30/2021	7,458.02	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 2" SHORT SIDE DOMESTIC SERVICE WITH	6452F-3	19010-54500		06/04/2019	4/9/2021	04/30/2021	3,731.31	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 360LF OF 12-3/4" GWBR PIPE	6452F-7	19010-54500		10/25/2019	4/9/2021	04/30/2021	5,316.57	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 244 LF OF 12-3/4" GWBR PIPE	6452F-8	19010-54500		10/25/2019	4/9/2021	04/30/2021	62,512.79	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 6" DOMESTIC SERVICE WITH 1 - 6" METER	6461F-2	19010-54500		06/17/2019	7/14/2021	07/31/2021	33,165.32	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 830' OF 8-5/8" GWBR PIPE IN THE NORTH SIDE	6462F-1	19010-54500		06/19/2019	8/25/2021	09/30/2021	453,103.01	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install services	6462F-2	19010-54500		06/19/2019	8/25/2021	09/30/2021	66,354.25	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6462F-4	19010-54500		04/01/2020	8/25/2021	09/30/2021	16,853.97	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 2,730' OF 6-5/8" GWBR PIPE	6463F-1	19010-54500		06/19/2019	9/21/2021	09/30/2021	744,717.26	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1" COPPER DOMESTIC SERVICES	6463F-2	19010-54500		06/19/2019	9/21/2021	09/30/2021	103,894.47	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 6 - 6" FIRE HYDRANTS	6463F-3	19010-54500		06/19/2019	9/21/2021	09/30/2021	48,728.54	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	ADDITIONAL COSTS TO INSTALL MAINS	6476F-6	19010-54500		07/03/2019	2/19/2021	03/31/2021	178,544.54	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 950' OF 8-5/8" GWBR PIPE	6474F-1	19010-54500		07/31/2019	6/1/2021	06/30/2021	332,849.55	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 17 - 1" DOMESTIC SERVICES	6474F-2	19010-54500		07/31/2019	6/1/2021	06/30/2021	38,138.96	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 1" DOMESTIC SERVICE	6487F-2	19010-54500		10/03/2019	7/19/2021	09/30/2021	1,818.75	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1 - 2" domestic service with 2" meter	6503F-2	19010-54500		11/20/2019	4/5/2021	08/31/2021	1,701.32	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1 - 2" domestic service with 2" meter	6505F-3	19010-54500		11/22/2019	4/29/2021	08/31/2021	2,877.92	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	REPLACE LIGHTING IN WAREHOUSE	6508F-1	19010-57100		12/19/2019	6/1/2021	06/30/2021	16,490.57	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1 - 2" domestic service with 2" meter	6509F-2	19010-54500		12/12/2019	9/16/2021	09/30/2021	4,496.15	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICE WITH 1" METER	6510F-3	19010-54500		12/13/2019	5/10/2021	09/31/2021	3,193.76	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1 - 2" domestic service with 2" meter	6511F-4	19010-54500		12/20/2019	1/26/2021	02/28/2021	2,767.71	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL SERVICES-PLASTIC SERVICE REPLACEMENTS	6515F-1	19010-54500		1/2/2021	12/31/2021	12/31/2021	295,359.71	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1,860LF OF 8-5/8" GWBR PIPE IN FONTANA AVE	6527F-1	19010-54500		01/21/2020	12/31/2021	12/31/2021	696,443.67	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install services	6527F-2	19010-54500		01/21/2020	12/31/2021	12/31/2021	93,946.36	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL FIRE HYDRANTS	6527F-3	19010-54500		01/21/2020	12/31/2021	12/31/2021	36,799.87	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1 - 2" domestic service with 2" meter	6528F-4	19010-54500		01/23/2020	7/12/2021	07/31/2021	3,469.83	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL MAIN AND PRESSURE REDUCING STATION	6536F-1	19010-54500		01/29/2020	10/15/2021	10/31/2021	1,831,968.05	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install services	6536F-2	19010-54500		01/29/2020	10/15/2021	10/31/2021	26,644.44	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install fire hydrant	6536F-3	19010-54500		01/29/2020	10/15/2021	10/31/2021	36,259.63	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 3,300 LF OF 8-5/8" GWBR PIPE	6532F-1	19010-54500		01/30/2020	10/13/2021	10/31/2021	441,346.68	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install services	6532F-2	19010-54500		01/30/2020	10/13/2021	10/31/2021	14,172.68	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 2 - 6" fire hydrants	6532F-3	19010-54500		01/30/2020	10/13/2021	10/31/2021	17,544.54	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1 -1" domestic service with 1" meter	6533F-02	19010-54500		11/01/2020	9/3/2021	11/30/2021	3,370.15	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1 -2" domestic service with 1-1/2" meter	6534F-02	19010-54500		11/01/2020	8/25/2021	11/30/2021	3,628.28	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install services	6544F-1	19010-54500		02/18/2020	11/19/2021	11/30/2021	103,899.07	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL MAIN	6544F-3	19010-54500		02/18/2020	11/19/2021	11/30/2021	133,119.96	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL MAIN	6545F-03	19010-54500		11/01/2020	12/31/2021	12/31/2021	864,978.74	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL FIRE HYDRANTS	6545F-04	19010-54500		11/01/2020	12/31/2021	12/31/2021	22,404.61	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install services	6545F-1	19010-54500		02/18/2020	12/31/2021	12/31/2021	89,898.41	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 4,248' OF 17-3/8" GWBR PLNT F31 BASELINE TO F24 JUNIPR	6546F-1	19010-54500		02/18/2020	12/31/2021	12/31/2021	1,498,896.58	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 3,918' OF 17-3/8" GWBR BASELINE, SIERRA, MICALLEF AVE	6547F-1	19010-54500		02/18/2020	12/31/2021	12/31/2021	1,125,228.57	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	PERFORM RADIO ANTENNA SRVY, INST TELEMETRY HARDWARE F31CO	6554F-1	19010-52400	PLANT F31	03/02/2020	10/13/2021	10/31/2021	39,950.95	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1-2" dom svc w/2" mtr (plug exist svc at main)	6555F-2	19010-54500		03/17/2020	9/3/2021	11/30/2021	2,672.61	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	INSTALL 1 -7" DOMESTIC SERVICE	6573F-3	19010-54500		05/05/2020	9/27/2021	10/31/2021	2,737.79	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1 -2" domestic service with 2" meter	6579F-2	19010-54500		06/23/2020	8/23/2021	11/30/2021	4,318.75	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Purchase and Install A/C unit for D.E. unit #3 variable freq	6586F-1	19010-53200	PLANT F14	07/23/2020	2/19/2021	02/28/2021	6,623.01	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Pilot study for SCADA software - Production Database	6591F-1	19010-52400		07/23/2020	6/18/2021	06/30/2021	42,246.66	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Replace low band radios in central control and comm. office	6597F-01	19010-57600		08/11/2020	7/15/2021	07/31/2021	9,489.12	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1-2" domestic service with 1-1/2" meter	6598F-02	19010-54500		08/17/2020	6/4/2021	12/31/2021	3,342.28	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Purchase and install compressor serving AC-2 (Building A)	6601F-01	19010-57100		08/17/2020	7/15/2021	07/31/2021	8,310.57	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Purchase and install compressor serving AC-1 (Building A)	6601F-02	19010-57100		08/17/2020	7/15/2021	07/31/2021	16,489.54	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Purchase and install compressor serving CU-2 (Building B)	6602F-01	19010-57100		08/17/2020	7/15/2021	07/31/2021	5,355.94	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Master Plan - 2021	6603F-01	19010-57200		08/17/2020	12/31/2021	12/31/2021	452,548.22	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Hydraulic Model - 2021	6604F-01	19010-57200		08/17/2020	12/31/2021	12/31/2021	174,598.18	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	CONSTRUCT WELL BUILDING	6617F-01	19010-52100	PLANT F24	09/01/2020	12/2/2021	12/31/2021	341,349.48	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1-2" dom. svc. with 2" mtr (Abandon exist. svc)	6618F-02	19010-54500		10/01/2020	8/25/2021	11/30/2021	3,534.58	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1-2" domestic service with 2" meter	6621F-02	19030-54500		10/01/2020	8/23/2021	09/30/2021	3,315.79	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Troubleshoot PLC panel and replace analog output card	6622F-01	19010-53200	PLANT F14	10/01/2020	2/24/2021	02/28/2021	1,865.63	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Furnish and install compressor for hydrostation a/c unit	6623F-01	19010-53200	PLANT F14	10/01/2020	2/24/2021	02/28/2021	2,952.49	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1-2" domestic service w/ 2" meter	6629F-02	19030-54500		10/01/2020	9/16/2021	11/30/2021	3,741.78	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1-2" domestic service with 2" meter	6631F-02	19030-54500		11/01/2020	11/4/2021	11/30/2021	5,155.21	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Replace faulty RTRH board on AC system Building A	6632F-01	19010-57100		11/01/2020	6/1/2021	06/30/2021	3,274.87	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Replace seized compressor on AC system Building A	6633F-01	19030-57100		11/01/2020	6/1/2021	06/30/2021	17,995.96	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Refurbish well F36A	6637F-01	19010-52400	PLANT F36	11/01/2020	10/13/2021	10/31/2021	105,157.95	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install Nitrate Analyzer and housing on well F7R	6652F-01	19010-52400		12/01/2020	6/18/2021	06/30/2021	34,276.39	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Replace hot water booster pump (Building B)	6653F-01	19010-57100	FONTANA	12/01/2020	2/19/2021	02/28/2021	1,665.47	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 47- 1" short side services & 20-1" long side services	6655F-01	19010-54500		01/01/2021	12/15/2021	12/31/2021	327,379.58	N/A	N/A	N/A	N/A	N/A	N/A

2021	FONTANA	Install 1-2" domestic service with 2" meter	6655F-03	10010-54500		01/01/2021	11/12/2021	11/30/2021	3,664.79	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Purchase 2- stationary truck mounted herbicide applicator spr	6697F-01	10010-57500		02/01/2021	6/4/2021	06/30/2021	5,857.91	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install nitrate analyzer and plumbing on well F7A	6765F-01	10010-52400	PLANT F7	03/01/2021	7/15/2021	07/31/2021	33,462.46	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Add on additional SCE service run on site	6766F-01	10010-52400	PLANT F19	03/01/2021	7/15/2021	07/31/2021	1,460.23	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Purchase and install 3 new LED lights above gravity filters	6767F-01	10010-57100	PLANT F14	03/01/2021	10/15/2021	10/31/2021	4,575.99	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 2-4" fire hydrants	6726F-01	10010-54800		04/01/2021	10/25/2021	11/30/2021	96,008.49	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	New compressor on A/C unit for booster	6721F-01	10010-52400	PLANT F53	04/01/2021	6/1/2021	06/30/2021	5,930.61	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Pull, inspect, repair and reinstall well F24A	6722F-01	10010-52400	PLANT F24	04/01/2021	10/15/2021	10/31/2021	84,713.55	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	New exhaust "Y" on emergency generator	6723F-01	10010-52400	PLANT F13	05/01/2021	6/1/2021	06/30/2021	5,637.47	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install 1,500LF of 16" GWBR	6732F-01	10010-54500		05/01/2021	12/1/2021	12/31/2021	676,377.33	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	Install new A/C System on Hydro Station	6737F-01	10010-57100	PLANT F14	06/01/2021	10/15/2021	10/31/2021	16,518.41	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	PUMPING EQUIPMENT	J324.09F	10010-52400		1/2/2021	12/31/2021	12/31/2021	21,554.33	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	WATER TREATMENT EQUIPMENT	J332.09F	10010-53200		1/2/2021	12/31/2021	12/31/2021	6,958.72	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	METERS	J346.09F	10010-54600		1/2/2021	12/31/2021	12/31/2021	1,239,675.22	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	OFFICE FURNITURE & EQUIPMENT	J372.09F	10010-57200		1/2/2021	12/31/2021	12/31/2021	15,588.36	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	REMOTE READING DEVICE	J372.29F	10010-57320		1/2/2021	12/31/2021	12/31/2021	42,735.08	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	TRANSPORTATION EQUIPMENT	J373.09F	10010-57300		1/2/2021	12/31/2021	12/31/2021	953,866.85	N/A	N/A	N/A	N/A	N/A	N/A
2021	FONTANA	TOOLS, SHOP & GARAGE EQUIPMENT	J378.09F	10010-57800		1/2/2021	12/31/2021	12/31/2021	27,158.32	N/A	N/A	N/A	N/A	N/A	N/A
2021	GENERAL	Install Workstations Information Technology/ Data Processing	9418G-2	10010-57200		10/16/2020	3/5/2021	05/31/2021	33,403.86	N/A	N/A	N/A	N/A	N/A	N/A
2021	GENERAL	Furniture Purchase & Installation for LA Engineering Offices	9691G-1	10010-57200		09/14/2020	3/5/2021	05/31/2021	13,337.04	N/A	N/A	N/A	N/A	N/A	N/A
2021	GENERAL	Purchase and install ductless HVAC system (VP Eng. Office)	9767G-01	10010-57100		04/01/2021	9/24/2021	09/30/2021	29,789.81	N/A	N/A	N/A	N/A	N/A	N/A
2021	GENERAL	Install security camera for office vault in Accounting Dept.	9770G-01	10010-57100		04/01/2021	7/27/2021	07/31/2021	3,220.89	N/A	N/A	N/A	N/A	N/A	N/A
2021	GENERAL	OFFICE FURNITURE & EQUIPMENT	J372.09G	10010-57200		1/2/2021	12/31/2021	12/31/2021	41,223.25	N/A	N/A	N/A	N/A	N/A	N/A
2021	GENERAL	TRANSPORTATION EQUIPMENT	J373.09G	10010-57300		1/2/2021	12/31/2021	12/31/2021	361,881.91	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	NEW SERVICE INSTALLATIONS	5200L.40	10010-54500		1/2/2021	12/31/2021	12/31/2021	29,475.40	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	CONSTRUCT RESERVOIR NO. 1 EAST	7961L.17	10010-54200	PLANT 1	04/11/2018	12/31/2021	12/31/2021	967,940.05	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	CONSTRUCT WELL BUILDING FOR WELLS 1B,1D,1E AND	7961L.19	10010-51500	PLANT 1	07/02/2018	7/30/2021	07/31/2021	341,796.52	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL RESERVOIR EAST PIPING	7961L.22	10010-54200	PLANT 1	11/29/2018	1/19/2021	04/30/2021	212,539.58	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Construct surface drainage structure	7961L.29	10010-54200	PLANT 1	01/12/2021	4/14/2021	04/30/2021	36,739.45	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	PERMITTING AND RELATED WORK	7733L.3	10010-54500		12/03/2018	11/4/2021	11/30/2021	579.08	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	PROCURE TROJAN UVPHOX SYSTEM EQUIPMENT	8201L.2	10010-53200	PLANT W6	08/29/2017	7/16/2021	07/31/2021	4,379,560.26	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	OBTAIN DDW PERMIT FOR UV TREATMENT SYSTEM	8201L.7	10010-53200	PLANT W6	12/04/2019	7/30/2021	07/31/2021	607.99	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	SITE IMPROVEMENTS	8372L.12	10010-55100	PLANT 8	03/16/2020	7/30/2021	07/31/2021	232,623.39	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	WELD 37-3/8" GWBR PIPE	8454L.1	10010-54500		01/11/2015	5/26/2021	05/31/2021	21,297.65	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	PLANT B6 - REMODEL EXISTING BOOSTER BUILDING	8573L.1	10010-52100	PLANT B6	08/04/2015	12/31/2021	12/31/2021	253,318.13	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	GIS SYSTEM IMPROVEMENTS AND UPDATES	8848L.5	10010-57200		1/2/2021	12/31/2021	12/31/2021	39,739.95	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install land scaping and irrigation	8915L.2	10010-52100	PLANT B17	01/04/2021	12/31/2021	12/31/2021	270,596.10	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1,840' OF 6-5/8" GWBR PIPE IN BIG DALTON	9148L.1	10010-54500		07/27/2018	6/25/2021	07/31/2021	452,639.26	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 27-1"LONG & 25-1" SHT MUNIPEX DOMESTIC SERVICES	9148L.2	10010-54500		07/27/2018	6/25/2021	07/31/2021	86,620.39	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 2 - 6" FIRE HYDRANTS #4084E & #4085E	9148L.3	10010-54800		07/27/2018	6/25/2021	07/31/2021	17,444.30	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 690' OF 6-5/8" GWBR PIPE	9169L.1	10010-54500		07/27/2018	12/16/2021	12/31/2021	221,348.46	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 15-1" LONG & 20-1" SHORT MUNICIPEX DOMESTIC SERVICE	9169L.2	10010-54500		07/27/2018	12/16/2021	12/31/2021	39,181.93	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 - 6" FIRE HYDRANT #4085E	9169L.3	10010-54800		07/27/2018	12/16/2021	12/31/2021	8,891.39	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 725' OF 8-5/8" GWBR PIPE	9243L.1	10010-54500		01/02/2019	12/16/2021	12/31/2021	226,849.76	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 24-1" MUNICIPEX DOMESTIC SERVICES	9243L.2	10010-54500		01/02/2019	12/16/2021	12/31/2021	31,472.99	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 - 6" FIRE HYDRANT #4103E	9243L.3	10010-54800		01/02/2019	12/20/2021	12/31/2021	11,914.34	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALLED 554' OF 8-5/8" GWBR PIPE	9245L.1	10010-54500		01/02/2019	9/24/2021	09/30/2021	158,196.45	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 19-1"MUNICIPEX DOMESTIC SERVICES	9245L.2	10010-54500		01/02/2019	9/24/2021	09/30/2021	29,277.97	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 - 6" FIRE HYDRANT #4084E	9245L.3	10010-54800		01/02/2019	9/24/2021	09/30/2021	11,553.61	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1616' OF 6-5/8" GWBR PIPE	9246L.1	10010-54500		01/02/2019	12/20/2021	12/31/2021	226,193.09	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 28-1" MUNICIPEX DOMESTIC SERVICES	9246L.2	10010-54500		01/02/2019	12/16/2021	12/31/2021	46,497.02	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 2-6" FIRE HYDRANTS #4014E & #4015E	9246L.3	10010-54800		01/02/2019	12/20/2021	12/31/2021	26,640.21	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 8" GATE VALVE TO FIRE SERVICE CONN L42354	9296L.1	10010-54800		12/31/2018	4/14/2021	04/30/2021	21,668.59	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 2 UTILITY VAULTS AND RELATED PIPING	9296L.1	10010-54500		01/22/2019	8/2/2021	08/31/2021	92,740.14	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 2-2" DOMESTIC SERVICES	9296L.3	10010-54500		08/15/2019	12/15/2020	10/31/2021	6,871.57	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1-6" FIRE HYDRANT #4044E	9349L.1	10010-54800		08/15/2019	5/26/2021	05/31/2021	26,703.63	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALLED 949' OF 6-5/8" GWBR PIPE	9367L.1	10010-54500		09/12/2019	10/29/2021	12/31/2021	342,537.75	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 95-1" LONG & 11-1" SHORT SERVICES	9367L.2	10010-54500		09/12/2019	10/29/2021	11/30/2021	35,395.65	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 2 - 6" FIRE HYDRANTS #4110E and #4101E	9367L.3	10010-54800		09/12/2019	10/29/2021	11/30/2021	19,369.95	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 2414' -8-5/8" GWBR ,264'-6-5/8" GWBR,13'-12-3/4"GWBR	9375L.1	10010-54500		09/16/2019	12/31/2021	12/31/2021	454,967.58	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 44-1"S HORT SIDE & 18-1" LONG SIDE SERVICES	9375L.2	10010-54500		09/16/2019	12/31/2021	12/31/2021	169,795.57	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 2-6" FIRE HYDRANTS #4119E & #4117E	9375L.3	10010-54800		09/16/2019	12/31/2021	12/31/2021	23,905.93	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	RETROFIT PRODUCTION VALVES AT VARIOUS LOCATIONS	9393L.1	10010-54500		10/10/2019	4/20/2021	04/30/2021	65,141.67	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 - 4" BUTTERFLY VALVE - 6"-4-1/2" GWBR	9411L.1	10010-54500		11/04/2019	9/23/2021	09/30/2021	4,737.11	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 - 2" DOMESTIC SERVICE	9426L.4	10010-54500		12/04/2019	8/2/2021	11/30/2021	5,448.36	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1274' OF 8-5/8" GWBR PIPE, 1996' of 6-5/8" GWBR	9446L.1	10010-54500		12/19/2019	8/6/2021	09/30/2021	819,130.92	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 94 - 1" DOMESTIC SERVICES	9446L.2	10010-54500		12/19/2019	8/6/2021	09/30/2021	122,514.49	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 6 -6" F H 'S #'S 4087E 4088E 4089E 4090E 4091E 4092E	9440L.3	10010-54800		12/19/2019	8/6/2021	09/30/2021	61,211.47	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1,300' -8-5/8" GWBR PIPE, 1574'-6-5/8" GWBR	9441L.1	10010-54500		12/17/2019	12/16/2021	12/31/2021	378,574.21	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 161 - 1" DOMESTIC SERVICES	9441L.2	10010-54500		12/17/2019	12/20/2021	12/31/2021	221,308.32	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 6-6"FIRE HYD.'S #4106E,4107E,4103E,4109E,4116E&4113E	9441L.3	10010-54800		12/17/2019	12/16/2021	12/31/2021	52,019.34	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL SERVICES - PLASTIC SERVICE REPLACEMENT	9452L.1	10010-54500		1/2/2021	12/31/2021	12/31/2021	$89,464.50	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	RETROFIT VAULTS - 2020	9452L.2	10010-54500		1/2/2021	12/31/2021	12/31/2021	38,733.21	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 - 16" BUTTERFLY VALVE	9473L.2	10010-54500		02/18/2020	4/14/2021	04/30/2021	17,951.43	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	PROCURE ION EXCHANGE TREATMENT EQUIPMENT & RESIN	9475L.1	10010-53200	PLANT W6	02/06/2020	7/30/2021	07/31/2021	2,238,355.60	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL ION EXCHANGE TREATMENT SYSTEM	9475L.3	10010-53200	PLANT W6	02/06/2020	7/30/2021	07/31/2021	1,395,358.69	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1-4" BUTTERFLY VALVE	9476L.1	10010-54500		02/18/2020	4/14/2021	04/30/2021	4,676.18	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 - 6" BUTTERFLY VALVE	9476L.2	10010-54500		02/18/2020	10/26/2021	12/31/2021	4,566.18	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 3' OF 31-7/8" GWBR pipe and weld pipe to exist main	9480L.1	10010-54500		02/26/2020	11/9/2021	11/30/2021	53,166.77	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 - 4" & 1-4" BUTTERFLY VALVES, 6"X6"X4"TEE	9497L.1	10010-54500		03/09/2020	5/26/2021	06/30/2021	14,619.45	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	REPLACE BOWL ASSEMBLY ON BOOSTER PUMP G3B3	9513L.1	10010-52400	PLANT G3	03/13/2020	9/17/2021	09/30/2021	29,633.48	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Replace bowl assembly on booster pump G3B2	9513L.2	10010-52400	PLANT G3	09/14/2020	4/14/2021	04/30/2021	23,446.58	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Refurbish 75 HP USEH VSS Motor Serial No. 677126/X97K9160631	9563L.3	10010-52400	PLANT G3	01/18/2021	9/17/2021	09/30/2021	3,386.65	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 3' OF 6-5/8" GWBR PIPE	9564L.1	10010-54500		03/16/2020	3/26/2021	04/30/2021	11,102.75	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 3' OF 8" GWBR PIPE	9598L.1	10010-54500		03/23/2020	5/26/2021	06/30/2021	11,151.78	N/A	N/A	N/A	N/A	N/A	N/A

2021	LA	INSTALL 2 -2" SERVICES	9568L-2	10010-54500		03/23/2026	5/26/2021	06/30/2021	16,778.11	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 3 -3" BUTTERFLY VALVES AND	9569L-1	10010-54500		03/23/2026	4/26/2021	04/30/2021	25,241.21	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL BOWL ASSEMBLY FOR WELL B11B	9515L-1	10010-52400	PLANT B11	04/01/2020	3/8/2021	03/31/2021	40,557.71	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 5"OF 4-1/2" GWBR PIPE	9517L-1	10010-54500		04/06/2026	10/7/2021	10/31/2021	5,554.08	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 -1"DOMESTIC SERVICE WITH 1" METER	9527L-2	10010-54500		05/01/2020	9/24/2021	09/30/2021	2,183.96	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	PURHASE & INSTALL 10" HITACHI SUBMERSIBLE MOTOR	9533L-1	10010-52400	PLANT 12	05/11/2020	9/24/2021	09/30/2021	29,514.76	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install Allen Bradley 100 HP Starter	9533L-2	10010-52400	PLANT 12	05/11/2026	9/24/2021	09/30/2021	8,488.18	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Refurbish booster pump 12B1	9533L-3	10010-52400	PLANT 12	03/04/2021	9/24/2021	09/30/2021	7,303.96	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 1 -6" BUTTERFYLY VALVE 4"OF 6-5/8" GWBR PIPE	9551L-1	10010-54500		06/01/2020	5/26/2021	06/30/2021	23,919.57	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 14" OF 4-1/2" GWBR PIPE	9555L-1	10010-54500		06/19/2026	5/26/2021	05/31/2021	26,451.66	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install 1,966' +/- 8-5/8" GWBR	9559L-1	10010-54500		06/25/2026	9/24/2021	09/30/2021	738,719.92	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install 85-1" services	9559L-2	10010-54500		06/25/2026	9/24/2021	09/30/2021	96,965.75	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install 3-6" fire hydrants# 4893E, #4894E &#4895E	9559L-3	10010-54500		06/25/2026	9/24/2021	09/30/2021	31,967.93	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install 1-4" domestic service with 3" master meter	9573L-02	10010-54500		08/17/2026	10/7/2021	12/31/2021	22,591.68	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Refurbish Hatachi submersible motor Serial No. 6B9696H	9581L-01	10010-52400	PLANT 13	08/17/2020	1/27/2021	04/30/2021	30,969.35	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Master Plan - 2021	9586L-01	10010-57200		08/25/2026	12/31/2021	12/31/2021	593,115.27	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Hydraulic Model - 2021	9587L-01	10010-57200		08/24/2026	12/31/2021	12/31/2021	159,647.72	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Acquire B2B Land	9590L-01	10010-30600	PLANT B2B	07/01/2020	10/26/2021	10/31/2021	237,961.33	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Survey radio connection	9593L-01	10010-52400	PLANT M2	09/07/2026	4/14/2021	04/30/2021	3,507.92	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Survey radio connection	9594L-01	10010-52400	PLANT B2B	09/14/2026	4/14/2021	04/30/2021	3,507.92	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 18" of 4-1/2" GWBR PIPE	9601L-01	10010-54500		10/05/2026	6/8/2021	06/30/2021	31,022.02	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	INSTALL 3"OF 8-5/8" GWBR PIPE	9613L-01	10010-54500		10/05/2026	5/26/2021	05/31/2021	16,815.89	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install piping and fittings at effluent for M1B2	9619L-01	10010-52400	PLANT M1	10/19/2026	9/24/2021	09/30/2021	1,822.74	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install Allen Bradley soft starter for 11B5	9624L-01	10010-52400	PLANT 11	10/02/2026	4/14/2021	04/30/2021	7,159.64	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install 169' +/- 8-5/8" GWBR	9635L-01	10010-54500		11/16/2026	8/2/2021	09/30/2021	82,992.52	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install 200 HP U.S. Electrical Motor Serial No. C18-9488A-MA	9636L-01	10010-52400	PLANT B12	11/13/2020	9/23/2021	09/30/2021	24,631.53	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Replace three-phase leads to electrical panel for B12B4	9636L-02	10010-52400	PLANT B12	11/13/2020	9/23/2021	09/30/2021	6,905.78	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Refurbish 10" gate valve no. 659	9642L-01	10010-54500		12/03/2026	7/27/2021	07/31/2021	19,777.77	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install two 200 HP 480V Allen Bradley SMC Flex Soft Starters	9660L-03	10010-52400	PLANT B4	03/23/2021	4/14/2021	04/30/2021	16,892.68	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Video log Well & repair & replace pump equipment Well 10 D	9705L-03	10010-52400	PLANT 1	02/18/2021	9/25/2021	09/30/2021	123,618.46	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install Sulzer ABS XFP submersible sump pump for sewage lift	9715L-01	10010-52400	PLANT B5	03/02/2021	7/27/2021	07/31/2021	965.99	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Purchase and install gate and gate opener	9798L-01	10010-52100	PLANT 11	03/31/2021	11/3/2021	11/30/2021	13,333.11	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	SITE IMPROVEMENTS	9766L-04	10010-52100	PLANT 11	03/31/2021	11/1/2021	11/30/2021	5,101.69	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Purchase and install Rosemount 5705 Flanged magnetic sensor	9763L-01	10010-53200	PLANT B6	03/31/2021	9/24/2021	09/30/2021	4,348.12	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install split case pump for W681	9769L-01	10010-52400	PLANT W6	04/01/2021	11/9/2021	11/30/2021	21,899.66	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install security camera for El Monte Commercial Office	9771L-01	10010-57100		04/01/2021	9/23/2021	09/30/2021	11,261.34	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install security Camera for Whittier Commercial Office	9771L-03	10010-57100		04/01/2021	9/23/2021	09/30/2021	2,413.51	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install Kevlar paneling and mesh to lobby counter top	9778L-01	10010-57100		05/05/2021	8/2/2021	09/31/2021	11,761.71	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Purchase Tamtag Premium Eff. 50 HP motor for skimmer	9784L-01	10010-53200	PLANT B11	05/04/2021	9/24/2021	09/30/2021	3,579.17	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install 1-6" F, M, Hp 4898E	9801L-01	10010-54500		06/08/2021	11/9/2021	11/30/2021	21,967.35	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Refurbish AC compressor	9803L-01	10010-52400	PLANT 1	06/23/2021	7/27/2021	07/31/2021	5,189.64	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install OEM condenser fan motor and fan blade for AC unit	9804L-01	10010-52400	PLANT 11	06/23/2021	9/25/2021	09/30/2021	2,329.18	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Install 1 6" Butterfly Valve - Installed 5" of 6 5/8" GWBR	9819L-01	10010-54500		06/15/2021	11/9/2021	11/30/2021	5,754.18	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Central Basin Water Rights - Metro Water Systems 4.67AF	9822L-01	10010-30610		07/13/2021	7/27/2021	09/30/2021	65,494.32	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	Refurbish wire feeding the motor breaker on B24B4	9852L-01	10010-52400	PLANT B24	07/31/2021	9/25/2021	09/30/2021	1,384.99	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	WATER TREATMENT EQUIPMENT	J352.09L	10010-53200		1/2/2021	12/31/2021	12/31/2021	2,948.76	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	METERS	J346.09L	10010-54600		1/2/2021	12/31/2021	12/31/2021	1,191,359.66	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	OFFICE FURNITURE & EQUIPMENT	J372.09L	10010-57200		1/2/2021	12/31/2021	12/31/2021	11,618.73	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	REMOTE READING DEVICE	J372.29L	10010-57220		1/2/2021	12/31/2021	12/31/2021	54,945.00	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	TRANSPORTATION EQUIPMENT	J373.09L	10010-57300		1/2/2021	12/31/2021	12/31/2021	396,109.88	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA	TOOLS, SHOP & GARAGE EQUIPMENT	J378.09L	10010-57800		1/2/2021	12/31/2021	12/31/2021	28,596.46	N/A	N/A	N/A	N/A	N/A	N/A
2021	LA-Recycle	OUTSIDE CONSULTING SERVICES - ON-SITE RETROFIT	8990L8-1	10010-54500		03/23/2017	6/7/2021	06/30/2021	109,960.66	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	NEW SERVICE INSTALLATIONS - 2020	2020F-48	10010-54500		1/2/2022	12/31/2022	12/31/2022	23,504.75	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL CHLORINATION EQUIPMENT	5712F-18	10010-53200	PLANT F31	09/10/2014	3/8/2022	03/31/2022	12,971.04	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	WELL F31B - INSTALL SCADA PROGRAMMING	5712F-17	10010-52400	PLANT F31	09/10/2014	9/15/2022	09/30/2022	196,688.22	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	SITE IMPROVEMENTS	5712F-21	10010-52100	PLANT F31	07/17/2018	12/1/2022	12/31/2022	875,887.39	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	CONSTRUCT LANDSCAPING	5712F-27	10010-52100	PLANT F31	01/02/2020	12/1/2022	12/31/2022	315,917.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Dry Utilities	5712F-28	10010-52400	PLANT F31	07/01/2021	9/15/2022	09/30/2022	1,796,769.62	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	BOOSTER F13 B3 - INSTALL MOTOR	5830F-1	10010-52400	PLANT F13	01/14/2014	3/24/2022	03/31/2022	2,420.46	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	GIS SYSTEM IMPROVEMENTS AND UPDATES	6142F-5	10010-57200		1/2/2022	12/31/2022	12/31/2022	57,395.16	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 97'OF 17-5/8" GWBR PIPE	6245F-9	10010-54500		03/29/2018	3/4/2022	04/30/2022	47,175.85	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	PURCHASE SOFTWARE AND HARDWARE TO UPGRADE SCADA	6312F-2	10010-52400		12/05/2019	12/19/2022	12/31/2022	276,968.38	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	PERFORM PHASE II OF SCADA CONFIGURATION AND	6312F-3	10010-52400		06/16/2020	8/31/2022	08/31/2022	207,487.56	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALLED 11,480' OF 20 3/8" GWBR PIPE	6387F-1	10010-54500		11/19/2018	12/29/2022	12/31/2022	5,938,596.19	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	2019 FONTNA HYDRAULIC MODEL UPDATE	6428F-1	10010-57200		03/15/2019	6/17/2022	06/30/2022	1,815.18	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICE	6446F-4	10010-54500		05/31/2019	4/27/2022	05/31/2022	4,944.28	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICES	6446F-5	10010-54500		05/15/2019	5/04/2022	09/31/2022	4,915.29	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 4,226' OF 6-5/8" GWBR PIPE	6482F-1	10010-54500		09/27/2019	12/6/2022	12/31/2022	2,063,278.46	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 36 - 1" DOMESTIC SERVICES	6485F-2	10010-54500		09/27/2019	12/6/2022	12/31/2022	233,267.58	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 7 - 6" FIRE HYDRANTS	6482F-3	10010-54500		09/27/2019	12/6/2022	12/31/2022	69,211.55	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	REFURBISH F2 BOOSTER NO.3	6491F-1	10010-52400	PLANT F2	10/09/2019	12/19/2022	12/31/2022	14,188.93	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	REFURBISH 75HP US VSS MOTOR S/N Y81K3110Z77R-2	6491F-2	10010-52400	PLANT F2	10/02/2019	12/21/2022	12/31/2022	7,473.05	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1 - 2" domestic service with 2" meter	6516F-4	10010-54500		11/14/2019	5/28/2022	04/30/2022	5,376.78	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1 - 2" domestic service with 2" meter	6504F-3	10010-54500		11/29/2019	5/28/2022	07/31/2022	2,335.39	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL SERVICES -PLASTIC SERVICE REPLACEMENTS	6515F-1	10010-54500		1/2/2022	12/31/2022	12/31/2022	226,337.58	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	PURCHASE M-3 PERISTALTIC CHLORINE INJECTION PUMPS	6518F-1	10010-53200		01/08/2020	6/1/2022	06/30/2022	103,474.32	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	FURNISH AND INSTALL 69'0F 12" FUSIBLE C-900 PIPE	6525F-2	10010-54500	PLANT F32	03/02/2020	11/28/2022	12/31/2022	67,393.85	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Additional Cost required to complete	6527F-6	10010-54500		01/01/2022	3/8/2022	03/31/2022	156,364.73	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-4" Manifold service with 2-2" meters	6529F-2	10010-54500		01/04/2020	4/28/2022	09/30/2022	10,607.68	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 1-2" DDM 5 VC W/2" MTR (PLUG EXISTING SVC AT MAIN)	6535F-2	10010-54500		01/30/2020	7/19/2022	12/31/2022	3,949.87	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1 - 2" domestic service with 2" meter	6536F-2	10010-54500		02/06/2020	2/25/2022	03/31/2022	5,368.57	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Additional Cost required to complete paving	6547F-2	10010-54500		01/05/2022	5/16/2022	05/31/2022	41,347.32	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 2,106 LF Ã« of 25-3/8" GWBR	6566F-1	10010-54500		02/21/2020	12/19/2022	12/31/2022	1,897,121.91	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	REPLACE VARIOUS AIR VACS THROUGHOUT THE FONTANA	6561F-1	10010-54500		03/31/2020	6/1/2022	06/30/2022	22,266.46	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-6" domestic service with 6" meter	6565F-4	10010-54500		09/01/2020	5/16/2022	09/30/2022	42,342.74	N/A	N/A	N/A	N/A	N/A	N/A

2022	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICE WITH 1.5" METER	4596F-2	10010-54500		04/07/2020	8/30/2022	11/30/2022	2,702.97	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Purchase and install Kadronic A/C unit on Well F49A	6691F-01	10010-52400	PLANT F49	08/24/2020	6/1/2022	06/30/2022	12,393.92	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Inst 24" valve on 30" wall field line btwn Well F34A & F29A	6695F-01	10010-54500	PLANT F29	08/24/2020	5/3/2122	05/31/2022	29,973.63	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-4" domestic services with 4-meter	6696F-02	10010-54500		08/31/2020	8/30/2122	12/31/2022	23,171.29	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 5-1" domestic services with 1" meters	6696F-04	10010-54500		09/01/2020	5/31/2122	09/30/2022	4,464.95	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Perform Zonal Chemistry investigation on Well F4A	6810F-01	10010-52400	PLANT F4	09/01/2020	4/15/2122	04/30/2022	30,436.59	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Perform Zonal Chemistry investigation on Well F2A	6811F-01	10010-51500	PLANT F2	09/01/2020	5/3/2122	08/31/2022	46,537.81	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Purchase and install packer on well F2A	6811F-02	10010-51500	PLANT F2	05/01/2021	5/31/2122	08/31/2022	176,192.52	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Purchase and install packer on well F44B	6812F-02	10010-52400	PLANT F44	05/01/2021	3/24/2122	03/31/2022	146,861.03	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Pull, inspect and refurbish F19 Booster No. 2 pump	6813F-01	10010-32400	PLANT F19	09/01/2020	5/3/2122	05/31/2022	18,995.97	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install sump pump and associated equipment	9614F-01	10010-33200	PLANT F14	09/01/2020	5/3/2122	05/31/2022	13,819.19	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-2" domestic service with 2" meter	6815F-02	10010-54500		09/01/2020	2/16/2122	03/31/2022	3,470.03	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish 150 HP motor on Booster 4	6816F-01	10010-32400	PLANT F13	09/01/2020	4/26/2122	05/31/2022	29,125.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install620' Ã- of12-3/4" GWBR pipe	6629F-01	10010-54500		11/01/2020	3/9/2122	06/30/2022	14.01	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-2" domestic service with 2" meter	6629F-04	10010-54500		11/01/2020	3/9/2122	03/31/2022	3,906.99	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Additional paving to complete the project	6630F-05	10010-54500		06/29/2021	12/19/2022	12/31/2022	5,586.47	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 3 -4" domestic service	6631F-02	10010-54500		11/01/2020	11/22/2022	12/31/2022	33,918.39	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 2716' of 17-3/8" GWBR & 23' of 8-5/8" GWBR	6646F-01	10010-54500		12/01/2020	12/15/2022	12/31/2022	1,539,752.36	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Installed 26 services	6646F-02	10010-54500		12/01/2020	12/15/2022	12/31/2022	78,279.93	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 2-6" fire hydrants FH#6278F & 6277F	6666F-03	10010-54800		12/01/2020	12/15/2022	12/31/2022	25,959.95	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL MAIN	6647F-01	10010-54500		12/01/2020	8/5/2122	08/31/2022	1,196,101.92	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install services	6647F-02	10010-54500		12/01/2020	8/5/2122	08/31/2022	88,594.54	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 2-6" fire hydrants	6647F-03	10010-54800		12/01/2020	8/5/2122	08/31/2022	28,451.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL MAIN	6648F-01	10010-54500		12/01/2020	6/16/2122	06/30/2022	895,545.74	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install services	6648F-02	10010-54500		12/01/2020	6/16/2122	06/30/2022	75,829.61	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install fire hydrant	6666F-03	10010-54800		12/01/2020	6/16/2122	06/30/2022	15,907.67	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-1" domestic service w/ 1" meter	6662F-03	10010-54500		01/01/2021	3/7/2122	05/31/2022	5,099.23	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Purchase pipeline that connects Sandhill to San Bernardino V	6695F-01	10010-31600		02/01/2021	11/5/2122	09/30/2022	813,910.53	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish flash mixer pump at F14	6696F-01	10010-33200	PLANT F14	03/01/2021	6/1/2122	06/30/2022	9,469.43	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 57-1" services	6699F-01	10010-54500		03/01/2021	3/7/2122	05/31/2022	391,964.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 63-1" services	6700F-01	10010-54500		03/01/2021	5/18/2122	05/31/2022	330,024.52	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 2-6" fire hydrants	6711F-01	10010-54800		04/01/2021	9/1/2122	09/30/2022	22,744.37	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-2" domestic service with 1.5" meter	6713F-03	10010-54500		04/01/2021	11/16/2022	11/30/2022	3,887.15	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Purchase and install new Kadronic OEM blower motor for D E	6717F-01	10010-33200	PLANT F14	04/01/2021	4/26/2122	05/31/2022	2,264.76	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 2 free-standing crane systems	6731F-01	10010-33100	PLANT F14	05/01/2021	5/23/2122	04/30/2022	128,592.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Additional cost related to job 6732F-01	6732F-02	10010-54500		01/01/2022	5/25/2122	05/31/2022	1,486.51	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-2" domestic service w/ 1-1/2" meter	6743F-03	10010-54500		06/01/2021	10/3/2122	11/30/2022	3,802.02	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1-2" domestic service with 2" meter	6751F-02	10010-54500		06/01/2021	6/15/2122	06/30/2022	3,884.07	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 5,248' Ã- of 8-5/8" GWBR pipe	6761F-01	10010-54500		08/01/2021	12/21/2022	12/31/2022	667,563.49	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install services	6761F-02	10010-54500		08/01/2021	12/21/2022	12/31/2022	137,113.68	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6761F-03	10010-54800		08/01/2021	12/21/2022	12/31/2022	15,493.59	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1 - 1" sample station	6761F-04	10010-54500		08/01/2021	12/21/2022	12/31/2022	5,265.29	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish Well F49A diesel-assembly	6762F-01	10010-32400	PLANT F49	08/01/2021	4/1/2123	06/30/2023	184,827.99	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Well Motor Repair for F-49A	6762F-02	10010-32400	PLANT F49	01/01/2022	8/31/2122	09/30/2022	8,339.62	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish pump equipment on Well F44B	6763F-01	10010-32400	PLANT F44	09/01/2021	3/24/2122	03/31/2022	185,394.22	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	500HP 4P VHS Motor for Well F44B	6765F-02	10010-32400		11/01/2021	3/24/2122	05/31/2022	47,231.82	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Add roofing to storage area	6771F-01	10010-37100		09/01/2021	4/26/2122	05/31/2022	11,352.93	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Replace Variable Frequency drive on Well F27	6774F-01	10010-32400	PLANT F27	09/01/2021	4/26/2122	05/31/2022	8,329.82	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Purchase and install VFD for Well F32A	6784F-01	10010-32400		11/01/2021	12/19/2022	12/31/2022	17,169.64	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install new copper lines for well motor F2A	6793F-01	10010-32400	PLANT F2	12/01/2021	4/15/2122	04/30/2022	24,865.48	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Retrofit/remodel portion of existingbreak room	6795F-01	10010-37100	PLANT F14	12/01/2021	4/26/2122	05/31/2022	7,715.54	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Conduct reassessment/IT upgrades for Treatment superintendent o	6795F-02	10010-32400	PLANT F14	01/01/2022	4/26/2122	05/31/2022	4,145.54	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Purchase office furniture for newly constructed Treatment	6795F-03	10010-37200	PLANT F14	01/01/2022	4/26/2122	05/31/2022	5,329.78	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 12" meter and strainer on SWP supply line to Cemex	6803F-01	10010-54500	PLANT F31	01/01/2022	3/24/2122	05/31/2022	21,546.05	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Replace failing security camera	6804F-01	10010-37200		01/01/2022	12/19/2022	12/31/2022	1,603.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	2720' Ã- of 8-5/8" GWBR pipe, 200' Ã- 6-5/8" GWBR pipe	6808F-01	10010-54500		01/01/2022	12/29/2022	12/31/2022	742,897.84	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install services	6808F-02	10010-54500		02/01/2022	12/29/2022	12/31/2022	106,828.71	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6808F-03	10010-54800		02/01/2022	12/29/2022	12/31/2022	12,795.31	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Pull, pump, inspect, repair and replace materials to rehab we	6810F-01	10010-32400	PLANT F42	02/01/2022	12/19/2022	12/31/2022	43,979.75	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Plant F-42A well motor repair	6810F-02	10010-32400	PLANT F42	06/01/2022	12/19/2022	12/31/2022	5,029.27	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 79 - 1" services	6816F-01	10010-54500		02/01/2022	12/6/2022	12/31/2022	473,726.76	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 69 - 1" services	6817F-01	10010-54500		02/01/2022	12/29/2022	12/31/2022	246,261.25	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 66 - 1" services	6818F-01	10010-54500		02/01/2022	12/29/2022	12/31/2022	238,769.01	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 64- 1" services	6819F-01	10010-54500		02/01/2022	12/29/2022	12/31/2022	251,539.27	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 77- 1" services	6820F-01	10010-54500		02/01/2022	11/15/2022	11/30/2022	398,272.59	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 73 - 1" services	6821F-01	10010-54500		02/01/2022	12/29/2022	12/31/2022	343,196.15	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install new chain link fence	6827F-01	10010-32100	PLANT F17	02/01/2022	12/19/2022	12/31/2022	19,408.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish F-2 Fil Valve Actuator	6838F-01	10010-32400	PLANT F2	03/01/2022	9/2/2122	09/30/2022	6,728.82	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish pickup motor, overall and test	6841F-01	10010-32400	PLANT F40	04/01/2022	8/30/2122	09/30/2022	7,608.51	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish motor well F-40A	6841F-02	10010-32400	PLANT F40	04/01/2022	8/30/2122	09/30/2022	5,155.82	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install four new analog security PTZ cameras around F14 site	6845F-01	10010-37200	PLANT F14	04/01/2022	12/5/2122	12/31/2022	17,189.42	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 2,725LFÂ± of 17-3/8" GWBR pipe, 15LF of 12-3/4" GWBR	6851F-01	10010-54500		04/01/2022	12/29/2022	12/31/2022	977,397.26	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Installed 7 2" services	6850F-02	10010-54500		04/01/2022	12/29/2022	12/31/2022	41,231.64	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 1 6" FH	6850F-04	10010-54800		04/01/2022	12/29/2022	12/31/2022	14,033.75	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish two light fixtures at the Chemical Structure area	6854F-01	10010-33100	PLANT F14	04/01/2022	8/30/2122	09/30/2022	2,444.48	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish two manholes for fuel containment catch basin	6856F-01	10010-37100		04/01/2022	12/6/2122	12/31/2022	8,299.50	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish Variable Frequency Drive on Well F42	6871F-01	10010-32400	PLANT F42	05/01/2022	8/30/2122	09/30/2022	19,863.47	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish discharge pit	6875F-01	10010-33200	PLANT F23	05/01/2022	9/15/2122	09/30/2022	24,898.50	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish block heater unit	6879F-01	10010-33200	PLANT F14	06/01/2022	12/21/2022	12/31/2022	5,904.55	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish non-functionin SWP effluent sleeve valve	6880F-01	10010-33200	PLANT F14	07/01/2022	12/21/2022	12/31/2022	6,665.98	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install new fixed stationary kontech in-situ technology	6897F-01	10010-37200		08/01/2022	12/19/2022	12/31/2022	1,957.92	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install new fixed stationary kontech multi-technology	6898F-01	10010-37200	PLANT F14	08/01/2022	12/1/2122	12/31/2022	1,887.55	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Install 10, 5 foot deep by 16-inch round concrete anchors at	6903F-01	10010-33100	PLANT F23	08/01/2022	12/19/2022	12/31/2022	19,512.76	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Remove security light poles on-site to install new wiring	6909F-01	10010-32100	PLANT F21	08/01/2022	12/19/2022	12/31/2022	15,887.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	FONTANA	Refurbish control board module for Reypak boiler HVAC system	6921F-01	10010-37100		10/01/2022	11/15/2022	11/30/2022	2,208.33	N/A	N/A	N/A	N/A	N/A	N/A

2022	FONTANA	PUMPING EQUIPMENT	J324.09F	10010-32400		1/2/2022	12/1/2022	12/31/2022	12,154.79	N/A	N/A	N/A	N/A	N/A	N/A	
2022	FONTANA	WATER TREATMENT EQUIPMENT	J332.09F	10010-33200		1/2/2022	12/1/2022	12/31/2022	19,113.84	N/A	N/A	N/A	N/A	N/A	N/A	
2022	FONTANA	METERS	J346.09F	10010-34600		1/2/2022	12/1/2022	12/31/2022	684,745.83	N/A	N/A	N/A	N/A	N/A	N/A	
2022	FONTANA	OFRCE FURNITURE & EQUIPMENT	J372.09F	10010-37200		1/2/2022	12/1/2022	12/31/2022	27,913.37	N/A	N/A	N/A	N/A	N/A	N/A	
2022	FONTANA	TRANSPORTATION EQUIPMENT	J373.09F	10010-37300		1/2/2022	12/1/2022	12/31/2022	372,611.83	N/A	N/A	N/A	N/A	N/A	N/A	
2022	FONTANA	TOOLS, SHOP & GARAGE EQUIPMENT	J378.09F	10010-37800		1/2/2022	12/1/2022	12/31/2022	36,368.79	N/A	N/A	N/A	N/A	N/A	N/A	
2022	GENERAL	Replace 8 Sewers, 2 storage arrays, & install the	10122G-01	10010-37210		07/01/2022	12/29/2022	12/31/2022	548,071.63	N/A	N/A	N/A	N/A	N/A	N/A	
2022	GENERAL	Electrical Panel Replacement for Main Office Building	10038G-02	10010-37100		08/15/2022	12/29/2022	12/31/2022	33,940.64	N/A	N/A	N/A	N/A	N/A	N/A	
2022	GENERAL	Replace AC unit for Data Processing Office	10058G-01	10010-37100		09/27/2022	12/14/2022	12/31/2022	7,849.29	N/A	N/A	N/A	N/A	N/A	N/A	
2022	GENERAL	Purchase camera for the yard	10069G-01	10010-37200		06/28/2022	12/14/2022	12/31/2022	2,376.65	N/A	N/A	N/A	N/A	N/A	N/A	
2022	GENERAL	Install and program phone system upgrade	9870G-01	10010-37200		10/22/2021	12/14/2022	12/31/2022	72,939.19	N/A	N/A	N/A	N/A	N/A	N/A	
2022	GENERAL	OFRCE FURNITURE & EQUIPMENT	J372.09G	10010-37200		1/2/2022	12/31/2022	12/31/2022	143,653.51	N/A	N/A	N/A	N/A	N/A	N/A	
2022	GENERAL	TRANSPORTATION EQUIPMENT	J373.09G	10010-37300		1/2/2022	12/31/2022	12/31/2022	269,410.85	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install card reader to entrance at warehouse	10002L-01	10010-37200		06/21/2022	12/14/2022	12/31/2022	5,896.45	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 1 lf. of 12-3/4" GWBR pipe	10014L-01	10010-34500		07/12/2022	12/14/2022	12/31/2022	28,386.11	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Refurbish Air Stripper	10034L-03	10010-33200	PLANT 8	08/11/2022	12/14/2022	12/31/2022	35,993.72	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Electrical Panel Replacement for Main Office Building	10038L-04	10010-37100		08/15/2022	12/29/2022	12/31/2022	33,947.93	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Program SCADA comm. with Plant No. 1 to the corp. office	10057L-01	10010-32400	PLANT 1	09/21/2022	12/14/2022	12/31/2022	1,776.97	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Replace OEM Frame Fan motor for AC unit	10062L-01	10010-32400	PLANT 2	09/29/2022	12/14/2022	12/31/2022	4,316.52	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	NEW SERVICE INSTALLATIONS	5200L-40	10010-34800		1/2/2022	12/31/2022	12/31/2022	47,483.86	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	CONSTRUCT RESERVOIR	7944L-2	10010-34200	PLANT 14	09/05/2012	12/29/2022	12/31/2022	905,108.03	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL RESERVOIR PIPING	7944L-4	10010-34200	PLANT 14	07/23/2019	12/29/2022	12/31/2022	519,127.78	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL DRAIN PIPING AND RELATED APPURTENANCES	7944L-5	10010-34200	PLANT 14	10/21/2019	12/29/2022	12/31/2022	63,167.18	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	GIS SYSTEM IMPROVEMENTS AND UPDATES	8348L-5	10010-37200		1/2/2022	12/31/2022	12/31/2022	55,284.96	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install SCADA network cables to computer at the the trailer	8975L-8	10010-32400		01/01/2021	8/29/2022	09/30/2022	1,475.52	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	STETSON PROVIDES REVIEW OF DECUNING GROUNDWATER	8981L-1	10010-31500	PLANT B6	07/19/2017	12/31/2017	12/31/2022	52,401.39	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	STETSON PROVIDES SERVICES TO COMPLETE & SUBMIT	8981L-2	10010-33200	PLANT B6	09/19/2017	12/31/2017	12/31/2022	5,868.96	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALLED 1264 L.F. OF 6-5/8" GWBR PIPE	9131L-1	10010-34500		05/22/2018	11/30/2022	11/30/2022	337,650.96	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALLED 21-1" LONG SIDE & 34-1" SHORT SIDE SERVICES	9131L-2	10010-34800		05/22/2018	11/30/2022	11/30/2022	70,769.79	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	B6 PERCHLORATE IX SYSTEM VESSEL SLURRY OUT PIPE	9158L-1	10010-33200	PLANT B6	07/12/2018	9/1/2022	09/30/2022	52.32	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALLED 1989' OF 6-5/8" GWBR PIPE	9164L-1	10010-34500		07/18/2018	8/8/2022	08/31/2022	516,476.37	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 36-1" LONG SIDE & 24-1" SHORT SIDE DOMESTIC SERVICES	9164L-2	10010-34800		07/18/2018	8/8/2022	08/31/2022	69,271.96	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 4 -6" FIRE HYDRANTS #4131E,#4132E,#4133E&#4134E	9164L-4	10010-34800		11/20/2018	8/8/2022	08/31/2022	45,387.55	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install asphalt pavmnt & add'l work associated w Job 92441-1	9264L-6	10010-34500		12/13/2019	12/29/2022	12/31/2022	259,465.55	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 1 - 2" DOMESTIC SERVICE	9314L-4	10010-34800		12/04/2019	8/8/2022	08/31/2022	7,471.72	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install asphalt pavement associated with 9375L-1	9375L-6	10010-34500		01/11/2022	8/8/2022	08/31/2022	275,700.96	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALLED 2762 L.F. OF 8-5/8" GWBR PIPE	9423L-1	10010-34500		12/04/2019	11/30/2022	11/30/2022	419,290.28	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 24-1" LONG SIDE & 24-1" SHORT SIDE DOMESTIC SERVICES	9423L-2	10010-34800		12/04/2019	11/30/2022	11/30/2022	93,169.42	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 1 - 6" FIRE HYDRANT No. 4141E	9423L-3	10010-34800		12/04/2019	11/16/2022	12/31/2022	11,529.31	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL SERVICES - PLASTIC SERVICE REPLACEMENT	9452L-1	10010-34500		1/2/2022	12/31/2022	12/31/2022	351,239.49	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 1952 L.F. of 6-5/8" GWBR	9453L-1	10010-34500		01/02/2020	12/29/2022	12/31/2022	282,295.39	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 36-1" LONG SIDE & 14 - 1" SHORT SIDE SERVICES	9453L-2	10010-34800		01/02/2020	12/29/2022	12/31/2022	75,428.52	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 3 4"FIRE HYDRANTS #4160E & #4161E	9453L-4	10010-34800		09/07/2020	12/29/2022	12/31/2022	39,118.61	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 14" DOMESTIC SERVICE WITH 4" MASTER METER	9469L-2	10010-34800		01/29/2020	9/19/2022	09/31/2022	59,321.69	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 1 - 6" FIRE HYDRANT #4163E	9473L-1	10010-34800		02/06/2020	8/8/2022	08/31/2022	26,252.17	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	PROPOSITION 68 FUNDING APPLICATION FOR WELPFOS &	9475L-9	10010-33200	PLANT W6	12/01/2022	12/29/2022	12/31/2022	21,871.17	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	ION EXCHANGE TREATMENT EQUIPMENT AND RESIN	9483L-2	10010-33200	PLANT 2	02/20/2020	12/29/2022	12/31/2022	3,256,706.96	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	DESIGN, PERMITTING AND RELATED WORK TREATMENT FACILITY	9483L-3	10010-33200	PLANT 2	02/20/2020	12/29/2022	12/31/2022	138,377.44	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	ION EXCHANGE TREATMENT SYSTEM INSTALLATION	9483L-4	10010-33200	PLANT 2	02/20/2020	12/29/2022	12/31/2022	1,960,182.46	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 55' -17x3/8" GWBR PIPE, 72'-6-5/8" GWBR PIPE	9483L-5	10010-33200	PLANT 2	02/20/2020	12/29/2022	12/31/2022	84,253.93	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	PERFORM SCADA PROGRAMMING	9483L-6	10010-32400	PLANT 2	02/20/2020	12/29/2022	12/31/2022	39,647.15	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALLED 439' OF 6-5/8" GWBR PIPE	9487L-1	10010-34500		02/04/2020	11/30/2022	11/30/2022	138,282.68	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 8-1" LONG SIDE &8-1" SHORT SIDESERVICES	9487L-2	10010-34800		02/04/2020	11/30/2022	11/30/2022	36,313.69	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 1-4"DOMESTIC SERVICE W/3"METER	9493L-1	10010-34800		03/03/2020	3/18/2022	12/31/2022	5,113.30	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 1 - 2" DOMESTIC SERVICE	9494L-2	10010-34800		03/09/2020	9/8/2022	09/30/2022	5,025.53	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALLED 2297' 6-5/8"GWBR, 38'-6-5/8"WWBR,676'-8-5/8"GWBR	9504L-1	10010-34500		07/13/2020	8/29/2022	11/30/2022	711,945.09	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALLED 80- 1" DOMESTIC SERVICES	9504L-2	10010-34800		07/13/2020	8/29/2022	09/30/2022	146,767.15	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INST 7-6"F.H.#'S 4124E 4125E 4126E 4127E 4128E 4129E 4130E	9504L-3	10010-34800		07/13/2020	8/29/2022	09/30/2022	73,678.43	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALL 1-1" SERVICE TO EXISTING SAMPLE STATION	9564L-6	10010-34500		05/03/2021	8/29/2022	09/30/2022	2,538.45	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Field Mapplet Upgrade/ Consolidated USA Extension (PH-CUSA)	9573L-2	10010-37200		12/31/2020	3/18/2022	03/31/2022	3,939.56	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Master Plan Technical Services -2022	9586L-02	10010-37200		01/01/2022	12/29/2022	12/31/2022	33,327.79	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Hydraulic Model Technical Services- 2022	9587L-02	10010-37200		01/01/2022	12/29/2022	12/31/2022	66,822.12	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 1245' +/-8-5/8" GWBR,2379' +/- 6-5/8"GWBR	9591L-01	10010-34500		09/08/2020	12/29/2022	12/31/2022	555,145.64	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 47 1" single,46-1" short services	9591L-02	10010-34800		09/08/2020	12/29/2022	12/31/2022	199,628.14	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 9-6" fire hydrants	9591L-03	10010-34800		09/08/2020	12/29/2022	12/31/2022	98,445.78	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install one sample station lateral	9591L-06	10010-33200		12/07/2021	12/29/2022	12/31/2022	1,542.63	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 1-1" domestic service	9604L-02	10010-34800		09/28/2020	8/29/2022	09/30/2022	2,345.74	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 1-6" butterfly valve, 6' -6-5/8" GWBR	9610L-01	10010-34500		09/28/2020	8/8/2022	08/31/2022	12,433.54	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 1540' -8-5/8" GWBR, 2310' 6-5/8"GWBR	9624L-01	10010-34500		11/09/2020	12/29/2022	12/31/2022	1,236,569.45	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INSTALLED 2297' -6-5/8" GWBR PIPE	9644L-01	10010-34500		11/07/2020	8/8/2022	08/31/2022	696,928.59	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	INST 6-6" FIRE HYDRANTS #4118E,#4119E,#4120E,#4121E,#4122E	9644L-03	10010-34800		11/07/2020	8/8/2022	09/30/2022	68,682.75	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Installed 1984 Lf. of 8-5/8" GWBR, 441 lf. of 6-5/8" GWBR	9652L-01	10010-34500		11/07/2020	12/5/2022	12/31/2022	436,611.14	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 20-1" short side domestic services	9652L-02	10010-34800		11/07/2020	12/5/2022	12/31/2022	52,148.45	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Installed 1315' - 6-5/8" GWBR pipe	9658L-01	10010-34500		12/16/2020	12/29/2022	12/31/2022	458,286.52	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Inst 24-1"long side, 13-1"short side&2-2" long side services	9658L-02	10010-34800		12/16/2020	12/29/2022	12/31/2022	84,645.76	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 5-6" fire hydrants#4152E, 4154E, 4155E, 4156E&4157E	9658L-03	10010-34800		12/16/2020	12/29/2022	12/31/2022	68,829.40	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Rehabilitate well 2D - Bowl Assemblies	9670L-01	10010-32400	PLANT 2	12/30/2020	8/29/2022	09/30/2022	76,992.99	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Rehabilitate well 2F - Bowl Assembly	9670L-02	10010-32400	PLANT 2	12/30/2020	8/29/2022	09/30/2022	63,413.96	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Rehabilitate Well 1E - Bowl Assembly	9765L-02	10010-32400	PLANT 1	02/16/2021	9/8/2022	09/30/2022	196,976.21	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Inst. 1-6" butterfly valve, 5'-6-5/8"GWBR-Townley Dr. main	9754L-01	10010-34500		03/09/2021	8/8/2022	08/31/2022	11,360.75	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install 1-6" butterfly valve and 2.1 f. of 6-5/8" GWBR	9764L-01	10010-34500		03/30/2021	12/14/2022	12/31/2022	18,799.69	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install security surveillance system	9766L-02	10010-32100	PLANT 11	03/31/2021	7/28/2022	08/31/2022	31,029.41	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install electrical to gate opener	9766L-03	10010-32100	PLANT 11	03/31/2021	7/28/2022	09/30/2022	3,286.62	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install split case pump for W6B3	9769L-02	10010-32400	PLANT W6	03/31/2021	8/29/2022	09/30/2022	12,611.27	N/A	N/A	N/A	N/A	N/A	N/A	
2022	LA	Install install 1-8" double detector check valve assembly	9772L-01	10010-34810		03/31/2021	3/18/2022	12/31/2022	5,896.42	N/A	N/A	N/A	N/A	N/A	N/A	

2022	LA	Install 4'x4'x1" meter vault	9774L-01	10010-54500		04/06/2021	8/8/2022	08/31/2022	5,961.39	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 6'-4-1/2" GWBR pipe and 1-4" prv	9775L-01	10010-54500		04/15/2021	8/8/2022	08/31/2022	18,769.69	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish impeller and bearings for emergper #4	9782L-01	10010-53200	PLANT B6	05/05/2021	7/28/2022	08/31/2022	6,713.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install pump and submersible motor for B27B1	9787L-01	10010-32400	PLANT B27	05/11/2021	8/8/2022	08/31/2022	44,514.36	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install pump and 50 HP submersible motor for B27B2	9787L-02	10010-32400	PLANT B27	05/11/2021	8/8/2022	08/31/2022	44,454.25	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-36" butterfly valve, installed 3'-17-3/6" GWBR	9842L-01	10010-54500		06/14/2021	8/8/2022	08/31/2022	46,075.86	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-6" fire hydrant #4699E	9820L-01	10010-54800		07/12/2021	8/8/2022	08/31/2022	22,836.22	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 3'-12-3/4" GWBR	9825L-01	10010-54500		07/26/2021	7/28/2022	08/31/2022	13,826.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Overhaul 8" pressure reducing valve and repair 2" bypass	9826L-01	10010-54500		07/26/2021	8/29/2022	09/30/2022	7,246.43	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-6" gate valve	9830L-01	10010-54500		08/06/2021	8/8/2022	08/31/2022	17,363.76	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 36" PVC Y connection to Air Stripper	9841L-01	10010-53200	PLANT B	08/09/2021	7/28/2022	09/30/2022	39,221.88	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish B9B6 motor	9842L-01	10010-32400	PLANT B6	08/30/2021	7/28/2022	08/31/2022	11,207.64	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Purchase and Install Allen Bradley SMC Flex Starter for B5B3	9843L-02	10010-32400	PLANT B5	10/19/2021	7/28/2022	08/31/2022	11,183.65	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish 40/hp motor for Well B5E	9843L-01	10010-32400	PLANT B5	08/30/2021	7/28/2022	09/30/2022	4,694.60	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Inst bowl assembly, pump, column, shafts & retainers Well B5E	9843L-02	10010-32400	PLANT B5	09/23/2021	7/28/2022	09/30/2022	135,887.00	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 2-4" butterfly valves, installed 5'-4-1/2" GWBR	9844L-01	10010-54500		08/31/2021	8/8/2022	08/31/2022	17,960.71	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish US 125 HP motor for B8-4	9849L-01	10010-32400	PLANT 8	09/07/2021	7/28/2022	09/31/2022	21,264.24	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish refrigerant system for AC Unit	9859L-01	10010-32400	PLANT B12	09/30/2021	7/28/2022	08/31/2022	2,545.10	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Installed 75 L.f. of 8-5/8" GWBR pipe	9860L-01	10010-54500		10/04/2021	12/14/2022	12/31/2022	67,007.50	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Additional work to complete site improvements	9861L-01	10010-53100	PLANT 8	08/09/2021	5/8/2022	05/31/2022	104,886.94	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Purchase and install new pump, column and shaft for Well 8C	9862L-01	10010-32400	PLANT 8	10/08/2021	7/28/2022	09/30/2022	366,512.31	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish 100 HP VHS Motor for Well 8C	9862L-02	10010-32400	PLANT 8	03/15/2022	7/28/2022	08/31/2022	4,929.66	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish 20" step assembly meter	9872L-01	10010-32400	PLANT 1	11/08/2021	8/8/2022	08/31/2022	5,703.13	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 250 hp Allen Bradley Soft Starter to Well 1E	9875L-01	10010-32400	PLANT 1	11/15/2021	12/14/2022	12/31/2022	12,751.97	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install VFD for Air Stripper Blower	9876L-01	10010-53200	PLANT 8	11/17/2021	7/28/2022	09/30/2022	16,501.35	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install digital flow meter register to Well B25B	9877L-01	10010-32400	PLANT B25	11/17/2021	7/28/2022	08/31/2022	965.28	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install digital flow meter register to Well B26B	9877L-02	10010-32400	PLANT B26	11/17/2021	7/28/2022	08/31/2022	965.28	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 100 HP rated Allen Bradley VFD	9880L-01	10010-53200	PLANT W6	12/20/2021	8/29/2022	09/30/2022	23,638.28	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 100 HP rated Allen Bradley VFD	9881L-01	10010-32400	PLANT W1	12/20/2021	8/8/2022	08/31/2022	23,831.72	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish 18:1 discharge pipe	9887L-01	10010-32400	PLANT 1	01/07/2022	12/14/2022	12/31/2022	5,872.44	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Replace 3" meter	9888L-01	10010-54500		01/19/2022	12/14/2022	12/31/2022	3,311.89	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-16" butterfly valve, 6 l.f. at 10-3/4" GWBR pipe	9894L-01	10010-54500		02/01/2022	8/29/2022	09/30/2022	15,196.27	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-6" fire hydrant #4136E	9902L-01	10010-54800		02/10/2022	8/29/2022	09/30/2022	23,638.53	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Inst 80-1" service AS2-1" long side, 38-1" short side,1-2"1	9904L-01	10010-54500		02/14/2022	11/09/2022	12/31/2022	452,753.87	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 60-1" services - 31-1" long side, 29-1" short side	9906L-01	10010-54500		02/14/2022	12/22/2022	12/31/2022	246,194.52	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 59-1" services 27-1" long side & 32-1" short side	9907L-01	10010-54500		02/14/2022	12/29/2022	12/31/2022	228,608.11	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 82-1" services - 39-1" long side & 52-1" short side	9908L-01	10010-54500		02/14/2022	11/09/2022	12/31/2022	286,201.73	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install roofing for the Winter's office	9928L-01	10010-57100		03/07/2022	7/28/2022	08/31/2022	17,796.73	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-6" fire hydrant #4137E	9921L-01	10010-54800		03/02/2022	9/1/2022	09/30/2022	16,995.55	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Overhaul 12" pressure reducing valve	9927L-01	10010-54500	PLANT M2	03/21/2022	7/28/2022	08/31/2022	26,217.84	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Replace 1-16" butterfly valve and 16-8" joints at the IX	9930L-01	10010-53200	PLANT B5	03/28/2022	12/29/2022	12/31/2022	89,339.82	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 58-1" services 22-1"long side & 36-1" short side	9931L-01	10010-54500		03/30/2022	11/09/2022	11/30/2022	192,148.62	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 31-1" services	9932L-01	10010-54500		03/29/2022	12/29/2022	12/31/2022	196,509.65	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 41-1" services	9933L-01	10010-54500		03/29/2022	12/5/2022	12/31/2022	186,587.83	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-6" & 1-8" butterfly valve, 7'-8-5/8" GWBR pipe	9945L-01	10010-54500		04/15/2022	9/1/2022	09/30/2022	26,538.46	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 12" check valve FLG - Lever & spring to Well E	9947L-01	10010-32400	PLANT 8	04/19/2022	8/29/2022	09/30/2022	12,458.33	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Program EAP series C-more 12" Graphical OIT	9948L-01	10010-32400	PLANT 8	04/21/2022	9/1/2022	09/30/2022	6,850.00	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-6" fire hydrant #4142E	9963L-01	10010-54800		04/21/2022	9/1/2022	09/30/2022	37,255.63	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish B6B3 US VHS 200 Hp motor	9955L-01	10010-32400	PLANT B6	04/26/2022	8/8/2022	09/31/2022	20,978.96	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 2-6" butterfly valves, 5'- 6-5/8" GWBR pipe	9963L-01	10010-54500		05/03/2022	8/29/2022	12/31/2022	53,257.49	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish US 100HP motor for W6B4	9964L-01	10010-32400	PLANT W6	05/06/2022	8/8/2022	08/31/2022	26,180.33	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Replace prominent Gemma/Kckstone pump	9967L-01	10010-53200	PLANT G4	05/12/2022	12/14/2022	12/31/2022	2,413.12	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish US VHS 25H HP motor for Well D	9968L-01	10010-32400	PLANT B5	05/13/2022	8/8/2022	08/31/2022	31,824.84	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Replace 18" X 4" tee, Install 10'-10-3/4" GWBR pipe	9974L-01	10010-54500		04/01/2022	8/29/2022	09/30/2022	36,823.45	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-8" butterfly valve, 4 l.f. at 8-5/8" GWBR pipe	9977L-01	10010-54500		05/19/2022	8/29/2022	09/30/2022	18,376.19	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Inst 1-6"hse&4-6" butterfly valves&15 l.f. of 6-5/8"GWBR	9978L-01	10010-54500		05/20/2022	12/14/2022	12/31/2022	35,439.86	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Refurbish 125 HP VSS motor for B8S booster	9979L-01	10010-32400	PLANT 8	05/20/2022	12/14/2022	12/31/2022	12,728.89	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Modify PLC program to integrate a VFDto W6B2	9980L-01	10010-32400	PLANT W1	05/04/2022	10/6/2022	10/31/2022	12,863.14	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Modify PLC program to integrate a VFDto W6B2	9980L-02	10010-32400	PLANT W6	05/09/2022	10/6/2022	10/31/2022	12,388.39	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Replace digital meter for Well D	9986L-01	10010-32400	PLANT B5	06/02/2022	12/14/2022	12/31/2022	1,007.89	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Upgrade solid mechanical inlet rod to digital meter register	9987L-01	10010-32400	PLANT B24	06/02/2022	12/14/2022	12/31/2022	1,007.89	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	Install 1-6" fire hydrant #4144E	9989L-01	10010-54800		06/02/2022	9/1/2022	09/30/2022	18,028.46	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	PUMPING EQUIPMENT	J324.09L	10010-32400		1/2/2022	12/31/2022	12/31/2022	7,246.80	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	METERS	J346.09L	10010-54800		1/2/2022	12/31/2022	12/31/2022	1,463,111.44	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	OFFICE FURNITURE & EQUIPMENT	J372.09L	10010-57200		1/2/2022	12/31/2022	12/31/2022	16,845.44	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	TRANSPORTATION EQUIPMENT	J373.09L	10010-57300		1/2/2022	12/31/2022	12/31/2022	559,433.83	N/A	N/A	N/A	N/A	N/A	N/A
2022	LA	TOOLS, SHOP & GARAGE EQUIPMENT	J378.09L	10010-57800		1/2/2022	12/31/2022	12/31/2022	13,196.31	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	NEW SERVICE INSTALLATIONS - 2023	2609F-48	10010-54500		1/2/2023	12/31/2023	12/31/2023	102,368.77	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	GIS SYSTEM IMPROVEMENTS AND UPDATES	A145C-5	10010-57700		1/2/2023	12/31/2023	12/31/2023	71,947.39	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL NEW BATTERIES, VOLTAGE REGULATOR AND	6321F-1	10010-53200	PLANT 14	02/20/2018	6/28/2023	07/31/2023	13,103.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	DESIGN, PERMITTING AND RELATED WORK	6375F-1	10010-34200	PLANT F19	10/25/2018	9/5/2023	09/30/2023	389,695.81	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 24" mainline meter and vault	6375F-18	10010-34200	PLANT F19	07/01/2022	9/5/2023	09/30/2023	118,301.28	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install electrical for reservoir F19 east	6375F-19	10010-34200	PLANT F19	04/01/2023	9/5/2023	09/30/2023	64,695.65	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	CONSTRUCT RESERVOIR F19 EAST	6375F-2	10010-34200	PLANT F19	11/19/2018	9/5/2023	09/30/2023	3,688,896.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	RESERVOIR PIPING	6375F-4	10010-34200	PLANT F19	05/19/2028	9/5/2023	09/30/2023	1,209,965.46	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	DRAINAGE PIPING	6375F-5	10010-34200	PLANT F19	05/19/2028	9/5/2023	09/30/2023	365,235.15	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	DESIGN AND INSTALL AIR GAP	6389F-1	10010-54200	PLANT F44	11/01/2018	5/2/2023	05/31/2023	100,158.83	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 2-12" PSV stations at F59 and related piping	6387F-2	10010-32400	PLANT F59	07/01/2022	9/5/2023	09/30/2023	542,378.61	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 90° - 25-3/8" GWBR pipe (public footage)	6387F-6	10010-54500		05/01/2023	10/4/2023	10/31/2023	227,339.21	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	START UP AND TRAINING FOR TWO NEW PORTABLE	6394F-1	10010-57800		11/29/2018	11/9/2023	11/30/2023	3,795.64	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 2,952LFA1 of 12-3/4" GWBR pipe	6405F-1	10010-54500		04/29/2019	10/4/2023	10/31/2023	1,452,266.10	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 6 fire hydrants #'s 6318F&320F, 6321F, 6322F,	6405F-10	10010-54800		11/01/2022	2/27/2023	03/31/2023	137,588.67	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1-4" double check detector assembly	6405F-13	10010-54510		08/01/2023	10/4/2023	10/31/2023	25,296.34	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 15-1" services and 6-2" services	6405F-2	10010-54500		12/10/2019	10/4/2023	10/31/2023	96,276.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 6-6" FIRE HYDRANTS	6405F-3	10010-54800		12/19/2019	10/4/2023	10/31/2023	196,190.26	N/A	N/A	N/A	N/A	N/A	N/A

2023	FONTANA	Install 2-8" double check detector assemblies Â Â Â Â Â	6403F-6	19010-54510		12/19/2019	10/4/2023	11/30/2023	93,869.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Relocate 2 - 6" fire hydrants & install w/7 ft. hoses Â Â Â Â Â Â Â	6403F-9	19010-54800		07/01/2022	10/4/2023	11/30/2023	19,168.43	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REFURBISH WELL F23A Bowl Assembly	6423F-1	19010-32400	PLANT F13	03/04/2019	12/29/2023	12/31/2023	99,852.64	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	MOTOR LEAD WIRE REPLACEMENT FROM ELECTRICAL PANEL TO WELL	6423F-2	19010-32400	PLANT F13	03/07/2019	12/24/2023	12/31/2023	3,495.00	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 2,478 OF 17-3/8" GWBR PIPE	6423F-2	19010-54300		11/21/2019	9/5/2023	10/31/2023	114,838.68	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICES WITH 2" METERS	6425F-5	19010-54500		11/21/2019	9/5/2023	09/30/2023	4,239.92	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 1 - 2" COPPER DOMESTIC SERVICE (PARCEL 3)	6435F-14	19010-54500		04/01/2019	7/5/2023	07/31/2023	2,187.16	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 1 - 2" COPPER DOMESTIC SERVICE (PARCEL 1)	6435F-4	19010-54500		04/01/2019	7/5/2023	07/31/2023	3,110.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 1 - 2" COPPER DOMESTIC SERVICES (PARCEL 2)	6435F-9	19010-54500		04/01/2019	7/5/2023	08/31/2023	3,881.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	PERFORM A DELINEATING ZONAL FLOW AND CHEMISTRY	6475F-1	19010-31500	PLANT F23	07/31/2019	6/1/2022	04/30/2023	53,454.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install Packer	6475F-2	19013-31500	PLANT F23	02/18/2020	4/24/2023	04/30/2023	121,181.05	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Bowl and Equipment	6475F-3	19010-32400	PLANT F23	04/30/2020	4/24/2023	04/30/2023	121,594.23	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install Clayton Well F23A Exchange	6475F-4	19010-32400	PLANT F23	08/24/2020	4/3/2023	04/30/2023	6,403.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL CLAVALAND LOWER BOWLS	6481F-1	19010-32400	PLANT F34	09/27/2019	6/28/2023	07/31/2023	117,109.09	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REFURBISH WELL F13B	6490F-1	19010-32400	PLANT F13	10/09/2019	6/28/2023	07/31/2023	112,996.02	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REFURBISH F15 BOOSTER 6	6492F-1	19010-32400	PLANT F15	10/09/2019	11/9/2023	11/30/2023	27,796.05	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REFURBISH GENERATOR	6496F-1	19010-32400	PLANT F47	11/04/2019	11/9/2023	11/30/2023	7,231.48	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REFURBISH 500HP MOTOR S/N:I06-20024712-GT-03	6516F-1	19010-32400	PLANT F17	12/10/2019	6/28/2023	07/31/2023	43,865.50	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	CHLORINE AND NITRATE ALARM SCADA MODIFICATIONS AND	6512F-1	19010-32400		12/20/2019	4/5/2023	04/30/2023	31,864.81	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REPAIR ROOFTO SMALL RESERVOIR	6514F-1	19010-34200	PLANT F13	12/30/2019	4/14/2023	04/30/2023	5,827.78	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL SERVICES-PLASTIC SERVICE REPLACEMENTS	6519F-1	19010-54500		1/2/2023	12/31/2023	12/31/2023	273,611.33	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REMOVE AND INSTALL WELL F23A MOTOR	6526F-1	19010-32400	PLANT F23	01/14/2020	4/3/2023	04/30/2023	2,642.50	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REFURBISH WELL F23A MOTOR	6526F-2	19010-32400	PLANT F23	01/14/2020	4/5/2023	04/30/2023	44,329.63	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 3576 LF OF 8-5/8" GWBR & 97 LF OF WWBR PIPE	6531F-1	19010-54300		01/30/2020	12/29/2023	12/31/2023	1,258,346.71	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 27-1" LONG SIDE , 1-2" SHORT SIDE SERVICES	6531F-2	19010-54500		01/30/2020	12/29/2023	12/31/2023	110,570.36	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 1 -6" FIRE HYDRANT #6360F	6531F-3	19010-54800		01/30/2020	12/29/2023	12/31/2023	19,165.17	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REPLACE EXTERIOR HD IP CAMERA	6537F-1	19030-37100		02/04/2020	6/28/2023	07/31/2023	1,890.28	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REPLACE 8-INCH BACKFLOW DEVICE ON PLANT F19 GAC	6539F-1	19010-33200	PLANT F19	02/06/2020	1/31/2023	01/31/2023	11,917.64	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL MAIN	6542F-1	19010-54500		02/18/2020	12/29/2023	12/31/2023	1,835,176.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install services	6542F-2	19010-54500		02/18/2020	12/29/2023	12/31/2023	153,697.29	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL FIRE HYDRANTS	6542F-3	19010-54800		02/18/2020	12/29/2023	12/31/2023	56,816.54	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 1 AHUF OF 12-3/4" GWBR PIPE	6543F-1	19010-54300		02/18/2020	10/5/2023	10/31/2023	999,568.37	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install services	6543F-2	19010-54500		02/18/2020	10/5/2023	10/31/2023	36,246.24	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	2020 - FONTANA HYDRAULIC MODEL UPDATE	6516F-1	19010-37200		02/24/2020	6/28/2023	07/31/2023	1,194.55	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	PURCHASE AND INSTALL STORAGE RACK SYSTEM INSIDE	6553F-1	19010-37200		02/27/2020	6/28/2023	07/31/2023	11,923.95	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REMOVE AND REINSTALL 25HP MOTOR	6568F-1	19010-32400	PLANT F11	04/09/2020	1/31/2023	01/31/2023	2,201.77	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REFURBISH MOTOR S/N 20 7631406-6043	6568F-2	19030-32400	PLANT F11	04/09/2020	1/31/2023	01/31/2023	6,525.46	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	INSTALL 40' OF 8-5/8" GWBR	6576F-1	19010-54300		05/06/2020	6/28/2023	07/31/2023	19,165.49	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase and install packer on well F44B	6612F-02	19010-32400	PLANT F44	05/01/2021	3/24/2022	12/31/2023	78,337.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Pull, inspect, refurbish and test well F31A	6624F-01	19010-32400	PLANT F31	10/01/2020	4/14/2023	04/30/2023	124,000.47	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Implementation of Field Hoppler Consolidated USA Extension	6631F-01	19010-37600		11/01/2020	6/28/2023	07/31/2023	1,142.74	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 5781 l.f. of 8-5/8" GWBR pipe	6635F-01	19010-54300		11/01/2020	10/24/2023	11/30/2023	1,651,368.79	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 23 1" and 1-2" short side services	6635F-02	19010-54500		11/01/2020	10/24/2023	11/30/2023	76,465.68	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 2-6" fire hydrants #6368F and #6369F	6635F-03	19010-54800		11/01/2020	10/24/2023	11/30/2023	39,648.07	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1269' of 12-3/4" GWBR pipe 360 l.f. of 8-5/8 GWBR pi	6639F-01	19010-54300		11/01/2020	12/29/2023	12/31/2023	731,273.94	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 71 1" services	6639F-02	19010-54500		11/01/2020	12/29/2023	12/31/2023	325,122.39	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 5-6" fire hydrants 6375F, 6374F, 6376F	6639F-03	19010-54800		11/01/2020	12/29/2023	12/31/2023	63,547.46	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Installed 2,439' of 8-5/8" GWBR PIPE	6646F-01	19010-54300		11/01/2020	11/14/2023	11/30/2023	962,240.39	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Installed 29 - 1" LS services & 13 shrt side 1" services	6646F-02	19010-54500		11/01/2020	11/14/2023	11/30/2023	218,340.75	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install fire hydrants 6367F,6366F,6365F	6646F-03	19010-54800		11/01/2020	11/14/2023	11/30/2023	46,819.16	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1-6" domestic service with 6" meter	6654F-03	19030-54500		01/01/2021	6/23/2023	07/31/2023	41,347.46	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	New water pump and damper	6657F-01	19010-37200	PLANT F14	12/01/2020	4/14/2023	04/30/2023	1,971.74	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Plant Vault Retrofits at various plants	6671F-01	19010-32400		02/01/2021	12/21/2023	12/31/2023	24,668.63	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Service Vault Retrofits	6671F-02	19010-54500		02/01/2021	12/29/2023	12/31/2023	31,896.22	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Pressure Reducing Valve Vault Retrofit	6671F-03	19010-54500		02/01/2021	12/29/2023	12/31/2023	58,873.16	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1 -2" domestic service with 2" meter	6696F-07	19010-54500		10/01/2022	10/4/2023	10/31/2023	3,858.62	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 2 10" Double Check Valve Detector	6708F-01	19010-54510		03/01/2021	8/8/2022	03/31/2023	1,154.28	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1 2" domestic service	6765F-02	19010-54500		03/01/2021	8/8/2022	03/31/2023	3,326.28	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install permanent waste pipe to discharge pit on well F7B	6718F-01	19030-32400	PLANT F7	04/01/2021	11/28/2023	12/31/2023	13,840.83	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Booster number 4 rehabilitation	6729F-01	19030-32400	PLANT F17	05/01/2021	11/9/2023	11/30/2023	17,353.88	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish motor No. 4	6729F-02	19030-32400	PLANT F17	07/01/2021	11/9/2023	11/30/2023	4,456.62	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install potable water line for eye wash station	6758F-01	19010-33200	PLANT F14	06/01/2021	11/9/2023	11/30/2023	3,539.29	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish existing AC Unit on booster panel	6751F-01	19010-32400	PLANT F13	06/01/2021	11/9/2023	11/30/2023	1,324.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish and reinstall pump Refurbish and reinstall pump	6752F-01	19010-32400	PLANT F4	07/01/2021	10/5/2023	10/31/2023	33,762.37	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish booster No. 5	6766F-01	19030-32400	PLANT F19	09/01/2021	11/28/2023	12/31/2023	14,721.26	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish booster No. 5 motor	6766F-02	19010-32400	PLANT F19	10/01/2021	11/28/2023	12/31/2023	3,527.24	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish booster No. 6	6767F-01	19010-32400	PLANT F19	09/01/2021	11/28/2023	12/31/2023	14,721.26	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish Booster No. 6 motor	6767F-02	19010-32400	PLANT F19	10/01/2021	11/28/2023	12/31/2023	3,837.09	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Replace Variable Frequency drive on Well F23	6773F-01	19010-37600	PLANT F23	09/01/2021	10/5/2023	10/31/2023	12,385.88	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 6" backflow assembly	6776F-01	19010-33200	PLANT F14	09/01/2021	11/9/2023	11/30/2023	3,214.97	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish pumping equipment - Well F2A	6777F-01	19010-32400	PLANT F2	09/01/2021	10/5/2023	10/31/2023	89,188.78	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install Lucom surveillance	6778F-01	19010-37200	PLANT F15	09/01/2021	11/14/2023	11/30/2023	34,589.82	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase and Install conduit	6778F-02	19010-32400	PLANT F15	12/01/2021	12/12/2023	12/31/2023	28,116.22	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1-2" domestic service with 2" meter	6781F-03	19030-54500		10/01/2021	3/14/2023	03/31/2023	4,328.68	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1-2" domestic service with 2" meter	6781F-03	19030-54500		11/01/2021	12/21/2022	08/31/2023	5,703.83	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Additional work to complete paving	6789F-03	19030-54510		11/01/2021	6/23/2023	07/31/2023	3,533.24	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 36" Valve on 36" well field line between F-49 & F-50	6796F-01	19010-54300		12/01/2021	4/14/2023	04/30/2023	47,952.38	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Additional work to complete paving	6817F-02	19010-54500		02/01/2022	5/11/2023	05/31/2023	117,692.77	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Additional work to complete paving	6818F-02	19010-54510		04/01/2022	4/6/2023	04/30/2023	125,368.20	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Additional work to complete paving - services	6819F-02	19010-54500		04/01/2022	7/6/2023	07/31/2023	146,352.65	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 103-1" services(42-1" long side & 59-1" short side)	6822F-01	19010-54500		02/01/2022	7/5/2023	07/31/2023	485,539.02	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 79 - 1" services	6823F-01	19010-54500		02/01/2022	12/29/2023	12/31/2023	424,899.61	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 60 - 1" services	6824F-01	19010-54500		02/01/2022	11/14/2023	11/30/2023	409,321.52	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish Well F-44A	6835F-01	19010-32400	PLANT F44	03/01/2022	6/28/2023	07/31/2023	338,344.51	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish motor repair	6835F-02	19010-32400	PLANT F44	11/22/2022	6/28/2023	07/31/2023	9,893.40	N/A	N/A	N/A	N/A	N/A	N/A

2023	FONTANA	INSTALL 1 - 2" DOMESTIC SERVICE WITH 1-1/2" METER	6836F-03	19018-54500		03/01/2022	11/14/2023	11/30/2023	6,474.36	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1-4" domestic service with 3" meter	6846F-02	19010-54500		04/01/2022	12/12/2023	12/31/2023	48,166.38	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install the downstream discharge piping on Boosters P2184 an	6855F-01	19018-32400	PLANT F21	04/01/2022	5/11/2023	05/31/2023	67,791.76	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install and configure custom designed surveillance	6861F-01	19010-32400	PLANT F31	05/01/2022	12/12/2023	12/31/2023	41,318.79	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase and install Tank Mixer in F-46 reservoir	6860F-01	19010-54200	PLANT F46	05/01/2022	11/21/2023	12/31/2023	15,651.91	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1-2" landscape service with 2" meter	6874F-03	19010-54500		05/01/2022	10/4/2023	12/31/2023	5,451.39	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish AC compressor on Well F-28 electrical panel	6884F-01	19010-32400	PLANT F28	06/30/2022	11/28/2023	12/31/2023	5,904.51	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1 - 1" domestic service with 1-1/2" mete Â Â Â Â Â Â Â Â	6885F-02	19018-54500		07/01/2022	12/12/2023	12/31/2023	5,333.27	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1 -2" domestic service with 1-1/2" meter	6890F-02	19010-54500		08/01/2022	9/6/2023	12/31/2023	4,437.50	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1 - 2" domestic service with 2" meter	6893F-03	19010-54500		08/01/2022	12/29/2023	12/31/2023	6,696.58	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Security system upgrades	6896F-01	19010-37100	PLANT F14	08/01/2022	6/28/2023	07/31/2023	23,421.74	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Installation and integration of custom designed surveillance	6896F-01	19018-32400	PLANT F58	08/01/2022	12/12/2023	12/31/2023	26,266.64	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 2795 lf. of 0-5/8" GWBR pipe.	6900F-01	19010-54500		08/01/2022	12/29/2023	12/31/2023	900,736.32	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 2-4" fire hydrants #63779 and #63780	6900F-02	19010-54500		08/01/2022	12/29/2023	12/31/2023	34,216.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 32-1" services	6900F-03	19010-54500		08/01/2022	12/29/2023	12/31/2023	101,937.41	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase Nitrate Analyzer for Well 31A Reservoir effluent	6903F-01	19010-33200	PLANT F31	08/01/2022	10/5/2023	10/31/2023	36,693.16	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 3606 L.F. OF 13 3/4" GWBR	6904F-01	19010-54500		08/01/2022	10/24/2023	12/31/2023	796,227.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 41-1" & 3-2" services	6904F-03	19010-54500		08/01/2022	10/24/2023	12/31/2023	175,159.80	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase and install VFD for Well F54A	6906F-01	19010-32400		08/01/2022	10/4/2023	12/31/2023	31,273.05	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1,809' Â± of 8 - 5/8" GWBR pipe 7" of 6-5/8" GWBR	6910F-01	19018-54500		09/01/2022	12/29/2023	12/31/2023	814,781.64	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 5 -1" long side services " 15 -1" short side services	6910F-02	19018-54500		09/01/2022	12/29/2023	12/31/2023	58,794.29	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 1 - 6" fire hydrant #63739	6910F-03	19010-54500		09/01/2022	12/29/2023	12/31/2023	18,474.25	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Perform dynamic p-zella pasder Re-Location on F17C	6913F-01	19010-31500	PLANT F17	09/01/2022	9/6/2023	09/30/2023	226,597.74	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase and install 23" ultrasonic meter on mains to F14Â	6919F-01	19018-31600	PLANT F14	09/01/2022	11/21/2023	12/31/2023	13,824.55	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 64-1" services	6920F-01	19010-54500		09/01/2022	5/11/2023	05/31/2023	386,308.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish wiring harness for well electrical panel.	6923F-01	19010-32400		10/01/2022	11/28/2023	12/31/2023	5,996.52	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish Motor	6927F-01	19010-32400	PLANT F33	10/01/2022	2/17/2023	05/31/2023	15,544.91	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish surface igniter & flame sensor & leaking pump numb	6928F-01	19018-57100		10/01/2022	10/5/2023	10/31/2023	5,196.66	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 40-1" services	6929F-01	19010-54500		11/01/2022	7/5/2023	07/31/2023	438,302.62	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 62-1" services	6950F-01	19010-54500		11/01/2022	7/5/2023	07/31/2023	424,054.60	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish F19C - 350 HP US VHS Motor SN P16016677GGT-01	6932F-01	19018-32400	PLANT F19	11/01/2022	4/18/2024	07/31/2023	120,257.82	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install roof top anchors with non existing tie off points	6934F-01	19010-37100		11/29/2022	6/28/2023	07/31/2023	34,254.80	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish electrical wiring, lighting poles, new ground wire	6935F-01	19018-52100	PLANT F23	11/01/2022	11/21/2023	12/31/2023	8,244.17	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish Booster #1	6939F-01	19010-32400	PLANT F44	12/01/2022	6/28/2023	07/31/2023	43,228.54	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase and install a digital camera in building B	6940F-01	19010-37200		12/01/2022	10/5/2023	10/31/2023	2,315.27	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install 49-1" services	6944F-01	19010-54500		01/01/2023	12/29/2023	12/31/2023	324,846.61	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Adjust existing packer depth on well F17B	6950F-01	19010-32400		01/01/2023	12/12/2023	12/31/2023	53,996.63	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Adjust existing packer depth on well F44B align	6951F-01	19018-32400	PLANT F44	01/01/2023	6/28/2023	07/31/2023	102,142.72	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Replace damaged HP Communications, Inc. fiber & conduit	6952F-01	19018-32400	PLANT F15	01/01/2023	2/17/2023	05/31/2023	72,226.67	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase & install packer along "B" Horizon	6963F-01	19018-32400	PLANT F22	02/01/2023	12/29/2023	12/31/2023	101,264.07	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Network modification service to private DE Plant water	6968F-01	19018-32400	PLANT F14	03/01/2023	11/21/2023	12/31/2023	9,610.82	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish pumping equipment - Well F24A	6973F-01	19010-32400	PLANT F24	03/01/2023	10/5/2023	10/31/2023	92,875.83	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	disassemble, inspect, replace pump equipment	6974F-01	19010-32400	PLANT F17	03/01/2023	9/6/2023	09/30/2023	241,459.71	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	F13 Booster No. 6 Motor repair	6975F-01	19010-32400	PLANT F13	03/01/2023	11/28/2023	12/31/2023	19,696.16	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	F13 Booster No. 5 Motor repair	6976F-01	19010-32400	PLANT F13	03/01/2023	12/5/2023	12/31/2023	19,696.16	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install enclosure and glass door	6983F-01	19010-37100		04/01/2023	6/28/2023	07/31/2023	7,793.58	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish blower motor, capacitor and relay for headquarters	6992F-01	19010-37100		04/01/2023	6/28/2023	07/31/2023	1,471.95	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase new 480v motor starter/thermal overload	6995F-01	19018-33200	PLANT F14	04/01/2023	6/28/2023	07/31/2023	3,843.15	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish the existing building water pressure regulators	7005F-01	19010-37100		05/01/2023	6/28/2023	07/31/2023	4,365.89	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Purchase &install level transducers on F44A/F44B/F44C&F2A	7006F-01	19010-32400	PLANT F44	05/01/2023	12/27/2023	12/31/2023	23,962.98	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbishing equipment on Well F44C	7013F-01	19010-32400	PLANT F44	06/01/2023	10/4/2023	10/31/2023	161,433.35	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	REFURBISH ROOF & FRAMING STRUCTURE	7026F-01	19018-57100	PLANT F36	06/01/2023	9/5/2023	09/30/2023	11,637.77	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Install a new 3.5 ton Ducted Mini Split AC Unit	7038F-01	19010-37100		07/01/2023	10/4/2023	10/31/2023	16,982.13	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Crack fill, Seal Coat, and Restripe the entire parking lot	7039F-01	19010-37100		07/01/2023	10/5/2023	10/31/2023	45,338.48	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Remodeling engineering storage cla ses	7040F-01	19010-37200		08/01/2023	11/28/2023	12/31/2023	945.37	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	Refurbish faulty blower assembly and blower motor of rooftop	7044F-01	19018-33100	PLANT F14	08/01/2023	10/4/2023	10/31/2023	6,142.53	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	PUMPING EQUIPMENT	J324.08F	19018-32400		1/2/2023	12/12/2023	12/31/2023	74,811.81	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	WATER TREATMENT EQUIPMENT	J332.08F	19018-33200		1/2/2023	12/12/2023	12/31/2023	27,126.72	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	METERS	J346.08F	19010-34600		1/2/2023	12/31/2023	12/31/2023	1,311,248.90	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	OFFICE FURNITURE & EQUIPMENT	J372.08F	19018-37200		1/2/2023	12/12/2023	12/31/2023	52,149.82	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	TRANSPORTATION EQUIPMENT	J373.08F	19018-37300		1/2/2023	12/12/2023	12/31/2023	656,858.93	N/A	N/A	N/A	N/A	N/A	N/A
2023	FONTANA	TOOLS, SHOP & GARAGE EQUIPMENT	J378.08F	19018-37800		1/2/2023	12/31/2023	12/31/2023	418,237.81	N/A	N/A	N/A	N/A	N/A	N/A
2023	GENERAL	Upgrade to version 4.6 of Docunit and implement OCR scanning	1003EG-01	19018-37200		07/01/2022	12/26/2023	12/31/2023	27,452.51	N/A	N/A	N/A	N/A	N/A	N/A
2023	GENERAL	Upgrade R.T. Lawrence software to convert existing templates an	1012GG-01	19018-37210		01/01/2022	12/29/2023	12/31/2023	44,672.44	N/A	N/A	N/A	N/A	N/A	N/A
2023	GENERAL	Remodel Joel Reiker's office	1012BG-01	19010-37200		01/17/2023	12/26/2023	12/31/2023	16,502.21	N/A	N/A	N/A	N/A	N/A	N/A
2023	GENERAL	Replace network switches and supporting infrastructure	1016BG-01	19018-37200		03/01/2023	12/29/2023	12/31/2023	194,245.43	N/A	N/A	N/A	N/A	N/A	N/A
2023	GENERAL	Install AC units for Data Processing and Human Resources	1019EG-01	19018-37100		06/01/2023	12/29/2023	12/31/2023	16,817.27	N/A	N/A	N/A	N/A	N/A	N/A
2023	GENERAL	Purchase and install bollards the main office building.	9993G-01	19018-37100		06/06/2022	11/15/2023	11/30/2023	26,957.71	N/A	N/A	N/A	N/A	N/A	N/A
2023	GENERAL	OFFICE FURNITURE & EQUIPMENT	J372.08G	19018-37200		1/2/2023	12/12/2023	12/31/2023	157,210.85	N/A	N/A	N/A	N/A	N/A	N/A
2023	GENERAL	TRANSPORTATION EQUIPMENT	J373.08G	19018-37300		1/2/2023	12/21/2023	12/31/2023	317,907.58	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Install B681 bowl assembly	19113L-01	19010-32400	PLANT B6	07/11/2022	12/5/2023	12/31/2023	24,816.62	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Refurbish B681 motor	19113L-02	19010-32400	PLANT B6	01/19/2023	12/27/2023	12/31/2023	6,792.58	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Replace 2" manifold risers	19112L-01	19010-54500		07/12/2022	11/15/2023	11/30/2023	5,537.87	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Refurbish Well 1B Bowl Assembly	19102L-01	19010-32400	PLANT 1	07/27/2022	12/13/2023	12/31/2023	152,940.28	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Install 1-6" butterfly valve	19126L-01	19010-34500		08/01/2022	10/19/2023	10/31/2023	46,996.87	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Refurbish 10" Fire service Conn L39329 Job 36596	19146L-01	19010-54510		08/22/2022	12/29/2023	12/31/2023	67,219.63	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Install 1-6" fire hydrant #4159E	19143L-01	19010-54500		08/22/2022	12/18/2023	12/31/2023	33,525.49	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Replace riser for fire hydrant 2523E	19154L-01	19010-54500		09/13/2022	11/15/2023	11/30/2023	12,038.56	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Installed 20' 6" C-900 PVC pipeline (Not footage)	19155L-01	19010-53200		09/16/2022	5/16/2023	05/31/2023	68,464.23	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Installed 3 L.F. OF 6 5/8" GWBR PIPE	19163L-01	19010-54500		09/27/2022	11/29/2023	12/31/2023	4,576.66	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Install 61-1" services	19173L-01	19010-54500		10/01/2022	10/5/2023	10/31/2023	318,108.67	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Install 65 -1" services	19174L-01	19010-54500		10/01/2022	10/5/2023	10/31/2023	238,441.99	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Install 12-1" long side and 24-1" short side services	19175L-01	19010-54500		10/01/2022	9/11/2023	09/30/2023	175,468.20	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Refurbish the discharged head and shaft for Well 8F	19095L-01	19010-32400	PLANT 8	11/17/2022	12/5/2023	12/31/2023	9,029.96	N/A	N/A	N/A	N/A	N/A	N/A
2023	LA	Installed 5 L.F OF 4-1/2" GWBR PIPE & 3 L.F. OF 6-5/8" GWBR	19104L-01	19010-54500		11/23/2022	11/29/2023	12/31/2023	19,108.88	N/A	N/A	N/A	N/A	N/A	N/A

2023	LA	Install 27-1" long side and 36-1"short side services	19107L-01	19010-54500		11/01/2022	10/30/2023	11/30/2023	238,494.05	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 39-1" long side and 29-1"short side services	19114L-01	19010-54500		12/01/2022	12/29/2023	12/31/2023	283,171.37	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 118-1" services	19116L-01	19010-54500		12/01/2022	10/30/2023	11/30/2023	478,645.62	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace pressure transmitter for Vessel 270A	19118L-01	19010-53200	PLANT 2	12/21/2022	12/5/2023	12/31/2023	3,138.34	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install two aluminum gates	19121L-01	19010-52100	PLANT 5	01/04/2023	12/29/2023	12/31/2023	35,514.76	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install roofing to production building	19126L-01	19010-52100	PLANT 2	01/09/2023	12/5/2023	12/31/2023	16,880.53	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install roofing to treatment building	19126L-02	19010-53100	PLANT 2	01/12/2023	12/5/2023	12/31/2023	4,778.60	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish motor for EB2 booster	19127L-01	19010-52400	PLANT 5	01/11/2023	12/27/2023	12/31/2023	16,218.94	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install pump assembly to WSD	19132L-02	19010-52400	PLANT W6	01/19/2023	12/13/2023	12/31/2023	71,577.33	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace faulty motor for Well 11D	19134L-01	19010-52400	PLANT 11	01/23/2023	12/27/2023	12/31/2023	16,692.86	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish air stripper blower motor	19144L-01	19010-53200	PLANT 5	02/02/2023	12/27/2023	12/31/2023	9,296.48	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Pave drainage area	19151L-01	19010-52100	PLANT 11	02/21/2023	12/27/2023	12/31/2023	8,852.80	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	WATER RIGHTS 8.36AF@23,154.96 ESTATE OF SUSAN ANDRADE	19152L-01	19018-30610		02/01/2023	4/30/2023	04/30/2023	176,854.97	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase cubicle for mobile trailer "A"	19156L-01	19010-57200		03/02/2023	12/27/2023	12/31/2023	4,018.91	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace chlorine tanks	19158L-01	19010-53200	PLANT B5	03/13/2023	12/27/2023	12/31/2023	16,596.16	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish Well 8D motor	19169L-01	19010-52400	PLANT 8	03/16/2023	12/27/2023	12/31/2023	16,758.52	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace pump bearings to Well 8 (18 pump	19343L-01	19010-52400	PLANT B15	03/22/2023	12/13/2023	12/31/2023	34,249.99	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace air stripper Booster No. 1 pump	19165L-01	19010-53200	PLANT 5	03/22/2023	12/29/2023	12/31/2023	54,291.04	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install chlorine pump	19177L-01	19010-53200	PLANT B5	04/05/2023	12/27/2023	12/31/2023	6,969.43	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish Well 8 (18 pump motor	19182L-01	19010-52400	PLANT B13	04/25/2023	12/27/2023	12/31/2023	8,774.61	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Renovate the interior and exterior structure of the WCO	19185L-01	19010-57100		05/01/2023	12/27/2023	12/31/2023	7,595.08	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Pull, inspect and refurbish M1 booster 2 motor	19196L-01	19010-52400	PLANT M1	05/01/2023	12/27/2023	12/31/2023	8,202.71	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install two 750 gallon dual sodium hypochlorite tanks	19202L-01	19018-53200	PLANT 1	06/07/2023	12/27/2023	12/31/2023	17,317.46	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish B12B3 pump	19203L-01	19010-52400	PLANT B12	05/19/2023	12/13/2023	12/31/2023	38,127.79	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install lead wires for electrical panels for booster station	19214L-01	19010-52400	PLANT B24	05/03/2023	12/27/2023	12/31/2023	3,967.62	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Controls to download Montebello 2 SCADA	19216L-01	19010-52400		06/01/2023	12/27/2023	12/31/2023	15,879.71	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase a spare submersible booster pump and motor assembly	19210L-01	19018-52400	PLANT 13	06/01/2023	12/15/2023	12/31/2023	43,882.22	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install domestic services	19211L-01	19010-54500		07/01/2023	12/31/2023	12/31/2023	240,124.63	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 2" Flushout	19211L-03	19010-54500		09/01/2023	12/31/2023	12/31/2023	2,015.77	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish 15HP Motor for Well 2D	19217L-01	19010-52400	PLANT 2	07/01/2023	12/27/2023	12/31/2023	7,488.04	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace AC unit in the UV Building	19218L-01	19010-53100	PLANT B5	07/01/2023	12/27/2023	12/31/2023	5,702.05	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install motor load s from starter cabinet to the motor for Bo	19219L-01	19018-52400	PLANT B12	07/01/2023	12/27/2023	12/31/2023	3,250.42	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish Motor for Booster 3 at Plant B18	19221L-01	19010-52400	PLANT B18	08/01/2023	12/27/2023	12/31/2023	3,396.86	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish Booster 2 and Booster 3	19225L-01	19010-52400	PLANT B12	08/01/2023	12/27/2023	12/31/2023	20,763.30	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Water Rights-Main Basin 227AFWilliam J. Knight Living TrustÂ	19237L-01	19018-30610		08/15/2023	11/30/2023	11/30/2023	6,242,769.06	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace starter for backup generator	19245L-01	19010-52400	PLANT M2	09/01/2023	12/27/2023	12/31/2023	11,969.28	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish backup generator	19249L-01	19010-52400	PLANT B29	09/01/2023	12/27/2023	12/31/2023	4,083.64	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	NEW SERVICE INSTALLATIONS	52301-40	19010-54500		1/2/2023	12/31/2023	12/31/2023	57,637.17	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install replacement booster station valves	7944L-10	19010-52400	PLANT 14	07/01/2022	12/28/2023	12/31/2023	36,564.38	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	RETROFIT EXISTING RESERVOIR	7944L-5	19010-54200	PLANT 14	07/23/2019	12/29/2023	12/31/2023	1,091,869.00	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install additional tank to tank piping	7944L-9	19010-54200	PLANT 14	07/01/2022	12/28/2023	12/31/2023	96,313.63	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	GIS SYSTEM IMPROVEMENTS AND UPDATES	8848L-5	19030-57200		1/2/2023	12/31/2023	12/31/2023	87,441.67	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	DESIGN, PERMITTING AND RELATED WORK	9218L-1	19010-54200	PLANT M3	11/20/2018	10/5/2023	10/31/2023	66,177.23	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	CONSTRUCT RESERVOIR M3 EAST	9218L-10	19010-54200	PLANT M3	12/03/2019	11/15/2023	11/30/2023	1,464,666.36	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL MAIN FROM LOS AMIGOS TO M3 PARCEL	9218L-3	19010-54500	PLANT M3	11/20/2018	10/19/2023	10/31/2023	764,834.48	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL PIPING TO EXISTING M3 RESERVOIR	9218L-5	19010-54200	PLANT M3	11/20/2018	10/19/2023	10/31/2023	135,125.28	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	REFURBISH WELL B25A MOTOR S/N 488538	9402L-1	19010-52400	PLANT B25	10/18/2019	5/31/2023	04/30/2023	576.45	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL 880 'OF 6-3/8" GWBR PIPE	9433L-1	19010-54500		12/10/2019	6/26/2023	07/31/2023	359,284.22	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL 9 - 1" DOMESTIC SERVICES	9433L-2	19010-54500		12/10/2019	6/26/2023	07/31/2023	19,776.94	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 1 1" short side service for sampling station	9433L-6	19010-53200		12/10/2019	6/26/2023	07/31/2023	5,186.18	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL SERVICES - PLASTIC SERVICE REPLACEMENT	9452L-1	19010-54500		1/2/2023	12/31/2023	12/31/2023	961,924.28	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	PAVEMENT ASSOC WITH 108 9453L-1	9453L-6	19010-54200		02/01/2023	6/23/2023	07/31/2023	137,512.67	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install spare motor to Well B11B	9455L-2	19010-52400	PLANT B11	08/26/2021	8/9/2022	02/28/2023	5,493.53	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALLED 2194' LF OF 12-3/4" GWBR PIPE,27' LF OF 8-5/8"GWBR	9463L-1	19018-54500		01/23/2020	10/5/2023	10/31/2023	1,909,262.21	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALLED 9-1" AND 5-2" SERVICES	9463L-2	19010-54500		01/23/2020	10/5/2023	10/31/2023	57,148.57	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALLED 6 -6" FIRE HYDRANTS #'S 4223E,4224E,4225E,4226E,	9463L-3	19010-54500		01/23/2020	10/5/2023	10/31/2023	96,588.59	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install services	9465L-1	19010-54500		01/01/2018	10/5/2023	10/31/2023	255,541.54	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL FIRE HYDRANTS	9468L-2	19010-54500		01/01/2018	10/5/2023	10/31/2023	49,967.61	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	SITE IMPROVEMENTS	9481L-8	19010-53100	PLANT 2	02/01/2021	12/12/2023	12/31/2023	176,868.54	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL 1148' OF 6-5/8" GWBR	9489L-1	19010-54500		02/24/2020	12/29/2023	12/31/2023	591,259.45	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL 6-2" long side and 12-1" short side services	9489L-2	19010-54500		02/24/2020	12/29/2023	12/31/2023	65,242.62	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL 1 - 1" SERVICE	95171-2	19010-54500		04/06/2020	1/31/2023	01/31/2023	4,564.91	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Additional work to complete paving associated with 9591L-01	9591L-07	19018-54500		01/01/2023	4/14/2023	04/30/2023	354,171.78	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase City of Montebello system - Land	9616L-02	19010-30610		01/01/2023	2/28/2023	02/28/2023	5,161,626.18	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase City of Montebello system - Wells	9616L-03	19010-31500		01/01/2023	2/28/2023	02/28/2023	87,951.16	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase City of Montebello system - Raise mains	9616L-04	19010-54200		01/01/2023	2/28/2023	02/28/2023	3,387,465.16	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase City of Montebello system - Booster Stations	9616L-05	19010-52400		01/01/2023	2/28/2023	02/28/2023	893,951.89	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase City of Montebello system - Distribution Mains/Valv	9616L-06	19010-54300		01/01/2023	2/28/2023	02/28/2023	6,891,725.43	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase City of Montebello system - Fire Hydrants	9616L-07	19010-54500		01/01/2023	2/28/2023	02/28/2023	315,467.75	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase City of Montebello system - Meters	9616L-08	19010-54600		01/01/2023	2/28/2023	02/28/2023	967,723.89	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase City of Montebello system - Fire Services	9616L-09	19010-54510		01/01/2023	2/28/2023	02/28/2023	189,623.67	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 753' +/- 8-5/8" GWBR	9625L-01	19010-54300		11/07/2020	10/4/2023	10/31/2023	432,696.56	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install services	9625L-02	19010-54500		11/07/2020	10/4/2023	10/31/2023	62,409.00	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 75-1" long & 50-1" short side services	9641L-02	19010-54500		11/16/2020	12/29/2022	04/30/2023	286,691.95	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Inst 12-6" f.h. #4159E,#4360E,#4361E,#4362E,#4363E,#4364E	9641L-03	19010-54500		11/16/2020	12/29/2022	06/30/2023	127,535.50	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	INSTALL 46-1" LONG SIDE & 23-1" SHORT SIDE SERVICES	9644L-02	19010-54500		11/07/2020	8/8/2022	04/30/2023	89,968.01	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 1932' 6-5/8" GWBR Pipe,71' 8-5/8"GWBR Pipe	9645L-01	19010-54300		11/07/2020	10/30/2023	11/30/2023	696,380.67	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 54-1" long side & 29-1" short side services	9645L-02	19010-54500		11/07/2020	10/30/2023	11/30/2023	136,659.18	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 3-6" fire hydrants#s 4235E, 4236E & 4237E	9646L-03	19010-54800		11/07/2020	10/30/2023	11/30/2023	45,809.61	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 2135' OF 6-5/8" GWBR AND 26' OF 8-5/8"GWBR PIPE	9647L-01	19018-54300		11/07/2020	12/29/2023	12/31/2023	727,768.21	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 36-1"long side and 36-1"short side domestic services	9647L-02	19010-54500		11/07/2020	12/29/2023	12/31/2023	175,887.22	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 2-6" fire hydrants#s 4248E and 4249E	9647L-03	19010-54800		11/07/2020	12/29/2023	12/31/2023	31,573.61	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Installed 1902' of 8-5/8 GWBR and 1079' of 6-5/8 GWBR	9650L-01	19010-54300		11/07/2020	12/31/2023	12/31/2023	622,839.74	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 77-1" domestic services	9650L-02	19010-54500		11/07/2020	12/31/2023	12/31/2023	399,854.30	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 5-6" fire hydrants#s 4232E,4233E,4234E,4235E,4236E	9650L-03	19010-54800		11/07/2020	12/31/2023	12/31/2023	86,669.42	N/A	N/A	N/A	N/A	N/A	N/A	

2023	LA	Installed 2,267 LF-6-5/8" GWBR pipe, 296 LF- 8-5/8" GWBR pip	9657L-01	10010-54500		12/16/2020		12/29/2023	12/31/2023	947,823.55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 75-1" domestic services	9657L-02	10010-54500		12/16/2020		12/29/2023	12/31/2023	171,403.99	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 7-6" fire hydrants Nos 4230E,4230F,4240E,4241E,4242	9657L-03	10010-54500		12/16/2020		12/29/2023	12/31/2023	107,990.52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 823' Â± 6-5/8" GWBR pipe & 481' Â± 12-3/4" GWBR	9659L-01	10010-54500		12/16/2020		12/29/2023	12/31/2023	559,323.38	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install services	9659L-02	10010-54500		12/16/2020		12/29/2023	12/31/2023	36,981.77	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 2-6" fire hydrants	9659L-04	10010-54500		02/01/2023		12/29/2023	12/31/2023	35,059.54	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Vineland Ave. at Walnut Creek Bridge Crossing Refurb.	9694L-01	10010-54500		01/27/2021		11/15/2023	11/30/2023	89,802.65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Palmolquito Avenue at Walnut Creek Bridge Crossing Refurb.	9694L-02	10010-54500		01/27/2021		11/15/2023	11/30/2023	39,112.71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Dalewood Street a Big Dalton Bridge Crossing Refurbishment	9694L-03	10010-54500		01/27/2021		11/15/2023	11/30/2023	96,684.02	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Big Dalton at Walnut Creek Bridge Crossing Refurbishment	9694L-04	10010-54500		01/27/2021		11/15/2023	11/30/2023	37,811.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Puente Avenue at Walnut Creek Bridge Crossing Refurbishment	9694L-05	10010-54500		01/27/2021		11/15/2023	11/30/2023	45,367.07	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	7th Avenue at San Jose Creek Bridge Crossing Refurbishment	9694L-06	10010-54500		01/27/2021		11/15/2023	11/30/2023	45,154.12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Garvey Ave. at Rio Hondo Bridge Crossing Refurbishment	9694L-08	10010-54500		01/27/2021		11/15/2023	11/30/2023	105,865.22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Ramona Boulevard at San Gab. Channel Bridge Crossing Refurb.	9694L-09	10010-54500		01/27/2021		11/15/2023	11/30/2023	151,288.26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Walnut Grove Ave. at Alhambra Bridge Crossing Refurbishment	9694L-10	10010-54500		01/27/2021		11/15/2023	11/30/2023	53,666.18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 1-4" domestic services	9751L-02	10010-54500		03/03/2021		6/23/2023	08/31/2023	54,041.69	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace vault lids for RW	9757L-01	10010-54500		1/2/2023		12/31/2023	12/31/2023	136,016.88	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Replace vault for lids for large meters (res./comm. services	9757L-02	10010-54500		1/2/2023		12/31/2023	12/31/2023	116,696.89	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Video log well & inspect 858 pump associated w/9762L-05	9762L-01	10010-52400	PLANT 85	03/30/2021		12/27/2023	12/31/2023	5,961.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Inspect and refurbish 858 motor no. KVK-2295312/3-GT-01	9762L-02	10010-52400	PLANT 85	03/30/2021		12/27/2023	12/31/2023	6,727.71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Retrieve suction case & perform gyroscopic survey w/9762L-04	9762L-03	10010-51500	PLANT 85	08/04/2021		12/26/2023	12/31/2023	19,294.23	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish well casing for Well 858	9762L-04	10010-51500	PLANT 85	10/07/2021		12/26/2023	12/31/2023	7,872.57	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase and replace pump assembly for Well 858	9762L-05	10010-52400	PLANT 85	03/03/2022		12/29/2023	12/31/2023	80,180.82	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Wire brush and bail Well 858 associated w/9762L-05	9762L-06	10010-52400	PLANT 85	08/16/2022		12/26/2023	12/31/2023	9,122.81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Well motor lead wire replace, from elec. panel to wellI	9762L-07	10010-52400	PLANT 85	10/24/2022		12/26/2023	12/31/2023	24,423.73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install pump and submersible motor 8278S	9787L-03	10010-52400	PLANT 827	05/11/2021		12/12/2023	12/31/2023	44,441.16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish emergency generator	9835L-01	10010-52400	PLANT 85	08/16/2021		12/27/2023	12/31/2023	5,812.24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install AC unit for electrical panels	9845L-01	10010-52400	PLANT 11	09/01/2021		3/31/2023	04/30/2023	9,918.67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 8" butterfly valve and 8"MJ Tee	9858L-01	10010-54500		01/19/2022		10/5/2023	10/31/2023	15,117.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 200 H.P. rated Allen Bradley soft starter for B6b3	9890L-01	10010-52400	PLANT B6	01/20/2022		12/5/2023	12/31/2023	10,184.77	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Rebuild 8" pressure reducing valve	9963L-01	10010-54500		02/10/2022		12/5/2023	12/31/2023	1,401.96	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Rebuild 8" pressure reducing valve	9963L-02	10010-54500		05/26/2022		12/5/2023	12/31/2023	7,382.52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 88-1" services	9965L-01	10010-54500		02/14/2022		2/14/2023	04/30/2023	255,149.31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Additional work to complete paving associated with 9965L-01	9965L-02	10010-54500		01/01/2023		4/14/2023	04/30/2023	18,897.27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 3685'-8-5/8" GWBR, 1467'-6-5/8" GWBR	9910L-01	10010-54500		02/14/2022		7/19/2023	07/31/2023	938,975.93	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 39-1"long & 47-1" shunt side services	9910L-02	10010-54500		02/16/2022		7/19/2023	07/31/2023	178,214.63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Installed 7-6" fire hydrants #s 4202E,4203E,4204E,4214E,4215E,	9910L-03	10010-54500		02/14/2022		7/19/2023	07/31/2023	96,595.24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Purchase and install pump no. 2 and motor Franklin 15VR	9920L-01	10010-53200	PLANT B6	02/01/2022		12/5/2023	12/31/2023	7,949.97	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install new Franklin pump with 5.9 HP motor	9920L-02	10010-53200	PLANT B6	07/11/2022		12/5/2023	12/31/2023	7,888.95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 1-6" fire hydrant	9954L-01	10010-54500		03/29/2022		10/5/2023	10/31/2023	42,767.73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 2 - 1" services	9954L-03	10010-54500		08/01/2022		10/5/2023	10/31/2023	15,453.65	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 1-4" Manifold service with 2-2" meters	9954L-05	10010-54500		08/01/2022		10/5/2023	10/31/2023	48,881.13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 1-6" fire hydrant #3523E	9941L-01	10010-54500		04/12/2022		10/5/2023	10/31/2023	13,699.31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Installed 2" ball valve for a 2" Air Vac	9951L-01	10010-54500		04/21/2022		10/5/2023	10/31/2023	23,906.84	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 30-6-5/8" GWBR pipe	9954L-01	10010-54500		04/21/2022		10/5/2023	10/31/2023	64,396.35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Refurbish UV building crane tracks	9969L-01	10010-53200	PLANT B6	05/17/2022		12/27/2023	12/31/2023	68.72	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 6" X 8" tee, 4-6" & 2-8" butterfly valves	9970L-01	10010-54500		05/17/2022		12/12/2023	12/31/2023	58,662.93	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 2-inch air vacuum valve	9982L-01	10010-54500		05/01/2022		6/23/2023	07/31/2023	34,648.87	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 300' +- of 8-5/8" GWBR	9983L-01	10010-54500		05/01/2022		5/16/2023	05/31/2023	227,777.64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 7-1" services	9983L-02	10010-54500		05/01/2022		5/16/2023	05/31/2023	48,767.44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install 25' of 8-5/8" GWBR Pipe	9983L-06	10010-54500		09/01/2022		5/16/2023	05/31/2023	16,719.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Installed 7'+/-6" GWBR pipe	9984L-01	10010-54500		05/01/2022		11/29/2023	12/31/2023	17,867.96	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	Install chlorine pump	9991L-01	10010-53200	PLANT B6	06/06/2022		12/27/2023	12/31/2023	5,531.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	PUMPING EQUIPMENT	J324.09L	10010-52400		1/2/2023		12/31/2023	12/31/2023	5,755.95	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	METERS	J346.09L	10010-54600		1/2/2023		12/31/2023	12/31/2023	1,545,888.55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	OFFICE FURNITURE & EQUIPMENT	J372.09L	10010-57200		1/2/2023		12/31/2023	12/31/2023	117,123.89	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	TRANSPORTATION EQUIPMENT	J373.09L	10010-57300		1/2/2023		12/31/2023	12/31/2023	454,704.91	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2023	LA	TOOLS, SHOP & GARAGE EQUIPMENT	J378.09L	10010-57500		1/2/2023		12/31/2023	12/31/2023	48,149.64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2024	LA	INSTALL 1 - 6" FIRE HYDRANT	7781L-14	10010-54800		10/12/2011	1/2/2024	9/19/2024	09/30/2024	7,543.96	134.00	134.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 1 - 6" FIRE HYDRANT	7781L-18	10010-54800		10/12/2011	1/2/2024	9/19/2024	09/30/2024	4,157.66	76.00	76.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 1 - 6" FIRE HYDRANT #4145E	8186L-1	10010-54800		5/5/2013	1/2/2024	5/8/2024	05/31/2024	14,796.32	134.00	134.00	0.00	0.00	7.0415%	8/14/24		
2024	FONTANA	DEMOLISH EXISTING SINGLE FAMILY RESIDENCE AND	9611F-4	10010-30600	PLANT F59	9/6/2013	1/2/2024	5/8/2024	07/31/2024	69,361.36	639.00	639.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 1 - 6" FIRE HYDRANT	8863L-4	10010-54800		12/16/2016	1/2/2024	5/19/2024	05/31/2024	4,899.63	99.00	99.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 1 - 6" FIRE HYDRANT #4272E	8196L-1	10010-54800		5/5/2017	1/2/2024	5/8/2024	05/31/2024	12,279.21	112.00	112.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	ADMIN COSTS - BLEND PIPELINE	9117L-1	10010-54500		3/16/2018	1/2/2024	12/31/2024	12/31/2024	165,668.28	3,026.00	3,026.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 1 - 6" FIRE HYDRANT	9157L-1	10010-54800		6/5/2018	1/2/2024	5/8/2024	07/31/2024	17,642.77	369.00	369.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	PLANNING/DESIGN COSTS - BLEND PIPELINE	9117L-6	10010-54500		9/12/2018	1/2/2024	12/31/2024	12/31/2024	140,349.39	2,619.00	2,619.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	PACKED TOWER - INSTALL 3000 GPM BOOSTER PUMP	9207L-1	10010-53200	PLANT 11	10/22/2018	1/2/2024	11/7/2024	11/30/2024	2,788.63	51.00	51.00	0.00	0.00	7.0415%	8/14/24		
2024	FONTANA	INSTALL MAIN AND CASING	9257L-1	10010-54500		11/19/2018	1/2/2024	11/30/2024	11/30/2024	97,747.45	1,694.00	1,694.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL MAIN	9237L-1	10010-54500		12/26/2018	1/2/2024	12/31/2024	12/31/2024	9,601.10	175.00	175.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 6" MAIN	9239L-1	10010-54500		1/3/2019	1/2/2024	8/28/2024	09/30/2024	51,769.28	946.00	946.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL NEW DISCHARGE PIPING FOR BOOSTER B19B3	9259L-1	10010-52400	PLANT B19	2/14/2019	1/2/2024	12/5/2024	12/31/2024	1,945.28	19.00	19.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	RELOCATE F.H. #4782 CONTROL VALVE & INST.6" F.H. RUN	9237L-1	10010-54800		4/5/2019	1/2/2024	5/8/2024	05/31/2024	10,338.96	96.00	96.00	0.00	0.00	7.0415%	8/14/24		
2024	FONTANA	INSTALL 8-5/8" MAIN	6481F-1	10010-54500		6/5/2019	1/2/2024	1/29/2025	12/31/2024	48,863.11	893.00	893.00	0.00	0.00	7.0415%	8/14/24		
2024	FONTANA	INSTALL 1 - 6" FIRE HYDRANT	6481F-2	10010-54800		6/5/2019	1/2/2024	1/29/2025	12/31/2024	6,778.59	124.00	124.00	0.00	0.00	7.0415%	8/14/24		
2024	FONTANA	INSTALL 1 - 4" MASTER METER	6481F-3	10010-54510		6/5/2019	1/2/2024	1/29/2025	12/31/2024	17,910.75	327.00	327.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	SITE IMPROVEMENTS	7944L-7	10010-52100	PLANT 14	7/25/2019	1/2/2024	9/30/2024	11/30/2024	279,019.61	5,197.00	5,197.00	0.00	0.00	7.0415%	8/14/24		
2024	GENERAL	ISIP Phase II - CIS Implementation	8172S-4	10010-37210		7/24/2019	1/2/2024	2/26/2024	03/31/2024	7,537,431.55	17,653.00	17,653.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 2.5" BUTTERFLY VALVES	9361L-1	10010-54500		8/29/2019	1/2/2024	11/21/2024	12/31/2024	21,328.96	396.00	396.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 2.4" AND 2.5" BUTTERFLY VALVES	9361L-2	10010-54500		8/29/2019	1/2/2024	11/21/2024	12/31/2024	35,787.15	654.00	654.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 1-6" BUTTERFLY VALVE	9361L-3	10010-54500		8/29/2019	1/2/2024	11/21/2024	12/31/2024	5,910.04	108.00	108.00	0.00	0.00	7.0415%	8/14/24		
2024	FONTANA	CONSTRUCT WELL BUILDING	6480F-1	10010-52100	PLANT F54	10/1/2019	1/2/2024	12/31/2024	12/31/2024	597,762.71	10,920.00	10,920.00	0.00	0.00	7.0415%	8/14/24		
2024	FONTANA	Additional cost to complete paving	6542F-6	10010-54500		1/1/2020	1/2/2024	5/10/2024	05/31/2024	26,349.72	152.00	152.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 3 - 4" BUTTERFLY VALVES, 1-6" BUTTERFLY	9477L-1	10010-54500		2/18/2020	1/2/2024	2/27/2024	02/29/2024	34,891.27	85.00	85.00	0.00	0.00	7.0415%	8/14/24		
2024	LA	INSTALL 1 - 6" BUTTERFLY VALVE	9477L-2	10010-54500		2/18/2020	1/2/2024	2/27/2024	02/29/2024	24,729.22	69.00	69.00	0.00	0.00	7.0415%	8/14/24		

2024	LA	INSTALL 1 -6" BUTTERFLY VALVE, 3 L.F. OF 6-5/8" GWBR PIPE	9478L.1	19010-54500		2/18/2020	1/2/2024	5/8/2024	05/31/2024	6,721.96	61.00	61.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	INSTALL 1 -8" BUTTERFLY VALVE, 3 LF OF 6-5/8" GWBR PIPE	9479L.2	19010-54500		2/18/2020	1/2/2024	5/8/2024	05/31/2024	7,020.51	62.00	62.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Â LOS ANGELES DIVISION HYDRAULIC MODEL UPDATE	9490L.1	19010-37200		2/24/2020	1/2/2024	5/7/2024	05/31/2024	34,944.89	306.00	306.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Purchase and install 10" backflow device	6581F.1	19010-54400	PLANT F14	6/22/2020	1/2/2024	5/8/2024	05/31/2024	8,364.16	74.00	74.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	INSTALL 4" GATE VALVE ON 4" DOMESTIC MANIFOLD	9557L.1	19010-54500		6/25/2020	1/2/2024	5/8/2024	07/31/2024	13,238.01	138.00	138.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-6" gate valve (Replace gate valve for fire hydrant	6585F.1	19010-54800		7/16/2020	1/2/2024	1/29/2025	12/31/2024	8,344.15	152.00	152.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Furnish & install $10 HP soft starter on Well F44A	6612F.06	19010-32400		9/1/2020	1/2/2024	1/15/2025	12/31/2024	52,483.93	959.00	959.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 4253' of 6-5/8" GWBR pipe	9583L.01	19010-54500		9/1/2020	1/2/2024	12/31/2024	12/31/2024	1,792,716.76	32,759.00	32,759.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 64-1" long side and 57-1" short side services	9583L.02	19010-54500		9/1/2020	1/2/2024	12/31/2024	12/31/2024	752,103.96	13,740.00	13,740.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 7-6" fire hydrants 4265e, 4266e, 4267e, 4268, 4269e,	9583L.03	19010-54800		9/1/2020	1/2/2024	12/31/2024	12/31/2024	111,836.20	2,043.00	2,043.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" butterfly valve	9592L.01	19010-54500		9/9/2020	1/2/2024	12/31/2024	12/31/2024	14,149.93	258.00	258.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-4" and 1-6" butterfly valves	9592L.02	19010-54500		9/9/2020	1/2/2024	12/31/2024	12/31/2024	13,961.49	255.00	255.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" butterfly valve	9592L.03	19010-54500		9/9/2020	1/2/2024	12/31/2024	12/31/2024	10,057.47	184.00	184.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 2620' Â± of 8-5/8" GWBR pipe	9642F.01	19010-54500		11/1/2020	1/2/2024	8/28/2024	09/30/2024	1,463,653.27	26,738.00	26,738.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 23-1" long side serv. & 13-1" short side services	9642F.02	19010-54500		11/1/2020	1/2/2024	8/28/2024	09/30/2024	216,855.11	3,962.00	3,962.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-6" fire hydrant #9480F	6642F.03	19010-54800		11/1/2020	1/2/2024	8/29/2024	09/30/2024	27,911.79	510.00	510.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 8" +/- 6.5 ft" GWBR	9649L.01	19010-54500		11/18/2020	1/2/2024	5/8/2024	05/31/2024	16,373.03	149.00	149.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Demolition of two structures on site	6649F.01	19010-30600		12/1/2020	1/2/2024	5/8/2024	05/31/2024	69,592.05	551.00	551.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Retrofit Vault lids at various locations	9666L.01	19010-54500		12/30/2020	1/2/2024	12/5/2024	12/31/2024	24,726.25	452.00	452.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish Well B4B	9669L.01	19010-32400	PLANT B4	12/30/2020	1/2/2024	12/5/2024	12/31/2024	158,615.25	2,916.00	2,916.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish Well B4C	9669L.02	19010-32400	PLANT B4	12/30/2020	1/2/2024	12/31/2024	12/31/2024	147,914.76	2,702.00	2,702.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install new piping from well to discharge line	9689L.01	19010-31500	PLANT B7	1/19/2021	1/2/2024	5/8/2024	05/31/2024	5,765.97	53.00	53.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Arc Flash Study on Electrical panels for wells and boosters	9763L.01	19010-32400	PLANT 8	2/19/2021	1/2/2024	12/31/2024	12/31/2024	12,128.94	222.00	222.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-6" fire hydrant 6431F	6703F.01	19010-54800		3/1/2021	1/2/2024	9/11/2024	09/30/2024	35,213.85	643.00	643.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-3/4" fire service run for Conn. No. 7120S	9765L.01	19010-54510		3/16/2021	1/2/2024	8/29/2024	09/30/2024	14,968.97	272.00	272.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Replace various air-vacs throughout the Fontana service area	6736F.01	19010-54500		4/1/2021	1/2/2024	1/29/2025	12/31/2024	2,789.79	51.00	51.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Arc Flash Study on Electrical panels for wells and boosters	9763L.02	19010-32400	PLANT B6	4/29/2021	1/2/2024	12/31/2024	12/31/2024	1,378.92	25.00	25.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Arc Flash Study on Electrical panels for wells and boosters	9763L.03	19010-32400	PLANT B24	4/29/2021	1/2/2024	12/31/2024	12/31/2024	11,511.16	210.00	210.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Purchase and install packer on well F44A	6612F.03	19010-32400	PLANT F44	5/1/2021	1/2/2024	1/15/2025	12/31/2024	246,183.99	4,496.00	4,496.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Purchase and install packer on well F44C	6612F.04	19010-32400	PLANT F44	5/1/2021	1/2/2024	1/15/2025	12/31/2024	459,625.21	8,397.00	8,397.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish fire hydrant No. 1730E	9784L.01	19010-54800		5/6/2021	1/2/2024	8/28/2024	09/30/2024	18,546.62	339.00	339.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish 1-4" manifold service with 5-2" meters	9786L.01	19010-54510		5/19/2021	1/2/2024	5/8/2024	05/31/2024	15,123.93	137.00	137.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-12" butterfly valve	9793L.01	19010-54500		5/21/2021	1/2/2024	12/31/2024	12/31/2024	37,884.65	692.00	692.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 600' +/- 12-3/4" GWBR	9328L.2	19010-32400	PLANT B7	7/7/2021	1/2/2024	8/19/2024	08/31/2024	86,788.73	1,585.00	1,585.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install fence	9328L.3	19010-32100	PLANT B7	7/7/2021	1/2/2024	8/19/2024	08/31/2024	62,866.29	1,148.00	1,148.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 4" +/- 6.5/8" GWBR pipe	9650L.01	19010-54500		8/14/2021	1/2/2024	5/8/2024	05/31/2024	8,081.99	73.00	73.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 2629' of 12-3/4" GWBR pipe in Tamarind	6776F.01	19010-54500		9/1/2021	1/2/2024	12/18/2024	12/31/2024	1,781,622.22	32,547.00	32,547.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install services	6776F.02	19010-54510		9/1/2021	1/2/2024	12/18/2024	12/31/2024	152,362.63	2,783.00	2,783.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 6-6" fire hydrants #9449F, 6450F, 6451F, 6452F,6453F	6770F.03	19010-54800		9/1/2021	1/2/2024	12/18/2024	12/31/2024	117,740.54	2,151.00	2,151.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" Fire Hydrant # 4104E	9648L.01	19010-54800		9/3/2021	1/2/2024	7/22/2024	08/31/2024	48,849.09	787.00	787.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-4" manifold service	9657L.01	19010-54510		9/29/2021	1/2/2024	8/29/2024	09/30/2024	152,394.85	2,782.00	2,782.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 158 LF of 12-3/4" GWBR pipe	6790F.01	19010-32400	PLANT F18	11/1/2021	1/2/2024	7/11/2024	07/31/2024	77,697.16	1,372.00	1,372.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 12" pressure reducing valve & related appurtenances	6790F.02	19010-32400	PLANT F18	11/1/2021	1/2/2024	7/11/2024	07/31/2024	194,494.54	3,378.00	3,378.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 12" mainline meter & related appurtenances	6790F.03	19010-32400	PLANT F18	11/1/2021	1/2/2024	7/11/2024	07/31/2024	194,327.31	1,374.00	1,374.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install chain link fence and gate	6790F.04	19010-32100	PLANT F18	11/1/2021	1/2/2024	7/11/2024	07/31/2024	23,344.87	352.00	352.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 54' Â± of 12-3/4" GWBR, 130° Â± of 17-3/8" GWBR	6794F.08	19010-54500		11/1/2021	1/2/2024	7/11/2024	07/31/2024	135,427.54	2,043.00	2,043.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 45LF of 4-1/2" GWBR tie-over 4" fire service FS9546	6794F.02	19010-54500		12/1/2021	1/2/2024	9/30/2024	11/30/2024	9,944.01	147.00	147.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-1" service and connect customer's line	6794F.03	19010-54500		12/1/2021	1/2/2024	9/30/2024	11/30/2024	5,155.55	94.00	94.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Tie in 1 - 6" fire hydrant to the main	6794F.04	19010-54800		12/1/2021	1/2/2024	9/30/2024	11/30/2024	12,513.42	229.00	229.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-36" butterfly valve & 1-36" temporary valve	9657L.02	19010-54500		10/9/2021	1/2/2024	8/28/2024	09/30/2024	62,808.66	1,134.00	1,134.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Hydraulic Model Technical Services	6614F.02	19010-37200		1/1/2022	1/2/2024	5/8/2024	05/31/2024	5,679.51	52.00	52.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1 - 2â€ landscape service with 1-1/2â€ meter	6802F.03	19010-54500		1/1/2022	1/2/2024	5/8/2024	05/31/2024	7,339.56	72.00	72.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Purchase and install DMZ Server for SCADA system with modified	6312F.4	19010-32400		2/1/2022	1/2/2024	5/8/2024	05/31/2024	56,657.92	515.00	515.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 1,518' of 8-5/8"GWBR,.250' of 6-5/8"GWBR Pipe	9695L.01	19010-54500		2/1/2022	1/2/2024	5/29/2024	06/30/2024	851,245.76	8,692.00	8,692.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 22-1" short side and 2-2" short side services	9695L.02	19010-54500		2/1/2022	1/2/2024	5/29/2024	06/30/2024	126,264.81	1,228.00	1,228.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 2-6" fire hydrants - Nos. 4262E and 4263E	9695L.03	19010-54800		2/1/2022	1/2/2024	5/29/2024	06/30/2024	33,773.55	345.00	345.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase packing material for Air stripper #3 & #4	9696L.06	19010-33200	PLANT B6	2/1/2022	1/2/2024	5/8/2024	05/31/2024	69,251.49	629.00	629.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-2" land scape services (city of Fontana irrigation)	6859F.03	19010-54500		4/1/2022	1/2/2024	10/22/2024	11/30/2024	7,582.37	139.00	139.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install Pressure Sustaining Valves and expansion joints on P	9475L.7	19010-33200	PLANT W6	4/1/2022	1/2/2024	10/22/2024	11/30/2024	40,528.55	740.00	740.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 2069' of 8-5/8" GWBR pipe	9605L.01	19010-54500		4/1/2022	1/2/2024	12/31/2024	12/31/2024	676,671.52	12,362.00	12,362.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 15-1" long side services 25-1" short side service	9605L.02	19010-54500		4/1/2022	1/2/2024	12/31/2024	12/31/2024	198,533.18	3,627.00	3,627.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 5-6" fire hydrants 294E 4293E, 4292E, 4295E	9605L.03	19010-54800		4/1/2022	1/2/2024	12/31/2024	12/31/2024	86,996.78	1,571.00	1,571.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install EV Chargers	9644L.01	19010-57100		4/1/2022	1/2/2024	10/31/2024	09/30/2024	256,032.59	4,688.00	4,688.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 8" invert to clear storm drain lateral.	9690L.01	19010-54500		4/21/2022	1/2/2024	5/8/2024	05/31/2024	22,452.56	204.00	204.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Inspect condition of the existing Plant B7 Air Stripper and	9957L.01	19010-33200	PLANT B7	4/28/2022	1/2/2024	5/8/2024	09/30/2024	10,454.45	95.00	95.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Purchase Nitrate Analyzer for F31 Reservoir effluent	6868F.01	19010-33200	PLANT F31	5/1/2022	1/2/2024	5/8/2024	05/31/2024	41,265.69	375.00	375.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 140' +/- of 17-3/8" of GWBR	9661L.01	19010-54500	PLANT W1	5/1/2022	1/2/2024	12/31/2024	12/31/2024	329,637.66	6,022.00	6,022.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install Flow Meter	9661L.02	19010-32400	PLANT W1	5/1/2022	1/2/2024	12/31/2024	12/31/2024	85,896.01	1,569.00	1,569.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install control valve inside vaults	9661L.03	19010-57400	PLANT W1	5/1/2022	1/2/2024	12/31/2024	12/31/2024	147,477.64	2,607.00	2,607.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish 10HP VHS motor for B1581 Ser # Z117R3145-A03H001	10961L.01	19010-32400	PLANT B1S	6/1/2022	1/2/2024	5/8/2024	05/31/2024	11,960.86	109.00	109.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace VFD for B1581 & B1584	10963L.02	19010-32400	PLANT B1S	6/1/2022	1/2/2024	5/8/2024	05/31/2024	34,795.81	316.00	316.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 3703 LF of 12-3/4" GWBR Pipe	9696L.01	19010-54500		6/1/2022	1/2/2024	7/11/2024	08/31/2024	1,281,628.05	19,331.00	19,331.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Remove and replace air stripper #3 packing media .	9696L.04	19010-33200	PLANT B6	6/2/2022	1/2/2024	5/8/2024	05/31/2024	114,882.89	1,837.00	1,837.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Remove and replace air stripper #4 packing media .	9696L.05	19010-33200	PLANT B6	6/2/2022	1/2/2024	5/8/2024	05/31/2024	114,848.52	1,836.00	1,836.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Pull and video log Well W1C	10003L.01	19010-32400	PLANT W1	6/21/2022	1/2/2024	12/31/2024	12/31/2024	16,795.00	279.00	279.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-4" gate valve and 1-4" air vac	10003L.02	19010-54500		6/24/2022	1/2/2024	10/14/2024	12/31/2024	5,764.22	69.00	69.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1 -2" domestic service with 2" meter	6888F.03	19010-54500		7/1/2022	1/2/2024	4/17/2024	04/30/2024	5,639.55	40.00	40.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Replace vault covers at various plant sites	6889F.01	19010-32400		7/1/2022	1/2/2024	1/29/2025	12/31/2024	189,728.25	3,466.00	3,466.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Distribution PRV vault retrofits	6890F.01	19010-54500		7/1/2022	1/2/2024	11/25/2024	10/31/2024	169,339.77	1,833.00	1,833.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Service Vault Retrofits	6891F.01	19010-54500		7/1/2022	1/2/2024	11/25/2024	10/31/2024	84,248.39	1,539.00	1,539.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace 1" service line	10009L.01	19010-54500		7/7/2022	1/2/2024	5/8/2024	05/31/2024	17,164.58	156.00	156.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 12"30° R, KFL Cross	10017L.01	19010-54500		7/18/2022	1/2/2024	5/8/2024	05/31/2024	32,949.27	299.00	299.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace 8" collar for 8" AC main	10024L.01	19010-54500		7/27/2022	1/2/2024	5/8/2024	05/31/2024	10,653.78	97.00	97.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 3634 LF of 8-5/8" GWBR pipe	6901F.01	19010-54500		8/1/2022	1/2/2024	9/11/2024	09/30/2024	1,319,165.23	24,096.00	24,096.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-6" & 1-4" fire hydrant #9419F & 6420F	6901F.02	19010-54800		8/1/2022	1/2/2024	9/11/2024	09/30/2024	33,111.41	649.00	649.00	0.00	0.00	0.00	7.0415%	8/14/24

2024	FONTANA	Install 25- 1" short side services & 27-1" long side services	6901F-03	10010-54500			8/1/2022	1/2/2024	9/11/2024	09/30/2024	198,169.38	3,619.00	3,619.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1 - 2" commercial service with 1-1/2" meter	6907F-02	10010-54500			8/1/2022	1/2/2024	5/28/2024	06/30/2024	9,283.12	102.00	102.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install Main Line Valves- 1-4" & 3-6" Butterfly Valves	10144L-01	10010-54500			8/1/2022	1/2/2024	5/8/2024	05/31/2024	65,129.94	574.00	574.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-12" gate valve & 1-12" butterfly valve	10147L-01	10010-54500			8/31/2022	1/2/2024	5/9/2024	05/31/2024	56,921.49	517.00	517.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Installed 20(?)' of 6-5/8 gavin pipe, 232' of 6-5/8" gavin	6911F-01	10010-54500			9/1/2022	1/2/2024	12/31/2024	12/31/2024	2,157,139.52	39,407.00	39,407.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Installed 12-1" re services, 1-2" re, 3-1.5, 2L5	6911F-02	10010-54500			9/1/2022	1/2/2024	12/31/2024	12/31/2024	110,116.69	2,012.00	2,012.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install fire hydrants #6462F, 6461F	6911F-03	10010-54500			9/1/2022	1/2/2024	12/31/2024	12/31/2024	37,886.54	692.00	692.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Construct & install shade structures over existing wells	6918F-01	10010-51500			9/1/2022	1/2/2024	1/29/2025	12/31/2024	96,348.99	1,829.00	1,829.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" fire hydrant #4151E	10151L-01	10010-54500			9/15/2022	1/2/2024	5/8/2024	05/31/2024	26,051.88	182.00	182.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 4-6" fire hydrants #6445F,#6446F,#6447F,#6448F	6925F-01	10010-54500			10/1/2022	1/2/2024	11/19/2024	12/31/2024	129,019.47	2,357.00	2,357.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" fire hydrant #4264E	10171L-01	10010-54500			10/15/2022	1/2/2024	5/8/2024	05/31/2024	29,479.16	268.00	268.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace 6" gate valve for domestic service line L45769	10181L-01	10010-54500			10/28/2022	1/2/2024	5/6/2024	05/31/2024	27,231.69	242.00	242.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Refurbish F18C - 350 HP US VHS Motor SN P1601069736GT-01	6932F-01	10010-32400	PLANT F18		11/1/2022	1/2/2024	4/15/2024	05/31/2024	2,389.49	17.00	17.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase and Install (4) Pentek Filter Vessels	10183L-01	10010-53200	PLANT B5		11/3/2022	1/2/2024	5/8/2024	05/31/2024	25,374.15	231.00	231.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace valve nos. 2935 & 2623	10185L-01	10010-54500			11/8/2022	1/2/2024	8/28/2024	09/30/2024	310,484.51	1,836.00	1,836.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-8" butterfly valve, S.I.T. of 8-5/8" GWBR	10188L-01	10010-54500			11/9/2022	1/2/2024	5/9/2024	05/31/2024	18,014.18	164.00	164.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish ammigear motor for Well 11R	19143L-01	19000-33200	PLANT 11		11/22/2023	1/2/2024	12/31/2024	12/31/2024	9,648.94	174.00	174.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA Recycle	Install 12' -6 5/8" recycled water main (6 5/8" GWBR pipe	10161LR-01	10010-54500			11/23/2022	1/2/2024	5/8/2024	05/31/2024	29,718.58	188.00	188.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install fittings for PRV	10112L-01	10010-54500			12/11/2022	1/2/2024	5/8/2024	05/31/2024	5,062.63	28.00	28.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	RE-ROUTE WATER MAIN	10117L-01	10010-54500			12/29/2022	1/2/2024	12/31/2024	12/31/2024	41,947.35	799.00	799.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" fire hydrant	10117L-02	10010-54500			12/29/2022	1/2/2024	12/31/2024	12/31/2024	5,044.39	56.00	56.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-6" fire hydrant	6943F-01	10010-54500			1/1/2023	1/2/2024	1/29/2025	12/31/2024	11,714.94	214.00	214.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 74' of 12-3/4" GWBR Pipe	10139L-01	10010-54500			1/1/2023	1/2/2024	12/19/2024	12/31/2024	177,879.16	3,258.00	3,258.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 1-2" domestic ser., plugged 1 ser at the main	10139L-02	10010-54500			1/1/2023	1/2/2024	12/19/2024	12/31/2024	15,267.33	279.00	279.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 1-4" fire service lateral	10139L-03	10010-54510			1/1/2023	1/2/2024	12/10/2024	12/31/2024	38,933.69	711.00	711.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Repair 8" steel water main leak	10127KL-01	10010-54500			1/1/2023	1/2/2024	12/31/2024	12/31/2024	77,103.15	1,409.00	1,409.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Prepare legal description and survey Bluff Well No. 1 site	10124L-01	10010-51500			1/5/2023	1/2/2024	12/31/2024	12/31/2024	16,676.48	305.00	305.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Prepare legal description and survey Townsaster Reservoir	10123L-01	10010-54200			1/6/2023	1/2/2024	12/31/2024	12/31/2024	7,351.67	134.00	134.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish 5"X2" tee and install 1-2" ball valve.	10133L-01	10010-54500			1/17/2023	1/2/2024	5/9/2024	05/31/2024	15,652.23	124.00	124.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install bowl assembly to 38S booster	10131L-01	10010-32400	PLANT 8		1/19/2023	1/2/2024	12/31/2024	12/31/2024	56,343.95	664.00	664.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Rehab Well W6D	10132L-01	10010-32400	PLANT W6		1/19/2023	1/2/2024	5/8/2024	05/31/2024	17,335.41	158.00	158.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace 6" gate valve for Fire Hydrant No. 4135W	10137L-01	10010-54500			1/23/2023	1/2/2024	5/9/2024	05/31/2024	9,940.35	90.00	90.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" butterfly valve.	10138L-01	10010-54500			1/25/2023	1/2/2024	5/8/2024	05/31/2024	7,228.77	66.00	66.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 6 LF OF 6-5/8" GWPR PIPE	10140L-01	10010-54500			1/25/2023	1/2/2024	5/9/2024	05/31/2024	15,748.59	143.00	143.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install scaffolding system around exterior of reservoir &	6961F-01	10010-54200	PLANT F10		2/1/2023	1/2/2024	5/8/2024	07/31/2024	52,783.96	483.00	483.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Construct and install shade structures	6918F-02	10010-51500			3/1/2023	1/2/2024	1/29/2025	12/31/2024	39,715.77	726.00	726.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Refurbish F13 Booster #2	6967F-01	10010-32400	PLANT F13		3/1/2023	1/2/2024	1/27/2025	12/31/2024	61,936.33	1,131.00	1,131.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	SCADA radio replacements	6972F-01	10010-37600			3/1/2023	1/2/2024	5/8/2024	05/31/2024	246,697.22	2,242.00	2,242.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 3696LFÂ± of 6-5/8" GWBR pipe	6961F-01	10010-54500			3/1/2023	1/2/2024	10/21/2024	11/30/2024	1,135,181.25	20,738.00	20,738.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 47 1/ 2 & 2 Services	6961F-02	10010-54500			3/1/2023	1/2/2024	10/21/2024	11/30/2024	273,159.28	5,827.00	5,827.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 2-6" hydrants 6418F, 6417F	6961F-03	10010-54500			3/1/2023	1/2/2024	10/23/2024	11/30/2024	35,537.59	649.00	649.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Gate security improvements	10178L-01	10010-53100	PLANT B5		3/1/2023	1/2/2024	9/9/2024	09/30/2024	29,241.89	534.00	534.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish booster manifold	10155L-01	10010-32400	PLANT 6		3/1/2023	1/2/2024	5/8/2024	05/31/2024	4,718.89	43.00	43.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-8" gate valve for fire service Conn No. M11137	10159L-01	10010-54510			5/15/2023	1/2/2024	7/22/2024	08/31/2024	26,429.08	426.00	426.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace Airstripper booster no. 2 motor	10166L-01	10010-53200	PLANT 8		5/28/2023	1/2/2024	5/9/2024	05/31/2024	16,738.27	97.00	97.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-2" domestic service with 2" meter	7906F-02	10010-54500			4/1/2023	1/2/2024	5/6/2024	05/31/2024	7,444.88	139.00	139.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 12Z-1" domestic services	10173L-01	10010-54500			4/1/2023	1/2/2024	10/21/2024	11/30/2024	626,588.56	11,537.00	11,537.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install Main	10184L-01	10010-54500			4/1/2023	1/2/2024	12/31/2024	12/31/2024	1,889,513.19	34,518.00	34,518.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 13-6" fire hydrants	10194L-02	10010-54500			4/1/2023	1/2/2024	12/31/2024	12/31/2024	212,228.83	3,877.00	3,877.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Enclose office area next to Operations Manager office	6964F-01	10010-37100			4/4/2023	1/2/2024	5/8/2024	05/31/2024	12,907.72	109.00	109.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" gate valve/installed 2-1.1 of 6-5/8" GWBR	10178L-03	10010-54500			4/15/2023	1/2/2024	7/22/2024	08/31/2024	7,745.66	125.00	125.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install pump assembly for Well W6C	10179L-02	10010-32400	PLANT W6		4/14/2023	1/2/2024	12/31/2024	12/31/2024	130,920.14	2,136.00	2,136.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 5' - 6-5/8" GWBR pipe	10183L-01	10010-54500			4/27/2023	1/2/2024	5/8/2024	05/31/2024	24,843.67	226.00	226.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Refurbish Well F31B	7907F-01	10010-32400	PLANT F31		5/1/2023	1/2/2024	5/8/2024	05/31/2024	411,523.14	3,740.00	3,740.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-2" domestic service with 2" meter	7910F-02	10010-54500			5/1/2023	1/2/2024	7/2/2024	07/31/2024	6,708.35	96.00	96.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Repair 4" domestic service serving Double Tree Hotel	10192L-01	10010-54500			5/1/2023	1/2/2024	12/31/2024	12/31/2024	7,671.13	129.00	129.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install ens 30"X12" cross	10196L-01	10010-54500			5/3/2023	1/2/2024	5/8/2024	05/31/2024	15,590.63	122.00	122.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase & install 2 Brine tanks - B6 Nitrate Removal System	10197L-01	10010-53200	PLANT B6		5/4/2023	1/2/2024	5/8/2024	05/31/2024	219,642.69	1,996.00	1,996.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase digital flow meter conversion kit	10194L-01	10010-32400	PLANT W6		5/31/2023	1/2/2024	5/8/2024	05/31/2024	1,170.78	11.00	11.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" fire hydrant #4223E	10195L-03	10010-54500			5/31/2023	1/2/2024	5/8/2024	05/31/2024	19,947.41	181.00	181.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6" butterfly valve	10195L-02	10010-54500			5/31/2023	1/2/2024	6/18/2024	06/30/2024	12,267.73	159.00	159.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Replace failed outdoor fan motor, blade, & discharge	7915F-01	10010-37100			6/1/2023	1/2/2024	5/8/2024	05/31/2024	1,830.82	17.00	17.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	GENERAL	UPGRADE PAYROLL SOFTWARE TO INFOR V.11	102120-01	10010-57210			6/1/2023	1/2/2024	11/13/2024	11/30/2024	471,632.89	8,616.00	8,616.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install flow meter conversion kit for W Vessel	10197L-01	10010-53200	PLANT B6		6/1/2023	1/2/2024	5/8/2024	05/31/2024	1,323.87	12.00	12.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1-6 gate valve for fire service	10201L-01	10010-54510			6/5/2023	1/2/2024	5/8/2024	05/31/2024	21,948.27	199.00	199.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 6in0-4 tee, 1-4" and 2-6" butterfly valves	10205L-01	10010-54500			6/12/2023	1/2/2024	5/8/2024	05/31/2024	16,256.29	396.00	396.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Purchase, equip and install MARS meter test bench system	7920F-01	10010-37600			7/1/2023	1/2/2024	4/2/2024	04/30/2024	405,823.46	2,393.00	2,393.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1304 ULFÂ± of 8-5/8" GWBR pipe in Cores Ave	7923F-01	10010-54500			7/1/2023	1/2/2024	8/28/2024	09/30/2024	469,978.61	8,596.00	8,596.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 15-1" services	7925F-01	10010-54500			7/1/2023	1/2/2024	8/28/2024	09/30/2024	85,267.75	1,558.00	1,558.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 2-3" dbl det chk valve backflow assemblies	7926F-01	10010-54510			7/1/2023	1/2/2024	1/29/2025	12/31/2024	26,794.89	489.00	489.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Construction of water storage reservoir F31 (south)	7933F-01	10010-54200	PLANT F31		7/1/2023	1/2/2024	12/31/2024	12/31/2024	1,843,845.93	35,511.00	35,511.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 62-1" long side and 61-1" short side services	10184L-03	10010-54500			7/1/2023	1/2/2024	12/31/2024	12/31/2024	597,723.45	10,919.00	10,919.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	INSTALLED 10" DI T 3.5" GWBR PIPE	10215L-01	10010-54500			7/1/2023	1/2/2024	5/8/2024	05/31/2024	99,231.63	902.00	902.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Booster Pump Manifold Valve Replacement	10216L-01	10010-32400			7/1/2023	1/2/2024	12/31/2024	12/31/2024	357,352.74	2,875.00	2,875.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Furnish & install 1 3-ton ducted AC unit & all associated	7929F-02	10010-37100			8/1/2023	1/2/2024	4/2/2024	04/30/2024	24,463.36	148.00	148.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Refurbish & install new main breaker	7929F-03	10010-37100			8/1/2023	1/2/2024	4/2/2024	04/30/2024	36,112.20	296.00	296.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Furnish & install new hollow metal door w/panic bar	7929F-04	10010-37100			8/1/2023	1/2/2024	4/2/2024	04/30/2024	9,279.89	53.00	53.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Equip new metal door installation with key card reader	7929F-05	10010-37200			8/1/2023	1/2/2024	4/2/2024	04/30/2024	4,284.53	24.00	24.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install phone & intercom	7929F-06	10010-37200			8/1/2023	1/2/2024	4/2/2024	04/30/2024	1,967.55	11.00	11.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Replace failed compressor on AC unit FCU-2 & replace	7935F-01	10010-37100			8/1/2023	1/2/2024	5/31/2024	05/31/2024	4,779.46	43.00	43.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1316 Â± of 6-5/8" GWBR	7943F-01	10010-54500			8/1/2023	1/2/2024	11/4/2024	11/30/2024	621,332.37	11,351.00	11,351.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install Services	7943F-02	10010-54500			8/1/2023	1/2/2024	11/4/2024	11/30/2024	198,897.90	3,349.00	3,349.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 2-6" fire hydrants 6442F, 6443F	7943F-03	10010-54500			8/1/2023	1/2/2024	11/4/2024	11/30/2024	38,033.38	695.00	695.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install level transducers on wells 2D and 2F	10229L-01	10010-32400	PLANT 2		8/1/2023	1/2/2024	5/8/2024	05/31/2024	6,679.63	61.00	61.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install level transducers on wells B4B and B4C	10229L-02	10010-32400	PLANT B4		8/1/2023	1/2/2024	12/31/2024	12/31/2024	5,853.49	107.00	107.00	0.00	0.00	0.00	7.0415%	8/14/24

2024	FONTANA	Rehabilitate Booster No. 3 includes pulling the booster	7647F-01	19010-32400	PLANT F13	9/1/2023		1/2/2024	5/3/2024	05/31/2024	26,986.96	245.00	245.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Rehabilitate Well F4Rincluding pull well, inspect equipment	7048F-01	19010-32400		9/1/2023		1/2/2024	1/29/2025	12/31/2024	438,794.62	8,016.00	8,016.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Repair &reinstallation of faulty DE Plant sluice pump motor	7049F-01	19010-32400	PLANT F14	9/1/2023		1/2/2024	5/2/2024	05/31/2024	22,923.19	195.00	195.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	F31 south reservoir electrical work	7833F-02	19010-34200		10/1/2023		1/2/2024	12/31/2024	12/31/2024	84,757.79	1,548.00	1,548.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	installed 136' of 25-3/8" GWBR, & 13 of 25-3/8" GWBG	7833F-03	19010-34200		10/1/2023		1/2/2024	12/31/2024	12/31/2024	354,693.27	6,481.00	6,481.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1-2" domestic service with 2" meter	7854F-02	19010-34500		10/1/2023		1/2/2024	12/3/2024	12/31/2024	4,487.61	82.00	82.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Pull booster pumps for inspection and repair	10216L-02	19010-32400		10/1/2023		1/2/2024	12/31/2024	12/31/2024	83,518.92	1,526.00	1,526.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 780' of 17-3/8" GWBR pipe	10216L-01	19010-34500		10/1/2023		1/2/2024	12/31/2024	12/31/2024	896,565.26	16,369.00	16,369.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase chlorine pump	10252L-01	19010-33200	PLANT B6	10/1/2023		1/2/2024	5/8/2024	05/31/2024	6,181.79	56.00	56.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Pull well pump and inspect well casing, video log well	7061F-01	19010-32400	PLANT F29	11/1/2023		1/2/2024	1/27/2025	12/31/2024	17,492.33	320.00	320.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install new VFD for Booster 1	10262L-01	19010-32400	PLANT B19	11/1/2023		1/2/2024	5/8/2024	05/31/2024	7,119.97	65.00	65.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Additional work to complete paving	6531F-6	19010-34500		12/1/2023		1/2/2024	4/17/2024	04/30/2024	211,544.70	1,506.00	1,506.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Additional work to complete paving	6523F-02	19010-34500		12/1/2023		1/2/2024	5/8/2024	05/31/2024	277,512.91	2,522.00	2,522.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Additional work to complete paving	6960F-06	19010-34500		12/1/2023		1/2/2024	4/17/2024	04/30/2024	104,909.68	747.00	747.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Perform repair to well casing, fill sinkhole, & reinstall	7068F-02	19010-32400		12/1/2023		1/2/2024	1/27/2025	12/31/2024	246,364.01	4,509.00	4,509.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install new 24V power supply and test operation	10267L-01	19010-32400		12/1/2023		1/2/2024	5/8/2024	05/31/2024	5,356.80	31.00	31.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace 4 to 20 mA signal splitter for hydro plant	10277L-01	19010-32400	PLANT B24	12/1/2023		1/2/2024	5/8/2024	05/31/2024	3,771.18	23.00	23.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Refurbish Booster 3 motor	10278L-01	19010-32400	PLANT 11	12/1/2023		1/2/2024	5/8/2024	05/31/2024	8,348.16	76.00	76.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Additional work to complete paving	9651L-66	19010-34500		12/1/2023		1/2/2024	6/5/2024	06/30/2024	386,283.16	4,524.00	4,524.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Additional work to complete paving	9651L-86	19010-34500		12/1/2023		1/2/2024	4/29/2024	05/31/2024	138,496.79	1,103.00	1,103.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace rotted fascia and reroof and paint building	10279L-01	19010-32100	PLANT B23	1/1/2024		1/2/2024	9/9/2024	09/30/2024	6,783.56	124.00	124.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase and install 480A breaker for Booster #3	10273L-01	19010-32400	PLANT B6	1/1/2024		1/2/2024	5/8/2024	05/31/2024	8,230.25	75.00	75.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	NEW SERVICE INSTALLATIONS - 2"&1"	3691F-48	19010-34500		1/2/2024		1/2/2024	12/31/2024	12/31/2024	74,617.78	1,363.00	1,363.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	GIS SYSTEM IMPROVEMENTS AND UPDATES	6142F-5	19010-37200		1/2/2024		1/2/2024	12/31/2024	12/31/2024	91,828.15	1,663.00	1,663.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	INSTALL SERVICES- PLASTIC SERVICE REPLACEMENTS	6515F-1	19010-34500		1/2/2024		1/2/2024	12/31/2024	12/31/2024	193,968.08	3,445.00	3,445.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Retrofit existing fire hydrants with new check valves Â Â Â Â Â Â	6997F-01	19010-34800		1/2/2024		1/2/2024	12/31/2024	12/31/2024	241,658.91	4,415.00	4,415.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Service Vault Retrofits	7068F-01	19010-34500		1/2/2024		1/2/2024	12/31/2024	12/31/2024	235,296.13	4,286.00	4,286.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Refurbish vault covers with new lightweight & lift assist v	7012F-01	19010-32400		1/2/2024		1/2/2024	12/31/2024	12/31/2024	478,575.24	8,739.00	8,739.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Refurbishing vault covers	7041F-01	19010-34200		1/2/2024		1/2/2024	12/31/2024	12/31/2024	268,713.87	4,927.00	4,927.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	PUMPING EQUIPMENT	/324.09F	19010-32400		1/2/2024		1/2/2024	12/31/2024	12/31/2024	47,294.34	864.00	864.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	WATER TREATMENT EQUIPMENT	/332.04F	19010-33200		1/2/2024		1/2/2024	12/31/2024	12/31/2024	39,676.95	728.00	728.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	METERS	/346.04F	19010-34600		1/2/2024		1/2/2024	12/31/2024	12/31/2024	2,702,631.73	49,372.00	49,372.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	OFFICE FURNITURE & EQUIPMENT	/372.04F	19010-37200		1/2/2024		1/2/2024	12/31/2024	12/31/2024	50,466.33	922.00	922.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	TRANSPORTATION EQUIPMENT	/373.04F	19010-37300		1/2/2024		1/2/2024	12/31/2024	12/31/2024	419,744.74	7,668.00	7,668.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	TOOLS, SHOP & GARAGE EQUIPMENT	/378.04F	19010-37800		1/2/2024		1/2/2024	12/31/2024	12/31/2024	52,346.32	956.00	956.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	GENERAL	OFFICE FURNITURE & EQUIPMENT	/372.01G	19010-37200		1/2/2024		1/2/2024	12/31/2024	12/31/2024	147,549.58	2,695.00	2,695.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	GENERAL	DATA PROCESSING EQUIPMENT	/372.16G	19010-37210		1/2/2024		1/2/2024	12/31/2024	12/31/2024	87,788.86	1,604.00	1,604.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	GENERAL	TRANSPORTATION EQUIPMENT	/373.01G	19010-37300		1/2/2024		1/2/2024	12/31/2024	12/31/2024	727,112.91	13,283.00	13,283.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	NEW SERVICE INSTALLATIONS	5260L.40	19010-34500		1/2/2024		1/2/2024	12/31/2024	12/31/2024	68,257.66	1,247.00	1,247.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	GIS SYSTEM IMPROVEMENTS AND UPDATES	8048L.5	19010-37200		1/2/2024		1/2/2024	12/31/2024	12/31/2024	153,902.59	2,813.00	2,813.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	INSTALL SERVICES - PLASTIC SERVICE REPLACEMENT	9452L.1	19010-34500		1/2/2024		1/2/2024	12/31/2024	12/31/2024	894,348.27	16,338.00	16,338.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace Vault lids for FRV	9757L.61	19010-34500		1/2/2024		1/2/2024	12/31/2024	12/31/2024	53,522.78	1,965.00	1,965.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace vault for lids for large meters (no /comm. services	9757L.62	19010-34500		1/2/2024		1/2/2024	12/31/2024	12/31/2024	346,197.24	4,918.00	4,918.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace plant vault retrofits	9757L.63	19010-32400		1/2/2024		1/2/2024	12/31/2024	12/31/2024	337,835.77	6,172.00	6,172.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	PUMPING EQUIPMENT	/324.09L	19010-32400		1/2/2024		1/2/2024	12/31/2024	12/31/2024	5,817.57	106.00	106.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	METERS	/346.09L	19010-34600		1/2/2024		1/2/2024	12/31/2024	12/31/2024	1,596,745.15	29,969.00	29,969.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	OFFICE FURNITURE & EQUIPMENT	/372.09L	19010-37200		1/2/2024		1/2/2024	12/31/2024	12/31/2024	38,338.27	709.00	709.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	TRANSPORTATION EQUIPMENT	/373.09L	19010-37300		1/2/2024		1/2/2024	12/31/2024	12/31/2024	221,629.64	4,149.00	4,149.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	TOOLS, SHOP & GARAGE EQUIPMENT	/378.09L	19010-37800		1/2/2024		1/2/2024	12/31/2024	12/31/2024	47,577.51	869.00	869.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Installed 206' of 8-5/8" GWBR pipe	7066F-03	19010-34500		2/1/2024		2/1/2024	12/31/2024	12/31/2024	146,661.28	2,267.00	2,267.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1 -6" fire hydrant #6463F	7066F-04	19010-34800		2/1/2024		2/1/2024	12/31/2024	12/31/2024	23,446.46	362.00	362.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase and Install a new chlorine pump	10286L-03	19010-33200	PLANT 2	2/1/2024		2/1/2024	5/8/2024	05/31/2024	6,768.73	43.00	43.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install rain gutters on back of Whittier Office roof	10290L.01	19010-37100		2/1/2024		2/1/2024	8/6/2024	08/31/2024	2,720.73	40.00	40.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace a 3 X 4 vault in the parkway	10279L.03	19010-34500		2/2/2024		2/2/2024	8/5/2024	08/31/2024	16,603.64	103.00	103.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Adj. inlet, packer wall F44B to new depth to increase water	6922F-05	19010-32400	PLANT F44	3/1/2024		3/1/2024	1/15/2025	12/31/2024	117,865.53	1,501.00	1,501.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	GENERAL	Repair roof over Engineering offices	10295G-01	19018-37100		3/1/2024		3/1/2024	9/9/2024	09/30/2024	22,118.77	282.00	282.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace 6FTX 4FT vault	10296L.03	19010-34510		3/1/2024		3/1/2024	7/22/2024	12/31/2024	14,948.86	158.00	158.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase HF Scientific CLX Chlorine Analyzer Kit	10303L.03	19010-33200	PLANT B6	4/1/2024		4/1/2024	5/13/2024	12/31/2024	5,532.68	34.00	34.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Install 1 -6" fire hydrant #6444F	6925F-04	19010-34800		5/1/2024		5/1/2024	11/19/2024	12/31/2024	16,067.72	71.00	71.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Concrete repair around Booster Pumps - PLANT #11	10216L.63	19018-32100		5/1/2024		5/1/2024	12/31/2024	12/31/2024	8,095.36	57.00	57.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Paving around Reservoir	10316L.01	19010-32100		5/1/2024		5/1/2024	12/31/2024	12/31/2024	124,696.47	876.00	876.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 1 -6" fire hydrant # 4291E	10319L.02	19010-34800		5/1/2024		5/1/2024	12/31/2024	12/31/2024	42,682.54	300.00	300.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	F31 south reservoir drainage piping and drainage structures	7833F-04	19010-34200		5/8/2024		5/8/2024	12/31/2024	12/31/2024	115,442.64	735.00	735.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Replace motherboard backup generator	10335L.01	19010-32400	PLANT B19	6/1/2024		6/1/2024	11/19/2024	12/31/2024	3,323.35	22.00	22.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Additional costs related to Job 6323F-3	6323F-5	19010-34500		7/1/2024		7/1/2024	8/16/2024	07/31/2024	15,415.69	29.00	20.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Purchase and install new MARS meter test bench system	10334L.01	19010-37800		7/1/2024		7/1/2024	12/31/2024	12/31/2024	466,693.43	654.00	654.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Install 6531.F at 5-5/8" GWBR pipe & 177.F at 6-5/8" GWBR	10401L.01	19010-34500		7/1/2024		7/1/2024	12/31/2024	12/31/2024	282,382.94	379.00	370.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	LA	Installed 9-1" short side and 4-1" long side services	10401L.02	19010-34500		7/1/2024		7/1/2024	12/31/2024	12/31/2024	36,999.47	49.00	49.00	0.00	0.00	0.00	7.0415%	8/14/24
2024	FONTANA	Quimicals Equipment	6954F-1	19010-34510		7/29/2024	N/A	7/29/2024	01/31/2024		888.86	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2024	FONTANA	Install 1,300' Â± 17-3/8" GWBR	6954F-07	19010-34500		5/1/2021	N/A	6/25/2023	04/30/2024		397,679.26	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2024	LA	Install 1 -4" double detector check valve assembly	9831L.01	19010-34510		8/9/2021	N/A	5/4/2023	02/29/2024		15,071.52	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2024	FONTANA	Install 1 - 2" domestic service with 2" meter	6787F-02	19010-34500		11/1/2021	N/A	9/5/2023	01/31/2024		4,330.71	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2024	LA	Meter Shop Improvements & Retrofits	10334L.02	19010-37100		9/1/2024	N/A	12/31/2024	12/31/2024		32,979.52	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ATTACHMENT 11: SGVWC's Response to Cal Advocates' Data Request MTN-004, with Attachment A

SAN GABRIEL VALLEY WATER COMPANY

March 19, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-004 (Water Rights)**

Dear Mr. Aslam:

In response to your data request dated March 12, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Referring to Exhibit SG-8, page 3 and Attachment A, SGVWC discusses the recent purchase of the following Main Basin Water Rights:

a. February 2023, from Susan Andrade, for 8.36 acre-ft (AF) at a total cost of $176,855, or $21,155 per AF.

b. November 2023, from William J. Knight Living Trust, for 227.88 AF at a total cost of $6,242,709, or $27,395 per AF.

Please explain why the cost per acre-foot of the November purchase was about 30% higher than the February purchase, and higher than other recent purchase in the past five years in the Main Basin (which all ranged from $20K to $22K per AF).

RESPONSE NO. 1
Based on a number of factors, San Gabriel Valley Water Company's ("San Gabriel or Company") water transaction history in the Main San Gabriel Basin ("Main Basin") has varied dramatically since 2006 and is shown on EXHIBIT SG-8 (Zvirbulis) ATTACHMENT A (*see* \MTN-004 ATTACHMENT 2.b.xlsx\ for revised attachment). Some of these factors include: long-term leasing relationships with the holder and seller of water rights, competitive buyer's market encouraging competing bids from active water rights buyers, seller's need or urgency to sell and seller's knowledge of market value. In the case of (a) above, the purchase price of water rights

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from Susan Andrade in February of 2023, were negotiated as a result of a long standing leasing relationship with Mrs. Andrade and due to the desire of her heirs to liquidate their comparatively small quantity of water rights. The William J Knight Living Trust water rights (b) above were acquired from the Trustee of the trust through a competitive sealed bid process that was widely noticed to all active buyers and interested parties within and outside of the Main Basin. As a result, the Company considered the quantity of rights available, cost benefit analysis included as ATTACHMENT A (*see* \MTN-004 ATTACHMENT 2.b.xlsx\ for revised attachment), utilized knowledge of transactions by potential competitors, market conditions, and forecasted imported replenishment water costs to make an informed decision.

RESPONDING WITNESSES: Zvirbulis

REQUEST NO. 2:
Referring to SG-8, Attachment A, cost-benefit analyses for recent water right purchases are provided. Please respond to the following regarding these analyses:

a. What is the basis for the forecasted increase in replacement water assessment (second column), and in particular, what is the basis for the significantly higher forecasted increase in 2026-27 (9.8%), 2027-28 (11.5%), and 2028-29 (8.3%) when compared to the years prior to and after those three years (which all ranged from 3.5% to 5%)?

b. Regarding the calculation of the Ratepayer Benefit threshold for the purchase from the William J. Knight Living Trust, the calculations appear to indicate a 20-year Ratepayer Benefit, but the number reported at the bottom-right corner is 16 years. Please explain this discrepancy.

RESPONSE NO. 2

a. The basis for the forecasted increase in the Replacement Water Assessment for fiscal years 2026-27, 2027-28, and 2028-29 is the Metropolitan Water District of Southern California's (MET) Resolution 9353 setting the Full Service Untreated Volumetric rate for calendar year 2026 (*see* \MTN-004 ATTACHMENT 2.a(1).pdf\page 6\), and MET's forecasted overall rate increase percentages for calendar years 2027, 2028, and 2029, as set forth in MET's Ten-year Financial Projection dated April 9, 2024 (*see* \MTN-004 ATTACHMENT 2.a(2).pdf\slide 6\). The adopted Full Service Untreated Volumetric rate of $984/AF for calendar year 2026 is shown in CELL B45, and the forecasted increases of 11.5%, 11.5% and 5.0% for calendar years 2027, 2028, and 2029, respectively, are shown in column C, lines 46 – 48 of the "INPUTS" tab in \MTN-004 ATTACHMENT 2.b.xlsx\, which is the workpaper supporting ATTACHMENT A to EXHIBIT SG-8 (Zvirbulis). Annual percentage increases are converted from calendar year basis to fiscal year basis in columns J and K (lines 37 – 53) of that same workpaper.

b. The 20-year Ratepayer Benefit indicated in the calculations is correct. Provided as \MTN-004 ATTACHMENT 2.b.xlsx\ is a revised version of ATTACHMENT A to EXHIBIT SG-8 (Zvirbulis) in which the Summary has been updated accordingly.

RESPONDING WITNESSES: Reiker, Zvirbulis

REQUEST NO. 3:
Please provide the total annual cost of source water for each of the past 5 years (2020-2024), for the Los Angeles Division.

RESPONSE NO. 3:

Year	Acct. 70420 - Groundwater	Acct. 70410 - Recycled Water	Acct. 40100 – Adj. to Surplus for Prior Fiscal Yr.	Total
2020	$19,224,752	$1,172,073	$92,205	$20,489,030
2021	$19,987,268	$1,590,755	($127,064)	$21,450,959
2022	$18,028,026	$1,705,646	($891,792)	$18,841,880
2023	$18,070,231	$1,257,645	($808,115)	$18,519,761
2024	$17,555,355	$1,640,894	($806,677)	$18,389,572

RESPONDING WITNESSES: Reiker

REQUEST NO. 4:
Please refer to the enclosed attachment, A2501001 Public Advocates DR MTN-004 Attachment A. For each of the past 5 years (2020-2024), and for each major category of source water used in a given year (i.e., leased water rights, cyclic storage, replenishment water, prescriptive rights, recycled water, other [other can be used for any smaller or incidental amounts if necessary for completeness and consistency with the total source water costs provided in Item 3 above]), provide the following data for actual source water volume and costs for the Los Angeles Division by filling in the related field of the Attachment A:

a. Maximum Annual Volume Allowed for SGVWC Use,

b. Annual Volume Used,

c. Annual Average Volumetric Cost ($/AF)

d. Total Annual Cost ($)

Enclosures: A2501001 Public Advocates DR MTN-004 Attachment A

RESPONSE NO. 4:
Please see \MTN-004 ATTACHMENT A.xlsx\

RESPONDING WITNESSES: Zvirbulis, Fealy

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

Attachment 11 (continued): MTN-004 Attachment A

ntn Request (DR) MTN-004 Attachment A

Year (2020, 2021, 2022, 2023, or 2024)		Major Category of Source Water	Maximum Annual Volume Allowed/Purchased for Which Use Can Be Made (AF)	Annual Volume Used (AF)	Annual Average Volumetric Cost ($/AF)	Total Annual Costs ($)	Notes
FY 2019/20	Main San Gabriel Basin	Groundwater Pumping	35,952.17	30,516.44	$195.00	$5,835,212.69	Main SGV Basin Watermaster In-Lieu, Admin, ROA Assessments
		Leased Water In: 2019 Price	550.00		$750.60	$412,830.00	Lease prices change on January 1 of every year. Depending on when the lease is executed during the fiscal year the lease price will vary.
		Leased Water In: 2020 Price	2,926.23		$772.20	$2,259,634.03	
		Cyclic Storage Applied to Avoid RWA Assessment	11,388.04		$791.30	$9,012,301.26	
		Miscellaneous Assessments				$285,283.58	SGVW Association Assessment, WQA Prescriptive Pumping Assessment, and SGV Protective Assessment
		Recycled Water: Workman Mill & Whittier Narrows	-	1,191.53	$766.40	$913,389.55	Subject to availability of recycled water
		Recycled Water: South El Monte	-	74.20	$377.31	$27,999.60	Subject to availability of recycled water
		Subtotal - Main Basin	30,516.44			$19,746,649.41	
	Central Basin	Groundwater Pumping	2,565.35	701.05	$395.00	$355,883.35	WRD Water Replenishment Assessment
		Central Basin MWD Potable Water	1.88	1.88	$1,241.14	$2,333.34	
		Miscellaneous Assessments				$46,838.88	CBMWD - Meter Service Charge & Fixed Meter Service Charge.
		Miscellaneous Assessments		2,565.35	$3.35	$5,776.76	WRD - Watermaster Administrative Body, WRD - Watermaster Water Rights Panel, CBWA Assessment
		Recycled Water: Central Basin MWD	-	122.42	$759.00	$92,936.50	Subject to availability of recycled water
		Leased Water Out:	(400.00)		$140.00	($56,000.00)	
		Subtotal - Central Basin	2,167.23			$340,920.75	
FY 2020/21	Main San Gabriel Basin	Groundwater Pumping	35,742.11	32,826.85	$200.00	$6,531,330.00	Main SGV Basin Watermaster In-Lieu, Admin, ROA Assessments
		Leased Water In: 2020 Price	970.00		$772.20	$749,034.00	Lease prices change on January 1 of every year. Depending on when the lease is executed during the fiscal year the lease price will vary.
		Leased Water In: 2021 Price	6,959.32		$792.00	$5,511,761.44	
		Cyclic Storage Applied to Avoid RWA Assessment	8,935.32		$855.75	$7,646,342.10	
		Miscellaneous Assessments				$288,387.77	SGVW Association Assessment, WQA Prescriptive Pumping Assessment, and SGV Protective Assessment
		Recycled Water: Workman Mill & Whittier Narrows	-	1,480.36	$784.00	$1,174,734.24	Subject to availability of recycled water
		Recycled Water: South El Monte	-	95.80	$433.94	$41,571.45	Subject to availability of recycled water
		Subtotal - Main Basin	52,606.95			$21,933,360.70	
	Central Basin	Groundwater Pumping	2,565.35	60.74	$382.00	$23,202.68	WRD Water Replenishment Assessment
		Miscellaneous Assessments				$21,840.00	CBMWD - Meter Service Charge
		Miscellaneous Assessments		2,565.35	$3.17	$5,570.76	WRD - Watermaster Administrative Body, WRD - Watermaster Water Rights Panel, CBWA Assessment
		Recycled Water: Central Basin MWD	-	260.34	$768.93	$236,775.88	Subject to availability of recycled water
		Leased Water Out:	(1,000.00)		$140.00	($140,000.00)	
		Subtotal - Central Basin	1,565.35			$126,569.45	
FY 2021/22	Main San Gabriel Basin	Groundwater Pumping	35,742.11	28,959.32	$200.00	$5,791,864.00	Main SGV Basin Watermaster In-Lieu, Admin, ROA Assessments
		Leased Water In: 2021 Price	700.00		$792.00	$554,400.00	Lease prices change on January 1 of every year. Depending on when the lease is executed during the fiscal year the lease price will vary.
		Leased Water In: 2022 Price	4,580.66		$811.00	$3,716,579.76	
		Cyclic Storage Applied to Avoid RWA Assessment	6,588.31		$855.75	$5,637,967.27	
		Cyclic Storage Applied to Avoid RWA Assessment	1,748.34		$888.00	$1,161,464.72	
		Miscellaneous Assessments				$291,304.65	SGVW Association Assessment, WQA Prescriptive Pumping Assessment, and SGV Protective Assessment
		Recycled Water: Workman Mill & Whittier Narrows	-	1,751.63	$801.60	$1,404,106.61	Subject to availability of recycled water
		Recycled Water: South El Monte	-	79.17	$376.07	$29,631.80	Subject to availability of recycled water
		Subtotal - Main Basin	26,959.32			$18,614,804.80	
	Central Basin	Groundwater Pumping	2,565.35	2,560.10	$394.00	$1,009,036.42	WRD Water Replenishment Assessment
		Miscellaneous Assessments				$21,555.00	CBMWD - Meter Service Charge
		Miscellaneous Assessments		2,565.35	$3.98	$5,092.79	WRD - Watermaster Administrative Body, WRD - Watermaster Water Rights Panel, CBWA Assessment
		Recycled Water: Central Basin MWD	-	220.33	$798.00	$300,361.52	Subject to availability of recycled water
		Leased Water In:	386.58		$128.00	$46,380.00	
		Subtotal - Central Basin	2,951.85			$1,242,425.70	
FY 2022/23	Main San Gabriel Basin	Groundwater Pumping	35,742.45	26,551.84	$201.00	$5,336,920.84	Main SGV Basin Watermaster In-Lieu, Admin, ROA Assessments
		Leased Water In: 2023 Price	4,642.00		$842.20	$4,017,401.38	
		Cyclic Storage Applied to Avoid RWA Assessment	6,161.31		$888.00	$5,421,952.68	
		Miscellaneous Assessments				$286,567.22	SGVW Association Assessment, WQA Prescriptive Pumping Assessment, and SGV Protective Assessment
		Recycled Water: Workman Mill & Whittier Narrows	-	1,386.00	$846.40	$1,173,055.23	Subject to availability of recycled water
		Recycled Water: South El Monte	-	62.82	$380.76	$23,740.82	Subject to availability of recycled water
		Subtotal - Main Basin	26,551.84			$16,145,423.36	
	Central Basin	Groundwater Pumping	2,569.42	2,429.51	$411.00	$998,883.61	WRD Water Replenishment Assessment
		Central Basin MWD Potable Water		135.48	$1,377.00	$186,556.51	
		Miscellaneous Assessments				$32,590.97	CBMWD - Meter Service Charge, Fixed Service Charge, MET Capacity Charge
		Miscellaneous Assessments		2,569.42	$2.03	$5,205.51	WRD - Watermaster Administrative Body, WRD - Watermaster Water Rights Panel, CBWA Assessment
		Recycled Water: Central Basin MWD	-	210.17	$799.99	$166,872.39	Subject to availability of recycled water
		Subtotal - Central Basin	2,569.42			$1,389,888.39	
FY 2023/24	Main San Gabriel Basin	Groundwater Pumping	35,931.40	26,766.78	$203.00	$5,380,122.76	Main SGV Basin Watermaster In-Lieu, Admin, ROA Assessments
		Leased Water In: 2023 Price	550.00		$842.20	$476,210.00	Lease prices change on January 1 of every year. Depending on when the lease is executed during the fiscal year the lease price will vary.
		Leased Water In: 2024 Price	6,415.74		$905.40	$5,808,831.09	
		Cyclic Storage Applied to Avoid RWA Assessment	3,879.64		$888.00	$3,414,083.20	
		Waiver of Assessments - B6 Treatment Discharge Credit to Cyclic Storage Account		(7.59)	$1,006.00	($7,635.54)	Requested waiver of assessments pursuant to Section 3.4.2 of the 2017 BPOU Agreement, on the water produced from Plant 6 6 from extraction wells 6-28A, 6-29, 6-29A, and 6-29B. The water was discharged during the Start-up/Testing period for Prop 1 UV Flex Demonstration Project and for BDW's acceptance.
		Miscellaneous Assessments				$249,001.67	SGVW Association Assessment, WQA Prescriptive Pumping Assessment, and SGV Protective Assessment
		Recycled Water: Workman Mill & Whittier Narrows	-	1,310.37	$884.80	$1,159,435.37	Subject to availability of recycled water
		Recycled Water: South El Monte	-	57.33	$446.23	$25,582.37	Subject to availability of recycled water
		Subtotal - Main Basin	26,766.78			$16,639,384.95	
	Central Basin	Groundwater Pumping	2,569.42	2,323.96	$422.00	$1,241,059.62	WRD Water Replenishment Assessment
		Central Basin MWD Potable Water		317.83	$1,381.13	$452,889.91	
		Miscellaneous Assessments				$51,775.06	CBMWD - Fixed Service Charge, Flow Violation, MET Capacity Charge
		Miscellaneous Assessments		2,569.42	$2.14	$5,498.17	WRD - Watermaster Administrative Body, WRD - Watermaster Water Rights Panel, CBWA Assessment
		Recycled Water: Central Basin MWD	-	231.21	$798.00	$392,952.13	Subject to availability of recycled water
		Subtotal - Central Basin	2,569.42			$1,833,763.89	

ATTACHMENT 12: SGVWC's Response to Cal Advocates' Data Request MTN-010

SAN GABRIEL VALLEY WATER COMPANY

March 28, 2025

Mehboob Aslam
Water Branch, Cal PA
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

(by email)

Re: **Response to Data Request No. MTN-010 (Water Rights Purchase)**

Dear Mr. Aslam:

In response to your data request dated March 21, 2025, San Gabriel Valley Water Company (San Gabriel or Company) responds as follows:

REQUEST NO. 1:
Referring to Attachment 2.b.xlsx from SGVWC's Response to Data Request No. MTN004 (Water Rights): the "INPUTS" tab shows Metropolitan Water District's (MWD) adopted Full Service Untreated Tier 1 Rates for 2023 and 2024 at $855 and $903 per acre-foot, respectively; the two tabs labeled "2023 Purchase" show a Fiscal Year 2023-24 Replacement Water Cost of $1,106 per acre-foot.

a. Please confirm if the Fiscal Year 2023-2024 Replacement Water Cost is based on utilizing MWD Full Service Untreated Tier 1 water as the source of replacement water.

   i. If not, explain what the assumed replacement water source is and the basis for the corresponding Fiscal Year 2023-24 Replacement Water Cost ($1,106/acre-foot). Provide supporting documents and calculations.

   ii. If yes, please explain why the Fiscal Year 2023-24 Replacement Water Cost is significantly higher than the adopted MWD rates referenced above. Provide supporting documents and calculations.

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RESPONSE NO. 1

a. Yes. Please refer to EXHIBIT SG-9 (Fealy), Attachment D, specifically Resolution No. 05-24-320. The adopted 2023-24 Replacement Water Cost is shown as $1,106/acre-feet. The adopted rate includes an Upper San Gabriel Valley Municipal Water District surcharge and a fee assessed by the Main San Gabriel Basin Watermaster in addition to the Full-Service Untreated Tier 1 rate.

RESPONDING WITNESSES: Zvirbulis, Fealy

Please call me at (626) 448-6183 with any questions regarding this information.

Sincerely,

/s/ Joel M Reiker

Joel M. Reiker
Vice President, Regulatory Affairs

/encl.

ATTACHMENT 13: Data received in an email from Joel M. Reiker of SGVWC on 4/28/2025

Outlook

RE: [EXTERNAL] Meeting to discuss Cyclic Storage

From Joel M. Reiker <jmreiker@sgvwater.com>
Date Mon 4/28/2025 2:14 PM
To Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>
Cc Chan, Victor <victor.chan@cpuc.ca.gov>; Tosney, Meghan <Meghan.Tosney@cpuc.ca.gov>; Andrade, Anthony <Anthony.Andrade@cpuc.ca.gov>

1 attachment (12 KB)
Cyclic Storage Balance 2024.12.31.xlsx;

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.

Mehboob et al.,

Please see attached.
Joel

From: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>
Sent: Monday, April 28, 2025 11:58 AM
To: Joel M. Reiker <jmreiker@sgvwater.com>
Cc: Chan, Victor <victor.chan@cpuc.ca.gov>; Tosney, Meghan <Meghan.Tosney@cpuc.ca.gov>; Andrade, Anthony <Anthony.Andrade@cpuc.ca.gov>
Subject: RE: [EXTERNAL] Meeting to discuss Cyclic Storage

External sender <mehboob.aslam@cpuc.ca.gov>
Make sure you trust this sender before taking any actions.

Hi Joel,

Yes, 1:30 PM works for us. Please send the meeting invite to all in the CC list as well.

Thanks,
Mehboob

From: Joel M. Reiker <jmreiker@sgvwater.com>
Sent: Monday, April 28, 2025 11:50 AM
To: Aslam, Mehboob <mehboob.aslam@cpuc.ca.gov>
Cc: Chan, Victor <victor.chan@cpuc.ca.gov>
Subject: [EXTERNAL] Meeting to discuss Cyclic Storage

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.

Mehboob,

Can you do 1:30pm today? Chanisa is available but only until 2pm today. Let me know and I'll send a Zoom link.
Thx,
Joel

This email transmission, and any documents, files or previous e-mail messages attached to it, may contain confidential, privileged and/or proprietary information for the sole use of the intended recipient(s). If you are not an intended recipient or a person responsible for delivering it to an intended recipient, any disclosure, copying, distribution or use of any of the information contained in or attached to this transmission is strictly prohibited. If you have received this transmission in error, please: (1) immediately notify me by reply e-mail; and (2) destroy the original (and any copies) of this transmission and its attachments without reading or saving in any manner.

Schedule E : Cyclic Storage - Main Basin		A/C# 10-132-31	
Pre-purchase Voucher/Date	AF	Total Cost ($)	Cost/AF
Prepaid bal.@12/31/20	**15,523.53**	**13,284,305.48**	
Used FY 2020-21	(8,935.22)	(7,646,342.20)	
Subtotal	6,588.31	5,637,963.27	
INV.06-21-02 CYCLIC 15,000 AF@ $880	15,000.00	13,200,000.00	$880.000
Prepaid bal.@12/31/21	**21,588.31**	**18,837,963.27**	
Used FY 2021-22	(7,936.55)	(6,824,417.99)	
Subtotal	13,651.76	12,013,545.28	
INV.12-22-02 CYCLIC 10,000 AF@ $902	10,000.00	9,020,000.00	$902.000
Prepaid bal.@12/31/22	**23,651.76**	**21,033,545.28**	
Used FY 2022-23	(6,161.31)	(5,421,952.80)	$880.000
Prepaid bal.@12/31/23	**17,490.45**	**15,611,592.48**	
Used FY 2023-24	(3,879.64)	(3,414,083.20)	$880.000
Prepaid bal.@12/31/24	**13,610.81**	**12,197,509.28**	$896.164

ATTACHMENT 14: Qualifications of Witness

QUALIFICATIONS AND PREPARED TESTIMONY
OF
MEGHAN TOSNEY

Q.1 Please state your name and address.

A.1 My name is Meghan Tosney, and my business address is 400 R Street, Sacramento, CA, 95811.

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

A.2 I am employed by the Commission's Cal Advocates Office as a Senior Utilities Engineer.

Q.3 Please describe your educational and professional experience.

A.3 I have a BS in Civil Engineering from the University of California, Los Angeles, and an MS in Civil Engineering from the University of California, Berkeley. I have worked as an engineer in the water sector for approximately 20 years, working both in private consulting and for the State of California.

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

A.4 I am responsible for preparing testimony on utility plant, depreciation, and rate base.

Q.5 Does that complete your prepared testimony?

A.5 Yes.