



Valley Water

Fiscal Year 2021 - 25

Water Utility Enterprise Maintenance Work Plan

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FY 2021-2025 Maintenance Work Plan

Water Utility Enterprise

Effective: July 1,2020

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I. EXECUTIVE SUMMARY

Overview of Maintenance Work Plan

This Five-Year Maintenance Work Plan (MWP) identifies the water utility planned asset rehabilitation and replacement projects scheduled for the next five fiscal years. Each year, the asset management, maintenance, engineering, and operations staff work together to prepare the plan to ensure that Valley Water’s Water Utility assets are appropriately maintained. The MWP provides Management, Maintenance and Capital staff the following:

1. Guidance to water utility maintenance staff for planning and scheduling projects; refer to Appendices A and B.
 - o The core MWP recommendations for planned work (PW) suggested to be conducted over the upcoming fiscal year and is fixed, whereas the work listed for the remaining four years of the five-year rolling plan is adjusted based on changing conditions.
2. A five-year forecast of asset rehabilitation and replacement costs; refer to Section V.
3. Review of FY2020 MWP; refer to Appendix C

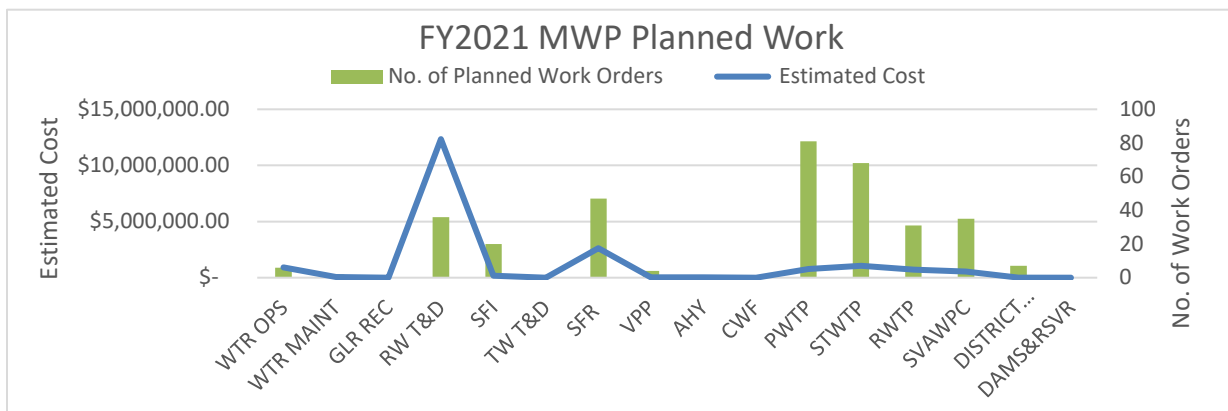
MWP Program Success

The MWP program success for each fiscal year is defined by:

- 40% or better completion rate of the MWP recommended PW since approximately 95% of Water Utility assets have a low business risk exposure score; refer to Section II.
- Ratio of corrective maintenance to preventative maintenance total cost below 0.8, which has historically exceeded 1.0.

FY2021 MWP Planned Work

The following figure shows over 300 PW items scheduled in FY2021 across various Water Utility facilities. This plan estimates nearly \$19.3 Million of planned asset rehabilitation and replacement projects for Valley Water’s Water Utility assets for fiscal year 2021.



FY2020 MWP Planned Work Summary

A total of 134 (over 40%) of the MWP FY2020 recommended PW items were completed as of June 4, 2020, which required 3,216 staff hours and \$440,963, whereas 326 backlog work orders were carried over from FY18, FY19, and FY20. The carried over work may have been overstated since 100 of the backlog work orders were charged to the Pipeline Rehabilitation Projects instead of Asset Maintenance work.

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II. INTRODUCTION AND BACKGROUND

This Five-Year Maintenance Work Plan (MWP) identifies the water utility planned asset rehabilitation and replacement projects scheduled for the next five fiscal years, 2021 to 2025. Each year, asset management, maintenance, engineering, and operations staff work together to prepare the plan to ensure that Valley Water's Water Utility assets are appropriately maintained.

As of May 2020, approximately 95% of Water Utility assets have a low business risk exposure score indicating that the assets are appropriately maintained. Business risk exposure scores are a product of consequence and probability of failure. The probability of failure scores (POF) are based on the condition assessments. During the condition assessment, assets are visually inspected and operated. These POF scores do not factor failures due to level of service, operation, water quality, design, and etc.

The plan provides guidance to Water Utility maintenance staff for planning and scheduling projects as well as a five-year forecast of asset rehabilitation and replacement costs. Additionally, the plan identifies asset rehabilitation and replacement projects that could be included in the Capital Improvement Program (CIP).

The core of the MWP is the list of planned work (PW) suggested to be conducted over the upcoming fiscal year. The work lists for the first year of the five-year rolling plan are fixed. The following four years may be adjusted based on conditions at the end of the first year. The plan is updated annually.

This year's plan identifies **\$19.3 M** of planned asset rehabilitation and replacement projects for Valley Water's water utility assets for FY2021.

Note: This total estimated cost of \$19.3 does not include carry forward work from prior years, or large/individual capital projects.

Background

A key step in ensuring water utility assets are appropriately maintained is to establish maintenance schedules. Maintenance schedules are typically based on manufacturers' recommendations, subject matter expertise, and maintenance schedules for similar assets. Schedules are revised periodically based on field and operating conditions. For example, if a pump is due for a re-build, but required less service time than anticipated, the re-build may be delayed for a period.

There are two types of maintenance activities that are scheduled: preventive maintenance work and planned work.

Preventive Maintenance (PM) work is planned routine maintenance to prevent premature asset failure, such as an oil change for a gear box. PM activities occur weekly, monthly, quarterly, semi-annually, or annually, depending on the activity. When a PM work task becomes due for an asset, Maximo (Valley Water's computerized maintenance management system or CMMS), automatically generates a work order for maintenance staff to perform the task. The water utility completes approximately 14,000 PM work orders each year.

Planned Work (PW) refers to planned asset rehabilitations and replacements, such as a pump rebuild or tank re-lining project. PW activities occur less frequently, usually every 5 to 10 years. The PW projects are selected to optimize asset performance, maintain, or improve reliability within an acceptable risk tolerance, and to minimize asset life-cycle costs.

On the other hand, corrective maintenance activities are unscheduled and specifically address unplanned failures.

This five-year MWP identifies what PW activities are due each year for all Water Utility assets. The PW projects are identified in the five-year MWP with estimated costs that are intended to support Valley Water's operations and long-term capital budgeting processes.

Execution of the PW projects is predominately performed through the Treatment Plant Maintenance Unit (555) and the Raw Water Field Operations and Pipeline Maintenance Unit (585). Additional technical support is provided by the Utility Maintenance Engineering Unit (435), the Raw Water Operations Unit (455), the Utility Electrical and Control Systems Engineering Unit (545), and other Valley Water units including Watershed Field Operations units, Facilities management and the Environmental Health and Safety Unit. Outside contractors are used as needed.

The five-year planning was initiated in 2017. Prior to this, from 2006 to 2016, the list of PW activities was compiled into the Annual Maintenance Work Plan. These annual plans identified the PW projects for just one fiscal year. In 2017, staff began publishing a Five-Year MWP to better plan, budget, and schedule the labor and resources needed for the projects.

Copies of these documents are available on the Valley Water intranet on the asset management web site at <http://www.aqua.gov/asset-management-library>.

III. MAINTENANCE WORK PLAN DEVELOPMENT METHODOLOGY

Asset Management Program staff track PW schedules and develop forecasts of future infrastructure rehabilitation and replacement activities as well as costs using a software tool Asset Management Planning Tool (AMPT). AMPT contains the database of water utility assets and their scheduled rehabilitations and replacements, and the costs of those rehabilitations and replacements.

Each year, staff generates a list of all PW activities required for water utility assets for the next five years from the AMPT database. The PW project list is finalized through a collaborative process with Treated Water Operations & Maintenance, Raw Water Operations and Maintenance, and Water Utility Capital Divisions. Maintenance, operations, engineering, and asset management staff from the three divisions validate and prioritize the PW list based on asset risk. Rehabilitation of higher risk assets is prioritized above rehabilitation of lower risk assets. Asset risk is measured by probability and consequence of failure.

Probability of Failure measures how likely an asset is to fail based on its condition. For all scheduled PW projects, staff validates field condition and estimates remaining asset life. If assets are found in good condition, PW projects are rescheduled to future years.

Consequence of Failure measures the impact of asset failure on service delivery, public safety, community property, the environment, finances, and reputation.

Projects to rehabilitate high risk assets (poor condition and/or high consequence of failure) are considered high priority and are planned for implementation sooner than projects for lower risk assets. These projects are listed at the top of the FY2021 MWP Planned Work List in Appendix A. Maintenance history, equipment failure rates, and maintenance cost over the previous year are also taken into consideration during the process of developing the PW project lists for the MWP. Maintenance history data from Maximo helps identify those assets with high failure rates and high maintenance cost compared to replacement value. Finally, Valley Water operations, maintenance, and engineering management and staff provide input on the assets and projects included in the PW list for the MWP.

This year, a draft FY2021 PW project list was completed in August 2019 to provide input to the budget process. The draft PW project lists provided justification for the Water Utility maintenance budget for the upcoming fiscal years. The draft PW project list underwent several iterations from November 2019 to May 2020 based on input from maintenance units. Maintenance and engineering staff recommended additional projects for inclusion in the MWP as well as projects to be delayed to future years. In May 2020, a final list of projects was prepared and is included in this report.

Sometimes projects scheduled for the next fiscal year cannot be completed due to operational constraints (such as requiring a facility shutdown), parts delays, resource availability and other reasons. Any projects that are not completed are carried over to the following fiscal year to be completed. Consequently, this plan also provides lists of work carried over from prior years (FY2020 and earlier).

Project Execution

The PW projects in the Five-Year MWP are budgeted and executed as either operating projects, small capital projects, or individual capital projects, as described below. In the past Annual Maintenance Work Plans, many PW projects were executed as operating projects. In recent years, the Water Utility shifted to executing most PW projects as small capital projects, as most PW projects include an asset replacement or major rehabilitation, which constitutes a capital investment.

Operating Projects: PW projects that involve inspection or testing activities are not capital investments. They are conducted under one of the maintenance operating projects identified in Valley Water's budget (i.e., Raw Water T&D General Maintenance, Rinconada WTP General Maintenance, etc.). Biannual electrical testing or chemical tank inspection are examples of PW activities budgeted under operating projects. These projects are completed by maintenance staff and may require engineering, environmental and/or contractor support.

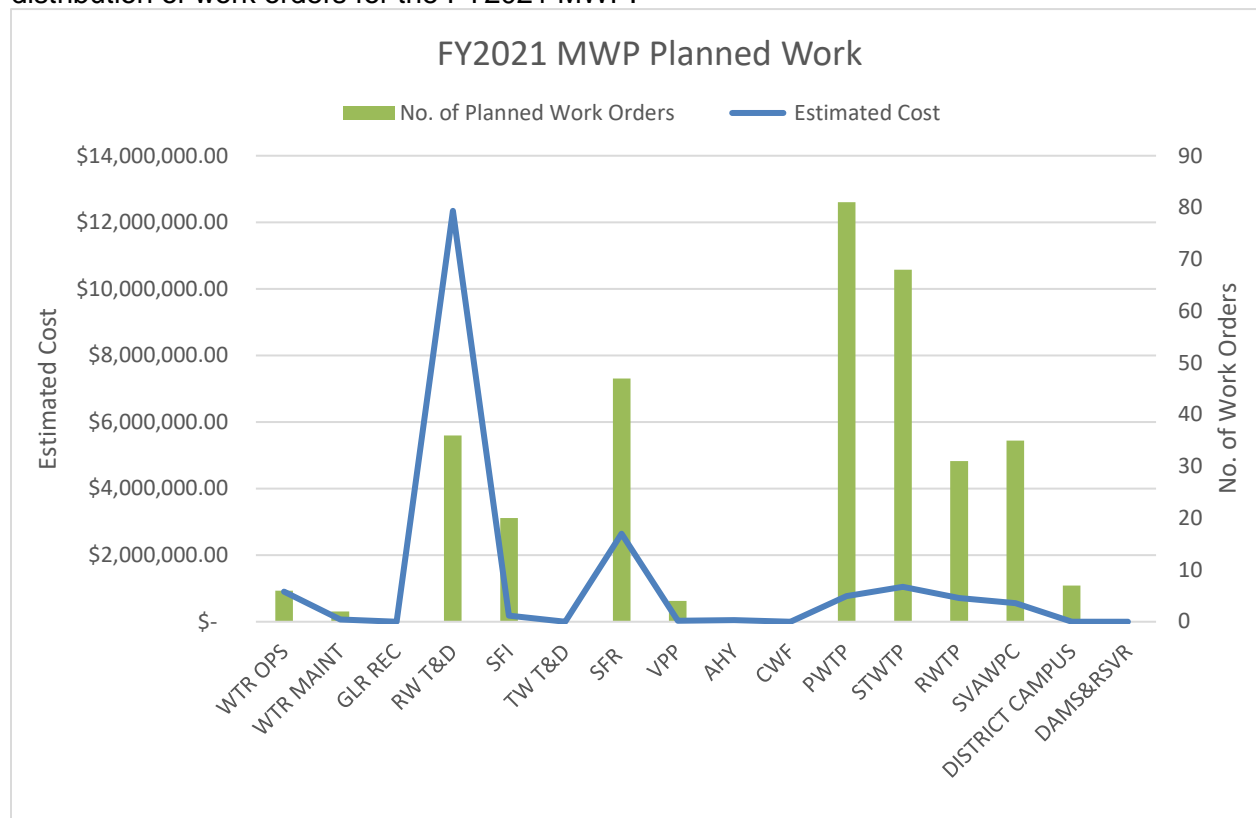
Small Capital Projects: Smaller scope replacement or rehabilitation projects, such as a single pump re-build, are planned, bundled, and executed in the Water Treatment, Treated Water Transmission, Raw Water Transmission, or San Felipe Reach 1-3 Small Capital Improvement Projects in Valley Water's five-year CIP. The scopes of each of the Small Capital Improvement Projects change annually based on the work identified in the Five-Year Maintenance Work Plan. The replacement of the filter media for the filter basins at Penitencia Water Treatment Plant is an example of a PW project completed in the Water Treatment Small Capital Improvement Project in 2015. These projects are completed by maintenance staff or contractors. They may require engineering and environmental support thus may need to be competitively bid.

Individual Capital Projects: Occasionally, the PW projects can be grouped together to create an individual capital project. In such case, staff initiates a new project in the CIP for the PW. On average, one new capital project is identified in the Five-Year Maintenance Work Plan each year. One example is the Vasona Pumping Plant Upgrades, which is a project in Valley Water’s current five-year CIP. Several pumps, motors, drives, valves, and other equipment within the pump station were due for replacement in 2016. The multiple asset replacements were combined into one project, to be executed under the CIP.

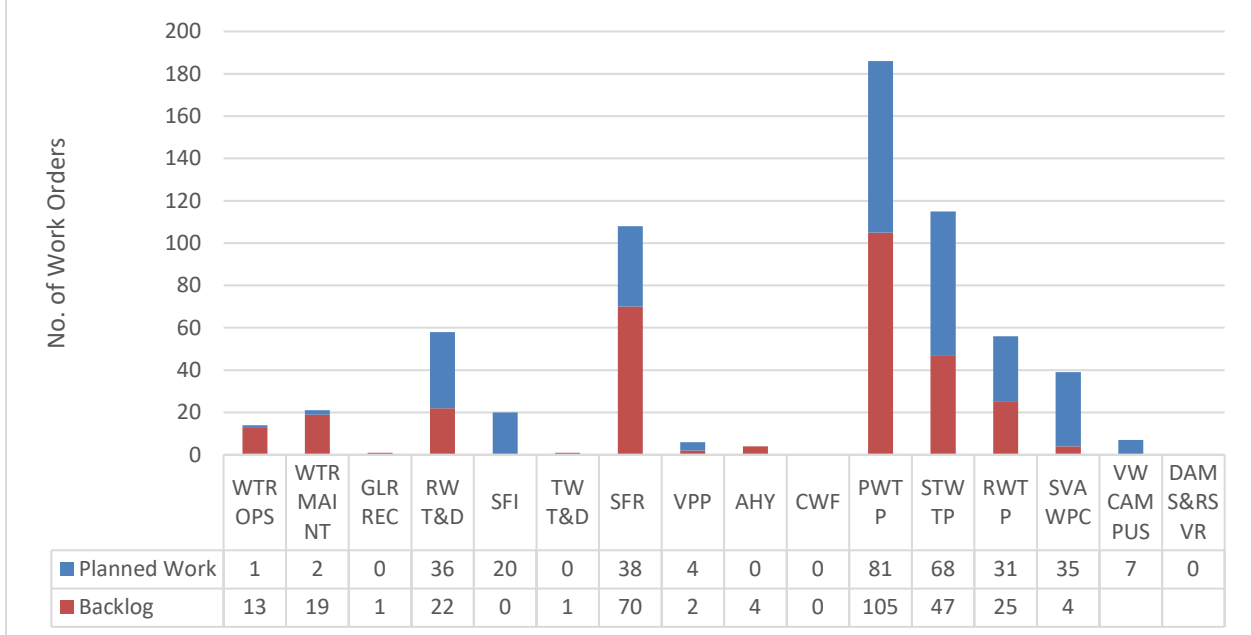
In addition, the pipeline inspection and rehabilitation projects are identified in the Five-Year MWP and executed as capital projects. The inspections and rehabilitations planned for the next several years will be budgeted and executed in the Ten-Year Pipeline Rehabilitation Capital Project.

IV. FISCAL YEAR 2021 PLANNED WORK

The core of the MWP is the list of PW to be conducted over the upcoming fiscal year. Appendix A contains tables which identify the PW activities for FY21 and the backlog for all Water Utility facilities. The estimated project costs provided in the tables include services and supply costs as well as estimated labor hours. Work order numbers are provided and used for tracking all work associated with the projects. The following two figures provide a summary of costs and the distribution of work orders for the FY2021 MWP.



Total Work Orders for FY2021 MWP and Backlog*



*Backlog as of June 4, 2020

All other PW projects will be completed under Valley Water’s Small Capital Improvement Projects. The Pipeline Rehabilitation Program, categorized as CIP, covers planned work for pipelines.

V. FISCAL YEAR 2022-2024 PLANNED WORK SUMMARY

This section provides a high-level summary of PW activities for year two through five of the five-year MWP. Figures 1 through 15 summarize the projected PW projects to be completed in FY 2022-2024. The project costs provided in the figures only include equipment and material costs but not the associated labor costs. The detailed project lists can be found in Appendix B.

Expanding the MWP horizon from a single year to five-years allows staff to review the workload by year and see trends and peaks in workload, asset class, or facility. This also provides staff with an opportunity to look for efficiencies and balance the work between the years.

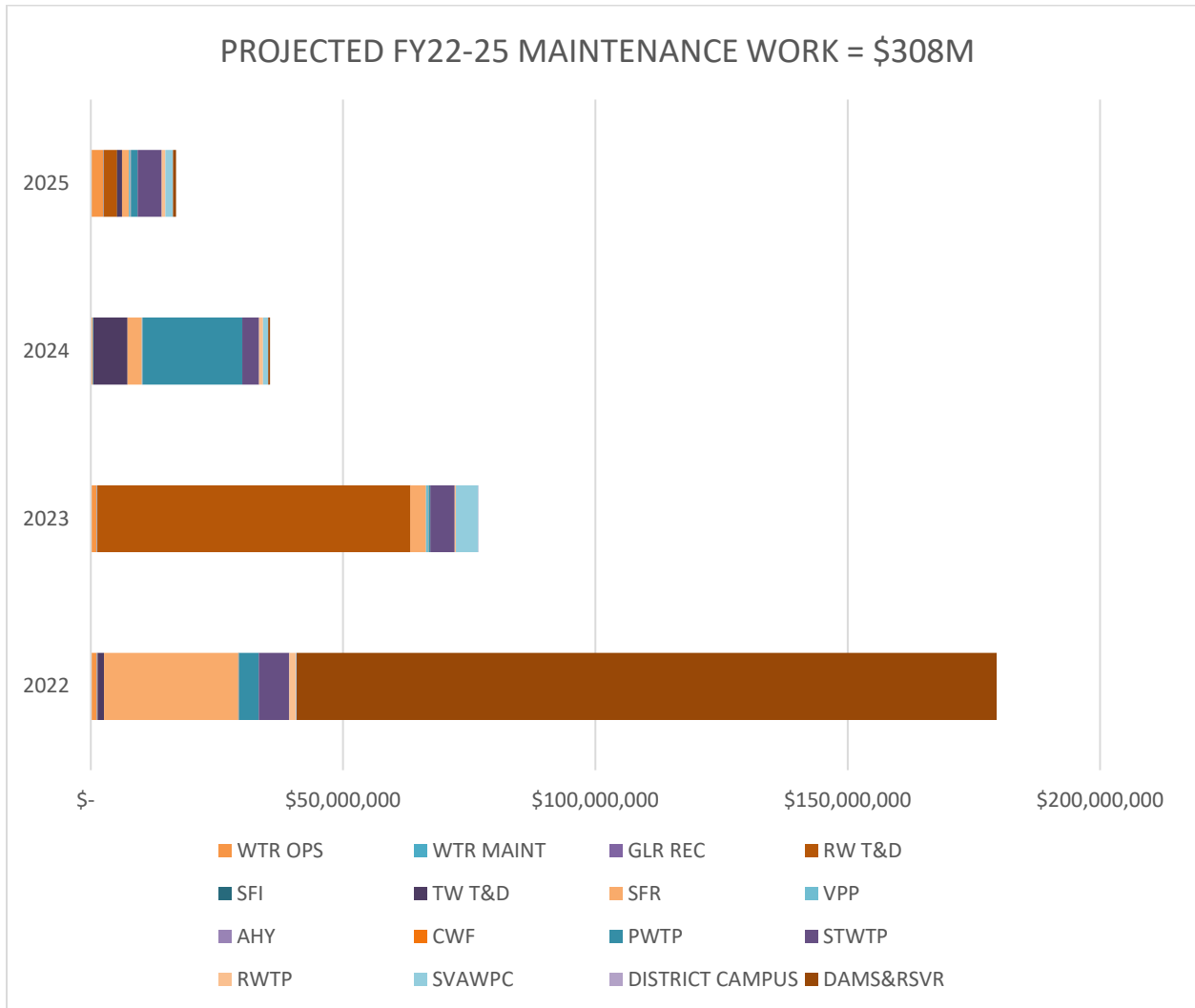
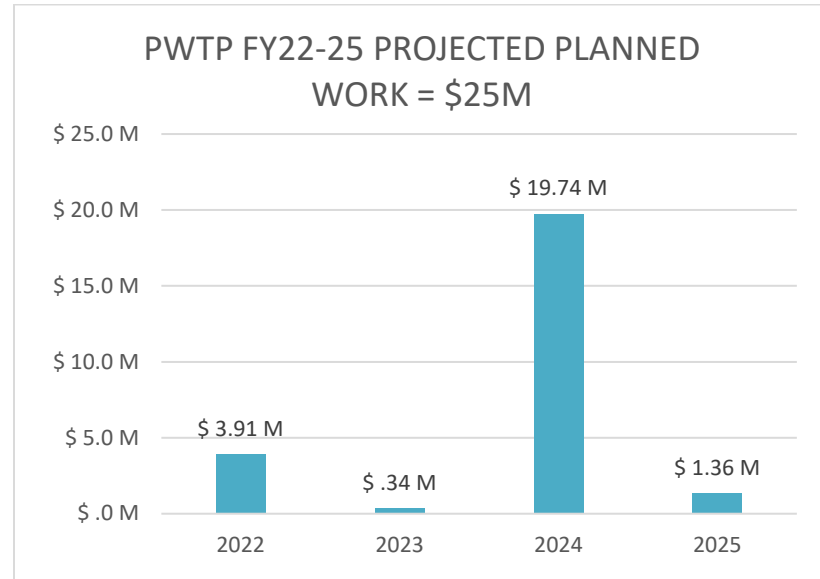
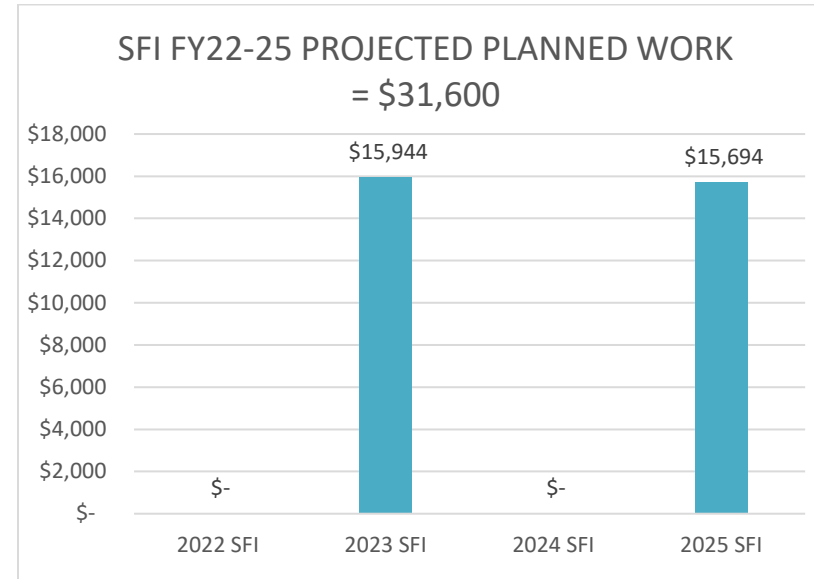


Figure 1: Penitencia Water Treatment Plan (PWTP) FY22-25 Projected Planned Work



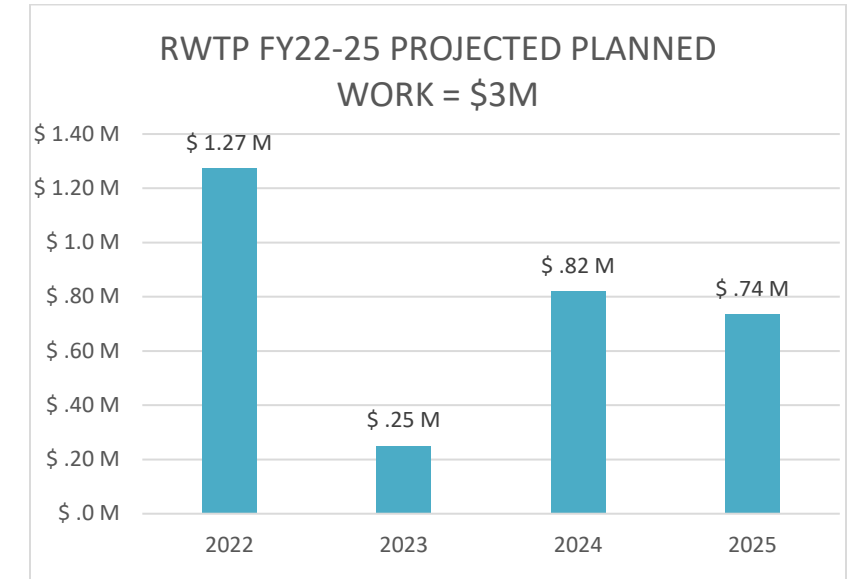
Year	Most Expensive MWP Planned Work for PWTP
2022	-#2&5 Filter replacement (~ \$1M per filter) -NH4 storage tank replacement (~\$120K) -Carbon tank inspection and rehabilitation (~\$200K per tank)
2023	-Stand-by generator control panel inspection and rehabilitation of PCP as need (~\$36K) -OCL storage tank #1&3 replace liner and/or rehabilitation (~\$25k per tank) -Belt Press conveyor belt rehabilitation (~\$22.5K)
2024	-Flocculator #1-3 replacements (~\$2.5M per flocculator) -Clearwell replacement (~\$1 M) -SBA aqueduct tank replacement (~\$1 M) -Main switchgear replacement (~\$600K)
2025	-If Flocculators are not replaced in 2024, Inspections are scheduled (~\$200K per flocculator) -MCC inspection and replacements in Utility Building and Ops (~\$250)

Figure 2: San Francisco Intertie FY22-25 Projected Planned Work



Year	Most Expensive MWP Planned Work for SFI
2022	No planned work is scheduled as of June 2020.
2023	-SFI Cross-Connection Survey administration cost (~\$10k) -SFI Pump Station Transformer inspection (~\$4k) -SFI Backup Generator Fuel Unloading Pump replacement (~\$2k)
2024	No planned work is scheduled as of June 2020.
2025	-SFI Pump Station Main Control Panel inspection and replacement (~\$11k) -SFI Pump Station Transformer inspection (~\$4k)

Figure 3: Rinconada Water Treatment Plant (RWTP) FY22-25 Projected Planned Work

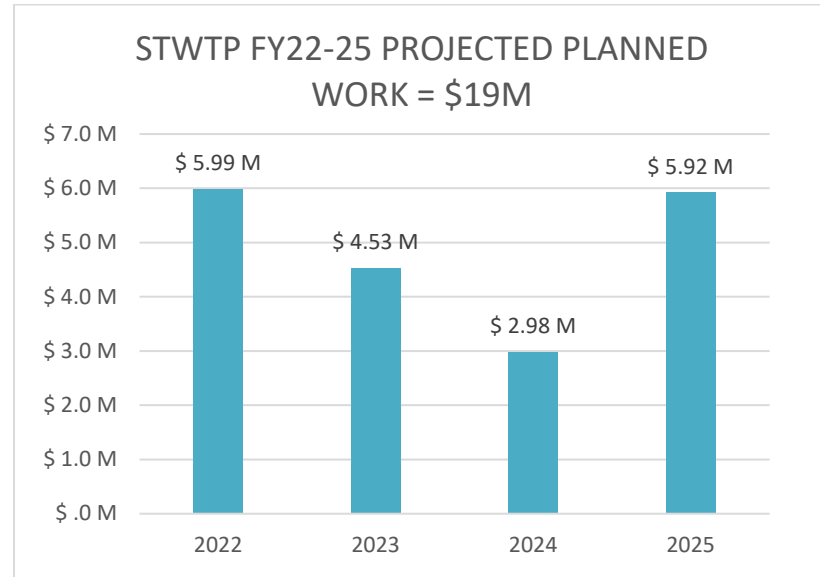


Year	Most Expensive MWP Planned Work for RWTP
2022	-Raw Water Inlet valve 48 Inch (BL1) replacement (~\$450K)
2023	-Caustic Tank #1&2 control panel replacement (~\$36K) -Plant Water Pump motor replacement #2 (~\$11K) -Catpoly/Alum mixer rehabilitations (~\$10K)
2024	-Flocculator#2-4 rake drive gearbox rehabilitation (~\$150K per asset) * -Switchgear 1 and Substation Breaker Control Panel replacement (~\$36k per control panel) -Electrical Testing (~\$35k) -Clearwell inspections (~\$15k per clearwell)
2025	-Replacement Booster Pump (~150K) and Motor (~\$100k) -Replacement of Plant Water pumps #1-3 (~\$70K per pump) -OCL Storage tank replacements #2&3 (~\$25k per tank)

Disclaimer: RWTP projected planned work is anticipated to change once AMPT is updated with the newly installed assets per the CIP project. AMPT will be updated with RWTP new assets starting in FY2021 and will continue until the CIP completion. *

All replacements are pending condition assessment. Rehabilitations maybe conducted in place of replacement.

Figure 4: Santa Teresa Water Treatment Plant (STWTP) FY22-25 Projected Planned Work

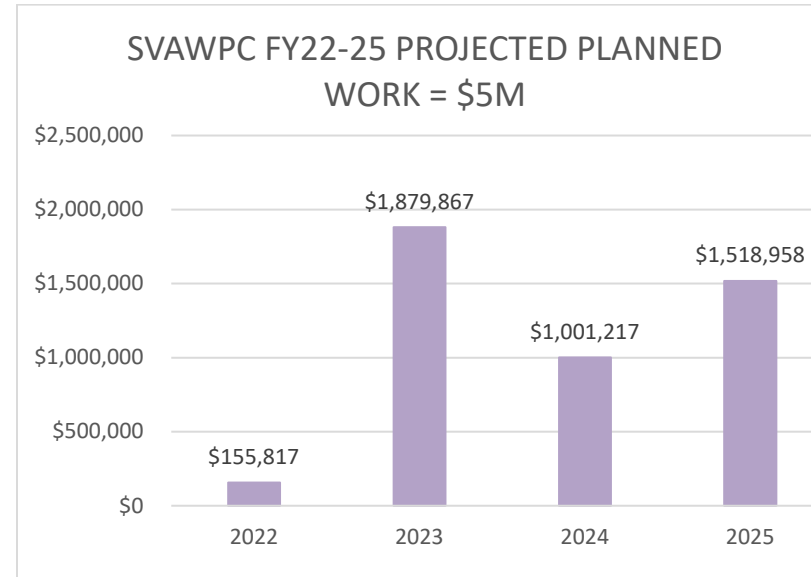


*Includes Graystone pumping station projects

Year	Most Expensive MWP Planned Work for STWTP
2022	-Filter media replacement (~\$300K per filter) and structure rehabilitation/coating (~200K per filter) for West Filters #1-6 -Settled Water Transition, buried 84 inch, valve replacement (~\$220K) -Backwash (P-9) replacement of pump (~\$142K) and motor (~\$100k) -Flock Mixers (1st, 2 nd , 3 rd stage) replacements (~42K per mixer) 16 mixers total
2023	-Filter media replacement (~\$300K per filter) and structure rehabilitation/coating (~200K per filter) for East Filters #1-6
2024	- Sludge pond cleaning 5-6 ponds total per contract (~\$95K per pond. \$475K or \$570K per contract) -Standby Generator #1 and #2 Replacement, if needed (~\$550K per unit) -HVAC Chiller replacement, if needed (\$262K)
2025	-Graystone MCC replacement (~\$500K) -Floc and Sed Basing MCC replacement for East and West (~\$425K each) -Filter gallery MCC replacement for East and West (~\$230K each) -Backwash building, washwater recovery, electrical room, and motor control center MCC replacements (~\$200K)

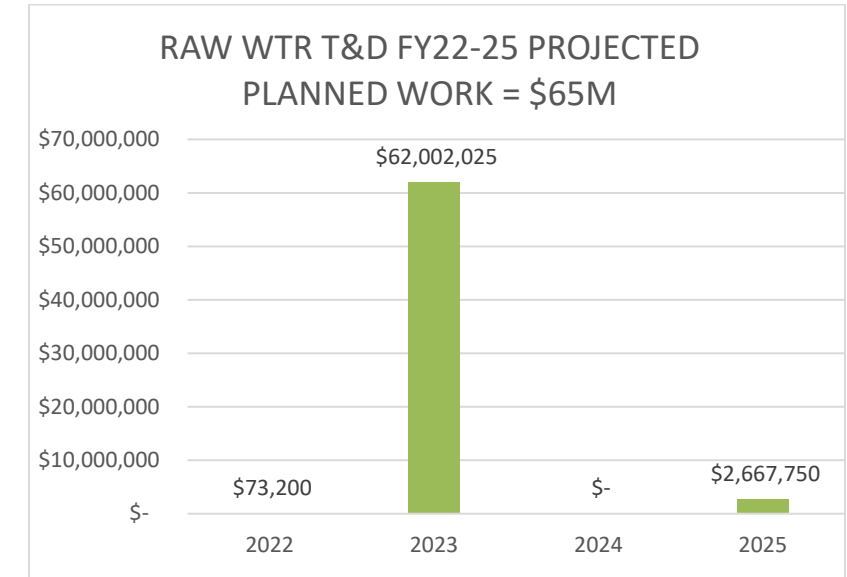
Year	Most Expensive MWP Planned Work for STWTP
	-Ozone Generator power supply units #1-3 replacement (~\$190K each)

Figure 5: Silicon Valley Advanced Water Purification Center (SVAWPC) FY22-25 Projected Planned Work



Year	Most Expensive MWP Planned Work for SVAWPC
2022	-Aqua Ammonia Tank #1 internal and external inspection (~\$25k) -MF and UV system performance reviews (~\$15k each)
2023	-MF Rack 1 & 2 Inspections and replace membranes as needed (~\$313k per rack) -Electrical testing (~\$40k) -Product water transfer pump rehabilitation (~\$30k each)
2024	-Inspect RO Train and replace membrane as needed (~\$1 M) -Inspect MF Rack and replace membranes if needed (~\$314k per MF Rack) for MF Rack 3-4 -Replacement of SVA Main Breaker Transformer through contractor (~\$60k per Transformer) for SVA Main Breaker Transformer 9801 – 9804
2025	- Inspect MF Rack and replace membranes if needed (~\$314k per MF Rack) for MF Rack 5-6 -Contract cost for electrical testing (~\$40k) -Replace liner bag or internal coating for SVA Sodium Hydroxide Tank #2 (~\$25k)

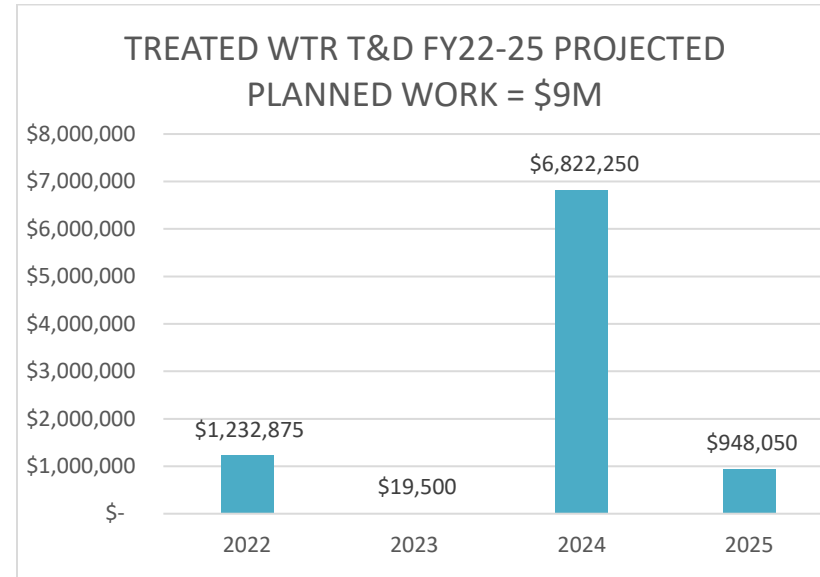
Figure 6: Raw Water Transmission and Distribution (RAW WTR T&D) FY22-25 Projected Planned Work



Year	Most Expensive MWP Planned Work for Raw Water T&D
2022	-Replacement of AVP Coleman L.V. 48" Motor Operated BFV (~\$73k)
2023	- AVP vaults and appurtenance rehabilitation as needed for AVP PCCP Piping Coleman, AVP Almaden Valley Pipeline and PCCP piping nozzle cap to AVP connect (Pipe) (~\$13 M each) - AVP shutdown & Inspections (Visual/Internal) (~\$7 M each) - Santa Teresa Force Main Pipeline rehabilitation of vaults & appurtenances as needed (~\$2 M) -Anderson Force Main Pipeline rehabilitation of vaults & appurtenances as needed (~\$400k) -CDL Valve - 30" Hollow Cone Polyjet Valve replacement (~\$313k)
2024	No planned work is scheduled as of June 2020.
2025	- Penitencia Force Main Pipe rehabilitation of vaults & appurtenances; rehab distressed pipe segments as needed (~\$3 M) - PFM Valve replace or rebuild (~\$88k) - Penitencia Force Main Pipe shutdown & inspections (~\$52k)

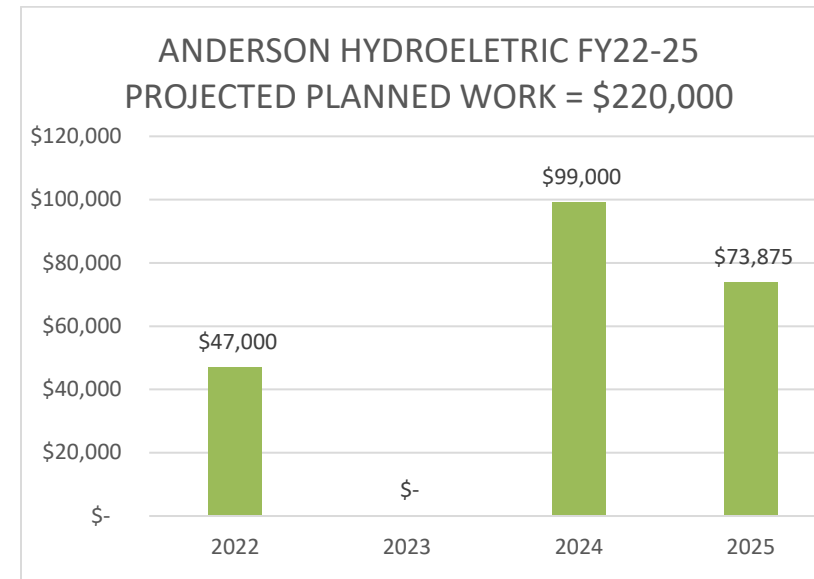
All replacements are pending condition assessment. Rehabilitations maybe conducted in place of replacement.

Figure 7: Treated Water Transmission and Distribution FY22-25 Planned Work Projects



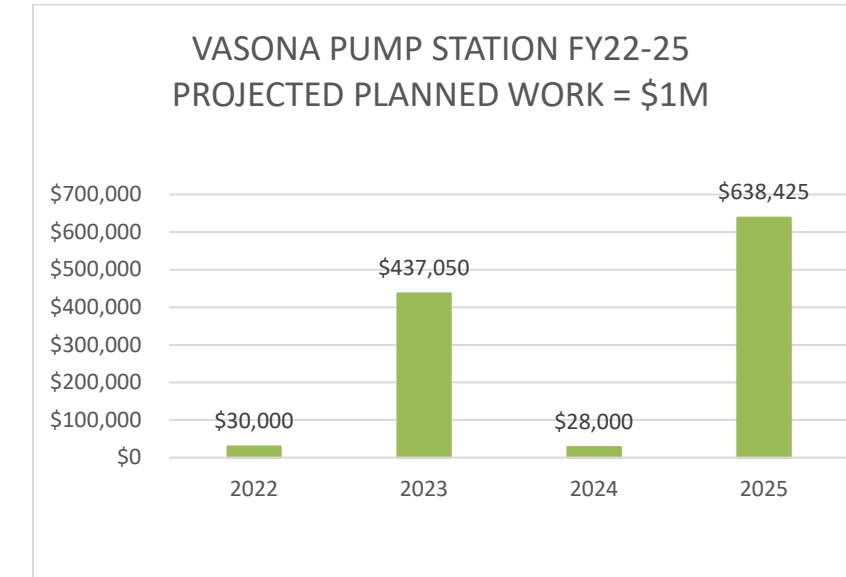
Year	Most Expensive MWP Planned Work for Treated Water T&D
2022	- Rehabilitation of vaults & appurtenances; rehab distressed pipe segments & AFO installation as needed for SPL - PCCP Piping STWTP, 2 assets (\$525k each) - Shutdown & inspections for SPL - PCCP Piping Coyote Creek, 2 assets (~\$100k each)
2023	-Replacement for STWTP Graystone M/L Bypass Guard Valve (~\$20k)
2024	- Rehabilitation of vaults & appurtenances; rehab distressed pipe segments as needed for SCD Santa Clara Distributary (~\$4M) - Rehabilitation of vaults & appurtenances; rehab distressed pipe segments as needed for West Pipeline (~\$2M) - Rehabilitation of vaults & appurtenances; rehab distressed pipe segments as needed for Campbell Distributary (~\$525k) - Blast & coat for WPL Structure (~\$300k)
2025	-Rehabilitation of vaults & appurtenances; rehab distressed pipe segments for PCCP as needed for PDM - WSP Piping EPL (~\$525k) -Replacement for PDM Modulating 30" Ball Valve (~\$114k) -Replacement) for PDM 42" Butterfly Valve and PDM-MOD Vault Isolation Valve 42" BFV (~\$80k)

Figure 8: Anderson Hydroelectric (AHY) Facility FY22-25 Planned Work Projects



Year	Most Expensive MWP Planned Work for AHY
2022	-Replacement through contractor AHY Anderson Hydro Plant RTU (SCADA) (~\$24k) -Contractor cost Anderson Hydro Electrical Testing (~\$12k)
2023	
2024	- Replacement: contractor Anderson Hydro -Med Voltage Transformer Liquid Filled (~\$60k) -Replacement Anderson Hydro Discharge Vault Discharge Valve 1-2 (~\$20k each)
2025	- Replacement: Inspect and Replace main building system controls panel and Anderson Hydro Bypass vault instrumentation (~\$36k each) -Replacement personal logic controller PLC (SCADA) (~\$2k)

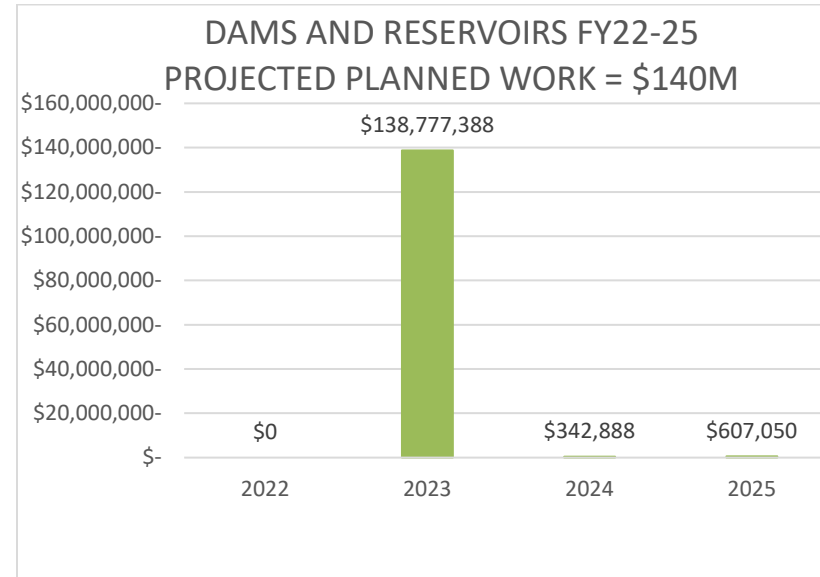
Figure 9: Vasona Pumping Plant (VPP) Facility FY22-25 Planned Work Projects



Year	Most Expensive MWP Planned Work for Vasona
2022	-District labor cost for Vasona Pump Electrical Testing (~\$12k) - Inspect and replace if needed for Vasona Pump Electric Gate Opener (~\$10k) -Contractor cost Vasona Pump Electrical Testing (~\$8k)
2023	-Replacement for Vasona Pump Main Suction Valve (66") - Valve 801-802 (~\$140k each) -Replacement for Vasona Pump Main Suction Valve 66 In Operator - Valve 801 – 802 (~\$20k each)
2024	- Electrical Testing- District Labor (~\$12k) - Electrical Testing- Contractor (~\$16k)
2025	-Vasona Pump Turbine replacement (~\$260k) - Replacement for Vasona Pump Main Pump # 100, #200, #300 and #500 (~\$90k each) -Replacement for Vasona Pump Turbine Bypass Valve Operator - Valve 811 (~\$10k)

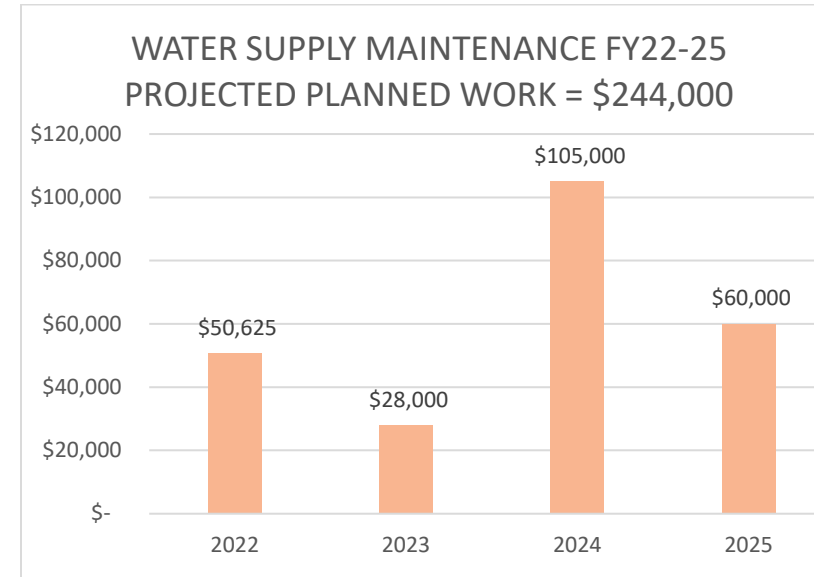
All replacements are pending condition assessment. Rehabilitations maybe conducted in place of replacement.

Figure 10: Dams and Reservoirs FY22-25 Planned Work Projects



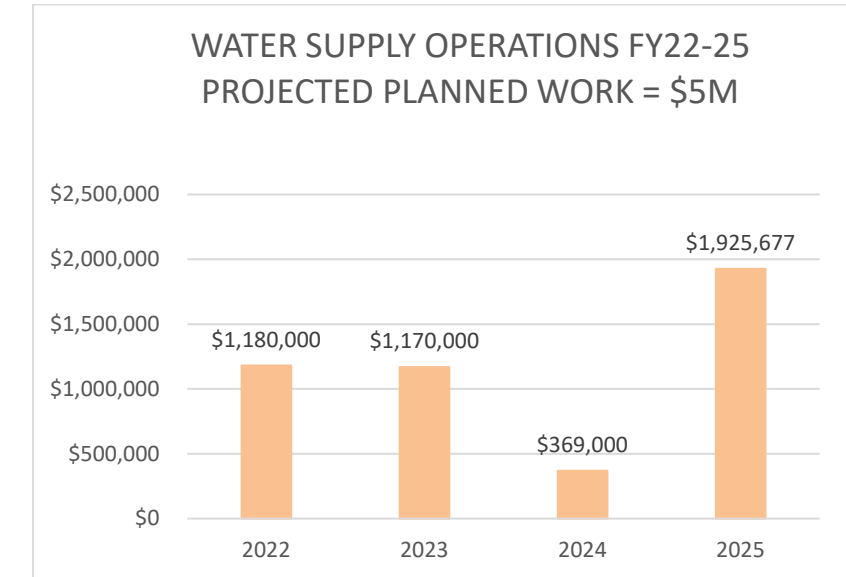
Year	Most Expensive MWP Planned Work for Dams
2022	No planned work is scheduled as of June 2020.
2023	- Replacement of outlet works for Calero Dam Outlet Structure (Place holder) (~\$78 M) - Guadalupe dam seismic retrofit project (~\$60M) - Minor rehabilitation Vasona Dam Outlet (~\$500k)
2024	- Structural inspection for Almaden Dam Inlet Structure (~\$130k) - Replacement for Lenihan Dam Hydraulic Valve actuator, Kirk Dam rubber dam control panel, Kirk Dam fish screen control panel, Lenihan Dam inlet building valve control panel, and Lenihan Dam valve control panel (~\$36k each) - Replacement: contractor for AFM Anderson Dam Outlet (~\$24k)
2025	- Rehabilitation for Uvas Dam outlet pipe (~\$500k) - Structural inspection for Coyote Dam inlet structure (~\$40k) - Inspection for inlet structures at Calero, Guadalupe, Stevens Creek, Chesbro, and Anderson Dams (~\$10k each)

Figure 11: Water Supply Management System (Maintenance) FY22-25 Planned Work Projects



Year	Most Expensive MWP Planned Work for Water Supply Management (Maintenance)
2022	- Replace fish ladder panels for Mabury Diversion Fish Ladder (~\$25k) - Replace for CAD Raw Water Turbidimeter (~\$6k) - Pipe to be removed for Church Diversion to pond #1 pipe (~\$5k)
2023	- Dewatering and cleaning for Guadalupe Ponds Pipeline (~\$8k) - Dewatering and cleaning for Alamitos, Masson Diversion Dam, Masson, McClellan Pond (~\$5k each)
2024	- Replacement for Kirk Dam rubber dam control panel and fish screen control panel (~\$36k each) - Replace fish ladder panels for Masson Fish Ladder (~\$25k)
2025	- Dewatering and cleaning for Penitencia Creek Pipeline (~\$25k) - Replace fish ladder panels for Alamitos Fish Ladder (~\$25k)

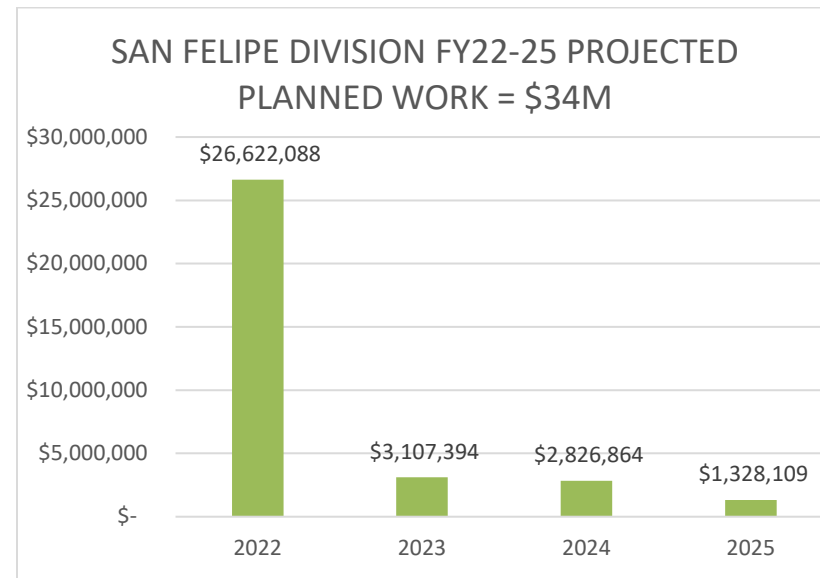
Figure 12: Water Supply Management System (Operations) FY22-25 Planned Work Projects



Year	Most Expensive MWP Planned Work for Water Supply Management (Operation)
2022	Pond grooming, cleaning, embankment as needed for: - Penitencia Ponds (~\$260k) - Camden Ponds (~\$150k) - Madrone Channel Percolation Ponds (~\$215k) - Kooser Ponds, Kirck Desilting Pond, Alamitos Pond (~\$130k each) - Guadalupe Ponds (~\$100k)
2023	Pond grooming, cleaning, embankment as needed for: - Church Avenue Ponds (~\$240k) - Madrone Channel Percolation Ponds (~\$215k) - Budd Avenue, Page, Sunnyoak, McGlincy, and Page Ditch Desilting Basin Pond (~\$130k each)
2024	Pond grooming, cleaning, capacity restoration projects, vegetation below water as needed for: - Madrone Channel Percolation Ponds (~\$215k) - Kooser Ponds (~\$130k)
2025	- Pond grooming, cleaning, embankment as needed for Capitol Ponds (~\$520k) - Pond grooming, cleaning, embankment as needed Oak Lane Ponds (~\$316k) - Pond grooming, cleaning, capacity restoration projects, vegetation below water as needed for Madrone Channel Percolation Ponds (~\$215k)

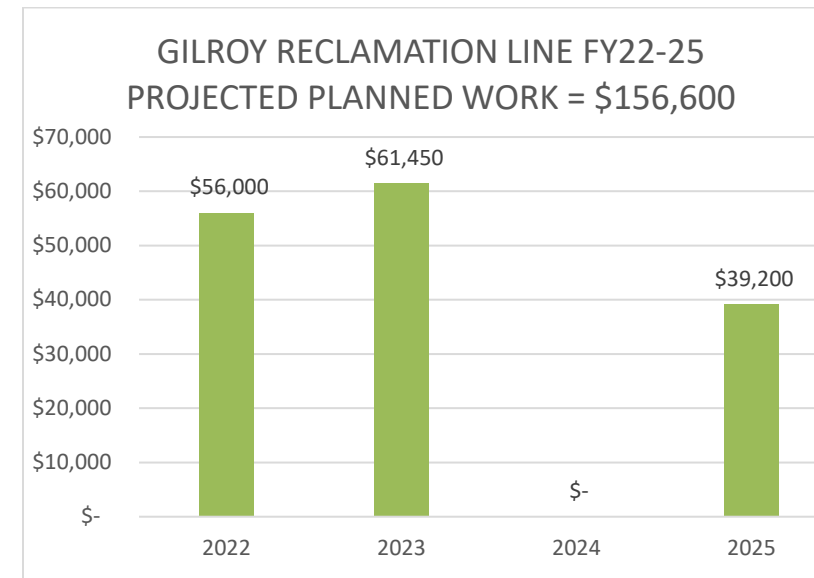
All replacements are pending condition assessment. Rehabilitations maybe conducted in place of replacement.

Figure 13: San Felipe Division Reach 1 FY22-25 Planned Work Projects



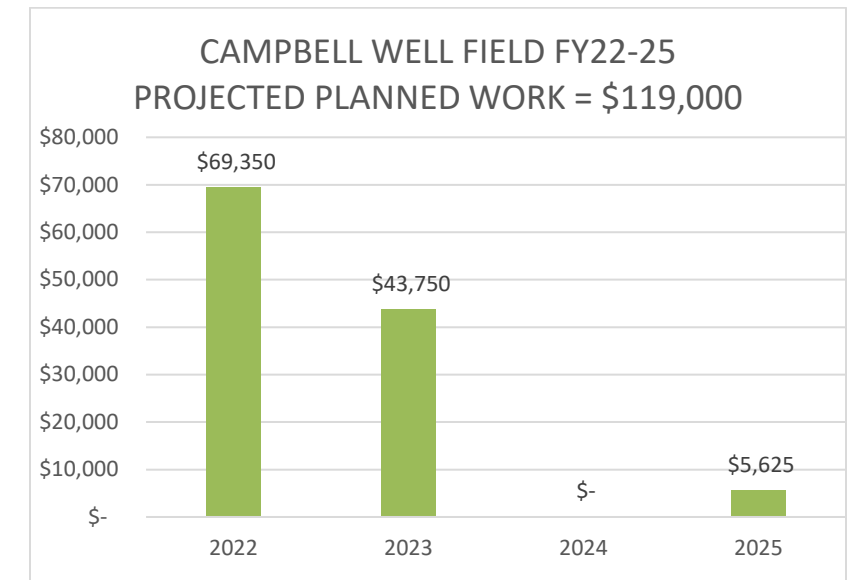
Year	Most Expensive MWP Planned Work for San Felipe Division
2022	-Pacheco tunnel surge structure (~\$2 M) -Pacheco tunnel reach (~\$2 M) -Rehabilitation of vaults & appurtenances, rehab distressed pipe segments and AFO as needed for SCC – PCCP Pipping (~\$1.5 M) -Replacement: contractor for CPP transformer KZ1A and KZ2A, CPP Unit #1-6 Pump motor feedback transformer (~\$928k each) -Rehabilitation Pacheco Pump Unit #8 (~\$900k)
2023	-Rehabilitation Pacheco Pump Unit #9 and #12 (~\$900k each) -Visual and Internal inspection, appurtenance rehab for Coyote discharge line inspection and rehab (~\$400k) -Replacement for discharge valve of Pacheco Pump Unit #9 and #12 (~\$108k each)
2024	-Rehabilitation for Pacheco Pump Unit #3 and #11 (~\$900k each) -Replacement for discharge valve of Pacheco Pump Unit #11 (~\$108k)
2025	-Rehabilitation for Pacheco Pump Unit #5 (~\$900k) -Replacement discharge guard valve for Pacheco Pump Unit #5 (~\$108k)

Figure 14: Gilroy Reclamation Line FY22-25 Planned Work Projects



Year	Most Expensive MWP Planned Work for Gilroy Reclamation Line
2022	-Replacement for Gilroy Reclamation Line system, 10 assets in total (~\$6k each)
2023	-Replacement for Gilroy Miller Slough Extension (~\$11k) -Replacement for Gilroy Reclamation Line System, 5 assets in total (~\$8k each) -Replacement for Gilroy Reclamation Line System, 2 assets in total (~\$6k each)
2024	No planned work is scheduled as of June 2020.
2025	-Replacement for Gilroy Reclamation Line system, 7 assets in total (~\$6k each)

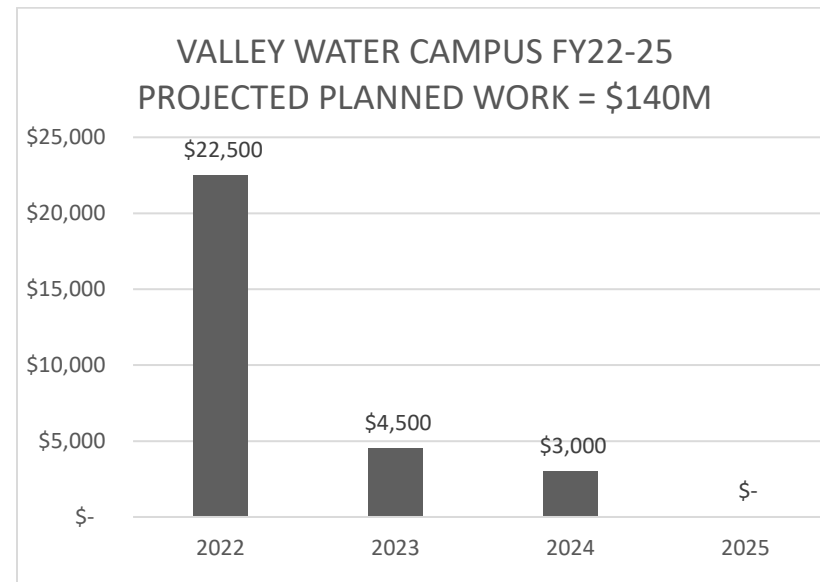
Figure 15: Campbell Well Field FY22-25 Planned Work Projects



Year	Most Expensive MWP Planned Work for Campbell Well Field
2022	-Inspection and cleaning for CWF Station B, OCL Storage Tank (~\$25k) -Replacement, inspect and replace of entire asset as needed for CWV Station B, Meter Pump #1-3 and Aqua Ammonia Meter Pump #1-2 (~\$7k each) -Replacement for CWF Station B OCL Storage Tank (~\$4k)
2023	-Replacement, inspect and replace PLC, contractor for PLC & Control Panel at CFW Station A - C (~\$11k each) -Administration cost CWF Cross Connection Survey (~\$10k)
2024	No planned work is scheduled as of June 2020.
2025	-Replacement CWF Emergency Generator 1-3 (~\$2k each)

All replacements are pending condition assessment. Rehabilitations maybe conducted in place of replacement.

Figure 16: Valley Water Campus FY22-25 Planned Work Projects



Year	Most Expensive MWP Planned Work for Valley Water Campus
2022	<ul style="list-style-type: none"> -Secondary containment leak testing for Fuel Island Diesel Tank #1-2 and Fuel Island Unleaded Tank #1 (~\$1k each) -External inspection & certified alarm sensor test for Grounds System, 8 assets (~\$1k each) -Monitoring system \$ spill containment testing certification for Fuel Island Diesel Tank #1-2 and Fuel Island Unleaded Tank #1 (~\$1k each)
2023	<ul style="list-style-type: none"> -Monitoring system \$ spill containment testing certification for Fuel Island Diesel Tank #1-2 and Fuel Island Unleaded Tank #1 (~\$1k each) -Formal external inspection for Mobile Fuel Truck #6369 (~\$1k)
2024	<ul style="list-style-type: none"> -Monitoring system \$ spill containment testing certification for Fuel Island Diesel Tank #1-2 and Fuel Island Unleaded Tank #1 (~\$1k each)
2025	No planned work is scheduled as of June 2020

All replacements are pending condition assessment. Rehabilitations maybe conducted in place of replacement.

VI. INDIVIDUAL/LARGE CAPITAL IMPROVEMENT PLAN (CIP) RECOMMENDATIONS

The MWP recommends some activities for execution as individual or larger capital projects. Individual/large capital projects represent major work efforts that are beyond the capabilities of the maintenance units to perform, requiring relatively large budget commitments (greater than \$50K), technical complexity, or are likely to require multi-year planning and extensive design efforts, which include preparation of plans and specifications for bidding.

Disclaimer: The current and forecasted capital projects are published by Valley Water Capital Projects group in the FY2020-24 Five-Year Capital Improvement Program. From this point forward, the CIP projects will no longer be listed in the MWP.

As the capabilities of Valley Water's asset management program improves with new planning models and software, the identification of future capital projects to address existing asset failure modes will become a critical output of the program.

VII. MWP TRACKING AND RECOMMENDATIONS

Actual scheduling, execution, and reporting on the projects listed in MWP are primary responsibilities of the assigned units' work within the Maximo work order system. These units communicate the status to Asset Management Unit, which performs QA/QC and prepares an Annual Maintenance Work Plan Review Report at the close of each fiscal year to assess what work was successfully completed. To prepare an accurate review report, the status and completion of PW has to be tracked accurately. More importantly, it is critical to track PW that is not undertaken since it increases the risk of asset failures. Tracking PW ensures that projects that could not be completed any given fiscal year are completed in a future year and within a reasonable timeframe to reduce risk. Tracking PW also ensures Valley Water is capturing accurate asset life-cycle costs.

To enable accurate PW tracking, the Asset Management Unit recommends the following:

- Ensure that staff uses the designated work order numbers provided in this report for each project. If additional work orders are needed to complete a single work list item, child work order(s) should be established in Maximo and linked to the designated work order to enable complete and accurate cost tracking. This includes work performed by watershed field operations units under the Access Valley Water (AVW) tool, by referencing the AVW tracking number within the work order number listed in this plan. Child work orders are often the best choice when different types of work are being done to complete a single work item in the AMWP. Each type of work can have its own set of tasks which can describe the functional steps required to perform the work.
- Ensure staff appropriately changes work order status in Maximo, particularly upon completion of work. During development of the Annual Maintenance Work Plan Review Reports, staff typically finds that several projects have been completed, but work orders have not been closed. Staff also finds work orders have been completed and closed when no work was performed. These work orders should use a 'NWP' (no work performed) status rather than complete. Completion percentages for planned work will not be accurate if the correct status is not provided in Maximo.
- Work list items that involve the replacement or rehabilitation of an asset must also include processing this change to the asset in Maximo. This is accomplished using the 'Asset

Replaced' feature in Maximo to notify the Asset Management Unit of the change. The District wide Asset Management Unit ensures the old asset is properly decommissioned and the new asset is added to Maximo and AMPT. This ensures that the asset rehabilitation details are captured within the appropriate database.

VIII. MODIFICATIONS, IMPROVEMENTS, AND EFFICIENCIES

Based on experience gained through previous MWP development efforts, input from management and staff, and survey data, the following modifications and improvements to the MWP have been implemented as a means of continual improvement:

- Planned work for STWTP, PWTP, and RWTP have been sorted from High to Low Business Risk Exposure (BRE). BRE is computed with risk reduction due to redundancy at STWTP and PWTP.
- An executive summary is added in June 2020.
- A review of the previous fiscal year's MWP has been added in Appendix C.

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Valley Water

Clean Water • Healthy Environment • Flood Protection

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FISCAL YEAR 2021-2025
 WATER UTILITY ENTERPRISE MAINTENANCE WORK PLAN

APPENDIX A: FY2021 MWP PLANNED WORK

Overview

This appendix contains tables conveying the FY2021 MWP planned work details per facility. Each facility has one table for planned work (PW) which may span multiple pages. In addition, one table has been made to convey the backlog. All backlog work orders are all considered open in Maximo as of June 4,2020.

Notes for the planned work tables:

- For RWTP, STWTP, and PWTP, tables have been sorted from High to Low Business Risk Exposure (BRE). BRE is computed with risk reduction due to redundancy at STWTP and PWTP.
- The project costs provided in the tables include services and supply costs; and required labor hours are estimated. The required labor hours are provided by staff and are conservative.
- Maintenance testing or inspection projects are differentiated within the Appendix A tables by being represented in a **dark red** font color.

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Description	Page No.	Description	Page No.
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FY2021 PW for PWTP	A-6	FY2021 PW for San Felipe Reach 1, 2, and 3	A-30
FY2021 PW for RWTP	A-15	FY2021 PW for Vasona Pumping Plant	A-35
FY2021 PW for STWTP	A-17	FY2021 PW for Water Supply Management System Maintenance	A-36
FY2021 PW for SVAWPC	A-22	FY2021 PW for Water Supply Management System Operations	A-37
FY2021 PW for District Campus	A-26		

MWP Backlog as of June 4,2020

Facility and Backlog Work Orders	Total Open Work Orders
AHY	4
201903149 FY19 AMWP AHY REPLACE (FAN RARELY USED, INSPECT FIRST), MAIN BUILDING VENTILATION SYSTEM	
RWM1000345 FY19 AMWP AHY, REPLACE HYDRO BATTERY BACK UP	
RWM1000346 FY19 AMWP AHY, REPLACE HYDRO UNIT G11 24 in MOTOR OPERATED INLET VALVE	
RWM1000347 FY19 AMWP AHY, REPLACE HYDRO UNIT G12 24 in MOTOR OPERATED INLET VALVE	
CPP	28
201903150 FY19 AMWP CPP OSHA INSPECTIONS, COYOTE PUMP SHOP AIR COMPRESSOR (FIXED)	
202002596 FY20 AMWP CPP REPLACE ISOLATION VALVE VAULT VENTILATION	
202003377 FY20 AMWP CPP INSPECT & REPAIR ROOF LEAKS	
RWM1000610 FY19 AMWP CPP-INSPECT, CLEAN THICKNESS, GENERATOR PROPANE TANK	
RWM1000611 FY19 AMWP CPP COAT PUMP UNIT #3 PUMP	
RWM1000612 FY19 AMWP CPP REPLACE DISCHARGE VALVE ACTUATOR	
RWM1000615 FY19 AMWP CPP REPLACE 3500 SQ.FT. ASPHALT	
RWM1005748 FY20 AMWP CPP REPLACE HVOS CONTROL PANEL	
RWM1005749 FY20 AMWP CPP REPLACE HVOS PRESSURE SWITCHES	
RWM1005750 FY20 AMWP CPP REPLACE PUMP HVOS ACCUMULATOR #1 LEVEL SWITCH	
RWM1005751 FY20 AMWP CPP REPLACE PUMP ACCUMULATOR #2 LEVEL SWITCH	
RWM1005752 FY20 AMWP CPP REPLACE UNIT 1 MTR COOL WATER SUP	
RWM1005754 FY20 AMWP CPP REPLACE UNIT #1 MOTOR CW SUPPLY PUMP	
RWM1005756 FY20 AMWP CPP REPLACE UNIT 2 MTR COOL WATER SUP	
RWM1005757 FY20 AMWP CPP REPLACE UNIT #2 MOTOR CW SUPPLY PUMP	
RWM1005759 FY20 AMWP CPP REPLACE UNIT 3 MTR COOL WATER SUP	
RWM1005761 FY20 AMWP CPP REPLACE UNIT #3 MOTOR CW SUPPLY PUMP	
RWM1005765 FY20 AMWP CPP REPLACE UNIT 4 MTR COOL WATER SUP	
RWM1005766 FY20 AMWP CPP REPLACE UNIT #4 MOTOR CW SUPPLY PUMP	
RWM1005767 FY20 AMWP CPP REPLACE UNIT 5 MTR COOL WATER SUP	
RWM1005768 FY20 AMWP CPP REPLACE UNIT #5 MOTOR CW SUPPLY PUMP	
RWM1005769 FY20 AMWP CPP REPLACE UNIT 6 MTR COOL WATER SUP	
RWM1005770 FY20 AMWP CPP REPLACE UNIT #6 MOTOR CW SUPPLY PUMP	
RWM1005771 FY20 AMWP CPP- REPLACE BUILDING OFFICE TRAILER #1	
RWM1005772 FY20 AMWP CPP REPLACE BUILDING OFFICE TRAILER #2	
RWM1005773 FY20 AMWP CPP REPLACE ELEC VALVE ACTUATOR MAIN LINE	
RWM1005774 FY20 AMWP CPP REPLACE (PCP,BCP) RAW WATER SYSTEM CONTROL PANEL (ISOLATION VALVE VAULT)	
RWM1005932 FY19 AMWP CPP COAT PUMP UNIT #3 PUMP	
Dams	9
RWM1000338 FY19 AMWP SCD-REPLACE, DAM INLET SLUICE GATE VALVE #1	
RWM1000339 FY19 AMWP VAD, (DSOD) VISUAL VALVE INSPECTION	
RWM1000341 FY19 AMWP CYD-(DSOD) VISUAL VALVE INSPECTION	
RWM1000342 FY19 AMWP LEN, (DSOD) VISUAL VALVE INSPECTION	
RWM1000343 FY19 AMWP VAD, (DSOD) VISUAL VALVE INSPECTION	
RWM1000344 FY19 AMWP CAD, REPLACE T/O BI-DIRECTIONAL FLOWMETER	
RWM1005706 FY20 AMWP LEN REHAB & REPLACE BATTERIES, LIGHTING PANEL UNINTERRUPTABLE POWER SUPPLY FOR LP-1	
RWM1005708 FY20 AMWP LEN REHAB & REPLACE BATTERIES, OUTLET STRUCTURE LIGHTING PANEL LP-2 UNINTERRUPTABLE POWER	
RWM1005709 FY20 AMWP STD CONTRACTOR INSPECT & REHAB, 50 INCH OUTLET PIPE	
EH&S	3
201902770 FY19 AMWP EH&S, MONITORING & SPILL CONTAINMENT TEST, FUEL ISLAND DIESEL TANK #1; 12,000 GAL; #2 DIES	
201902771 FY19 AMWP EH&S-MONITOR & SPILL CONTAINMENT TEST, FUEL ISLAND DIESEL TANK #2; 12,000 GAL; #2 DIESEL OI	
201902772 FY19 AMWP EH&S-MONITOR & SPILL CONTAINMENT TEST, FUEL ISLAND UNLEADED TANK #1; 10,000 GAL - UNDERGR	
GRL	1
RWM1005834 FY20 AMWP GRL- INSPECTION VIDEO GILROY RECLAMATION PIPELINE	
PPP	3
RWM1000356 FY19 AMWP PPP-HVOS; DESIGN AND INSTALLATION OF CONTROL PANEL (MCC WILL NOT BE REPLACED)	
RWM1000357 FY19 AMWP PPP- REPLACE - HVOS PRESSURE SWITCHES	
RWM1000396 FY19 AMWP PPP-(TESTING AGENCY) ELECTRICAL TESTING	
PPP	45
202002516 FY20 AMWP PPP OSHA INPEC., PRESSURE VESSEL (330 PSI) - HVOS TANK 1	
202002541 FY20 AMWP PPP REPLACE SITE SECURITY SYSTEM	
RWM1000354 FY19 AMWP PPP INSPECT, CLEAN, THICKNESS, STANDBY GENERATOR PROPANE TANK	
RWM1000358 FY19 AMWP PPP REPLACE - HVOS ACCUMULATOR # 1 LEVEL DETECTOR	
RWM1000359 FY19 AMWP PPP REPLACE - HVOS ACCUMULATOR # 2 LEVEL DETECTOR	
RWM1000364 FY19 AMWP PPP REPLACE PUMP UNIT #4 PUMP DISCHARGE GUARD VALVE	
RWM1000366 FY19 AMWP PPP REPLACE PUMP UNIT #7 PUMP DISCHARGE VALVE	
RWM1000368 FY19 AMWP PPP REPLACE, PUMP UNIT #7 PUMP DISCHARGE GUARD VALVE	
RWM1000372 FY19 AMWP PPP REPLACE PUMP UNIT #10 PUMP DISCHARGE GUARD VALVE	
RWM1000373 FY19 AMWP PPP REPLACE, MAIN FLOOR SUMP PUMP #2	
RWM1000374 FY19 AMWP PPP REPLACE, PPP - SWYD SWITCH YZ1A	
RWM1000375 FY19 AMWP PPP REPLACE, SWYD SWITCH YZ2A	
RWM1000376 FY19 AMWP PPP REPLACE SWYD TRANSFORMER KZ1A for PPP - SWYD SWITCH YZ1A	
RWM1000377 FY19 AMWP PPP REPLACE, STATION SERVICE TRANSFORMER FOR PPP - SWYD SWITCH YZ2A	
RWM1000378 FY19 AMWP PPP REPLACE, SWYD; SWGR 1A BATTERY & CHARGER	
RWM1000379 FY19 AMWP PPP REPLACE, SWGR 2A BATTERY & CHARGER	
RWM1000380 FY19 AMWP PPP REPLACE, (IF RECOMMENDED BY WAPA), SUB-STATION RESISTER; 600A; RW2A	
RWM1000381 FY19 AMWP PPP REPLACE (IF RECOMMENDED BY WAPA), WAPA SUB-STATION POTENTIAL DEVICE; VZ1A	
RWM1000382 FY19 AMWP PPP (IF RECOMMENDED BY WAPA), WAPA SUB-STATION POTENTIAL DEVICE; VZ1A	
RWM1000383 FY19 AMWP PPP REPLACE (IF RECOMMENDED BY WAPA), WAPA SUB-STATION POTENTIAL DEVICE; VZ1B	
RWM1000384 FY19 AMWP PPP REHAB, REPLACE BATTERIES, ASD GALLERY; (PLC 1 & 2) POWER SUPPLY	
RWM1000388 FY19 AMWP PPP (DISTRICT LABOR) ELECTRICAL TESTING	
RWM1005722 FY20 AMWP PPP REPLACE, INSPECT, TEST, PUMP UNIT #1 MOTOR	
RWM1005723 FY20 AMWP PPP REPLACE, REHAB STATOR & OR ROTOR REWIND,PUMP UNIT #1 MOTOR	
RWM1005724 FY20 AMWP PPP REHAB BEARINGS AS NEEDED, PUMP UNIT #1 MOTOR	
RWM1005725 FY20 AMWP PPP REHAB/REBUILD PUMP UNIT #1 PUMP	
RWM1005726 FY20 AMWP PPP REPLACE PUMP UNIT #1 PUMP AIR RELEASE VALVE	
RWM1005727 FY20 AMWP PPP REPLACE PUMP UNIT #1 PUMP DISCHARGE VALVE	
RWM1005728 FY20 AMWP PPP REPLACE PUMP UNIT #1 PUMP PUMP DISCH VALVE HYD OPERATOR	
RWM1005729 FY20 AMWP PPP REPLACE UNIT #1 PUMP DISCHARGE GUARD VALVE	
RWM1005730 FY20 AMWP PPP REFURBISH WINDINGS & BEARINGS, UNIT #6 MOTOR	
RWM1005731 FY20 AMWP PPP REPLACE PARTS & TEST UNIT #6 MOTOR	
RWM1005732 FY20 AMWP PPP REHAB STATOR &/OR ROTOR REWIND, UNIT #6 MOTOR	
RWM1005733 FY20 AMWP PPP REHAB/REBUILD, UNIT #6 PUMP	
RWM1005734 FY20 AMWP PPP REPLACE UNIT #6 PUMP AIR RELEASE VALVE	
RWM1005735 FY20 AMWP PPP REHAB UNIT #6 PUMP DISCHARGE VALVE	
RWM1005736 FY20 AMWP PPP REHAB. UNIT #6 PUMP DISCH VALVE HYD OP	

MWP Backlog as of June 4,2020

Facility and Backlog Work Orders	Total Open Work Orders
RWM1005737 FY20 AMWP PPP REPLACE UNIT #6 PUMP DISCHARGE GUARD VALVE	
RWM1005738 FY20 AMWP PPP REPLACE UNIT #7 PUMP DISCHARGE GUARD VALVE	
RWM1005740 FY20 AMWP PPP INSTALL POWER LOGIC MTR PUMP #9	
RWM1005741 FY20 AMWP PPP REPLACE ASD GALLERY; HMI SERVER	
RWM1005742 FY20 AMWP PPP REPLACE ASD GALLERY; PRIMARY DOMAIN CONTROLER (PDC)	
RWM1005745 FY20 AMWP PPP WAPA MAINTENANCE CONTRACT	
RWM1005747 FY20 AMWP PPP TRANSVERSE ROOF JOINT (SEE LONG DESCRIPTION)	
RWM1010508 FY20 AMWP PPP REHAB/REBUILD, UNIT #6 PUMP - Electrical Connections	
PWTP	107
201903058 FY19 AMWP PWTP INSPECT& REPLACE (IF NEEDED) CALICIUM THIOSULFATE ENTRANCE DOORS	
201903059 FY19 AMWP PWTP INSPECT & REPLACE, CALICIUM THIOSULFATE FIRE SPRINKLER SYSTEM	
201903060 FY19 AMWP PWTP INSPECT & REPLACE, CALICIUM THIOSULFATE OUTDOOR LIGHTING	
201903061 FY19 AMWP PWTP INSPECT & REPLACE, ROLL-UP DOORS	
201903151 FY19 AMWP PWTP OSHA INSPECTIONS, CARBON ROOM AIR RECEIVER TANK	
201903152 FY19 AMWP PWTP REPLACE PLC (CONTRACTOR), PW FIRE PROTECTION PUMP CONTROL PANEL (PPWCP01)	
201903291 FY19 AMWP PWTP REPLACE OUTSIDE LIGHTING (SEE J. COOK)	
202000344 FY20 AMWP PWTP: REPLACE PIPE GALLERY EXHAUST FAN (PSEF03)	
202000345 FY20 AMWP PWTP: REPLACE PWTP FLOC DRIVE GALLERY A EXHAUST FAN (PSEF02)	
202000457 FY20 AMWP PWTP REPLACE PWTP FLOC DRIVE GALLERY B EXHAUST FAN (PSEF01)	
202001011 FY20 AMWP REPLACE PWTP TOILET ROOM EXHAUST FAN	
202001012 FY20 AMWP REPLACE PWTP TOILET ROOM EXHAUST FAN	
202001013 FY20 AMWP REPLACE PWTP FILTER GALLERY EXHAUST FAN #6 MOTOR	
202001015 FY20 AMWP REPLACE PWTP FILTER GALLERY EXHAUST FAN #6 MOTOR	
202001018 FY20 AMWP REPLACE PWTP FILTER GALLERY EXHAUST FAN #7 MOTOR	
202001020 FY20 AMWP REPLACE PWTP ALUM FEED BLDG EXHAUST FAN #15	
202001022 FY20 AMWP REPLACE PWTP BP EXHAUST FAN (EF-P-2)	
202001023 FY20 AMWP REPLACE PWTP BP EXHAUST FAN (EF-P-3)	
202001025 FY20 AMWP REPLACE PWTP BP EXHAUST FAN (EF-P-5)	
202001027 FY20 AMWP REPLACE PWTP BP EXHAUST FAN (EF-P-6)	
WPL1032089 FY19 AMWP PWTP REPLACE CAUSTIC METER PUMP VAR FREQ DRIVE #1	
WPL1032090 FY19 AMWP PWTP REPLACE CAUSTIC METER PUMP VAR FREQ DRIVE #2	
WPL1032097 FY19 AMWP PWTP REPLACE FILTER #3 GULLET WASTE VALVE (E-423) OPERATOR	
WPL1032098 FY19 AMWP PWTP REPLACE FILTER #3 INFLUENT VALVE (E-422) OPERATOR	
WPL1032100 FY19 AMWP PWTP REPLACE FILTER #6 EFFLUENT VALVE (E-452) OPERATOR	
WPL1032101 FY19 AMWP PWTP REPLACE FILTER #6 FILTER TO WASTE VALVE (E-453) OPERATOR	
WPL1032103 FY19 AMWP PWTP REPLACE FILTER #6 GULLET WASTE VALVE (E-449) OPERATOR	
WPL1032104 FY19 AMWP PWTP FILTER #6 INFLUENT VALVE (E-448) OPERATOR	
WPL1032108 FY19 AMWP PWTP REPLACE CATIONIC POLY METER PUMP #101 MOTOR VFD	
WPL1032109 FY19 AMWP PWTP REPLACE CATIONIC POLY FEED PUMP #201 MOTOR VFD	
WPL1032139 FY19 AMWP PWTP (CONTRACT) ELECTRICAL TESTING	
WPL1035570 FY18 AMWP-REPLACE PWTP DUTARD FLOWMETER 2766 2004	
WPL1038180 FY18 AMWP-REPLACE PWTP DUTARD FLOWMETER 2766 2004	
WPL1046559 FY20 AMWP PWTP: ANNUAL REMINDER: TEST MCC AND FEEDER PER NEETA UNTIL REPLACED. (2025). SEE EE FOR DO	
WPL1046560 FY20 AMWP PWTP: ANNUAL REMINDER: TEST MCC AND FEEDER PER NEETA UNTIL REPLACED. (2025). SEE EE FOR DO	
WPL1046561 FY20 AMWP PWTP:ANNUAL REMINDER: TEST MCC AND FEEDER PER NEETA UNTIL REPLACED. (2025). SEE EE FOR DOC	
WPL1046701 FY20 AMWP PWTP REPLACE PWTP BP BLEND TANK MIXER MOTOR	
WPL1046702 FY20 AMWP PWTP REPLACE PWTP BP HYDRAULIC POWER PACK PUMP (M-P-17) MOTOR	
WPL1046707 FY20 AMWP PWTP: REPLACE BP ANIONIC POLY FEED PUMP #1 (FP-P-10-1) MOTOR	
WPL1046714 FY20 AMWP PWTP REPLACE BP ANIONIC POLY FEED PUMP #2 (FP-P-10-2) MOTOR	
WPL1046715 FY20 AMWP PWTP REPLACE OCL FEED PUMP #1	
WPL1046716 FY20 AMWP PWTP REPLACE OCL FEED PUMP #1 MOTOR	
WPL1046717 FY20 AMWP PWTP REPLACE OCL FEED PUMP #2	
WPL1046718 FY20 AMWP PWTP REPLACE OCL FEED PUMP #2 MOTOR	
WPL1046719 FY20 AMWP PWTP REPLACE UTILITY BLDG AIR COMPRESSOR #1 MOTOR	
WPL1046720 FY20 AMWP PWTP REPLACE UTILITY BLDG AIR COMPRESSOR #2	
WPL1046721 FY20 AMWP PWTP REPLACE UTILITY BLDG AIR COMPRESSOR #2; MOTOR	
WPL1046724 FY20 AMWP PWTP INSPECT & REPAIR (PCP) FILTER #2 CONTROL PANEL	
WPL1046730 FY20 AMWP PWTP INSPECT & REHAB REHAB (PCP & BCP) FILTER #2 CONTROL PANEL	
WPL1046733 FY20 AMWP PWTP REPLACE FILTER #2 GULLET WASTE VALVE (E-409) OPERATOR	
WPL1046734 FY20 AMWP PWTP REPLACE FILTER #2 INFLUENT VALVE (E-408) OPERATOR	
WPL1046735 FY20 AMWP PWTP REPLACE FILTER GALLERY; FILTER #2; HEADLOSS METER (PDIT-102)	
WPL1046736 FY20 AMWP PWTP REPLACE FILTER #3 CONTROL PANEL	
WPL1046737 FY20 AMWP PWTP INSPECT & REHAB FILTER #3 CONTROL PANEL	
WPL1046738 FY20 AMWP PWTP REPLACE FILTER #3; HEADLOSS METER (PDIT-111)	
WPL1046739 FY20 AMWP PWTP INSPECT & REHAB FILTER #4 CONTROL PANEL	
WPL1046740 FY20 AMWP PWTP INSPECT & REHAB (PCP & BCP) FILTER #4 CONTROL PANEL	
WPL1046838 FY20 AMWP PWTP REPLACE FILTER #4; HEADLOSS METER (PDIT-112)	
WPL1046839 FY20 AMWP PWTP INSPECT & REHAB (PCP) FILTER #5 CONTROL PANEL	
WPL1046840 FY20 AMWP PWTP INSPECT & REHAB (PCP& BCP) FILTER #5 CONTROL PANEL	
WPL1046841 FY20 AMWP PWTP REPLACE FILTER #5 EFFLUENT VALVE (E-446) OPERATOR	
WPL1046842 FY20 AMWP PWTP REPLACE FILTER #5 FILTER TO WASTE VALVE (E-447) OPERATOR	
WPL1046843 FY20 AMWP PWTP REPLACE FILTER #5 GULLET WASTE VALVE (E-443) OPERATOR	
WPL1046845 FY20 AMWP PWTP REPLACE FILTER #5 INFLUENT VALVE (E-442) OPERATOR	
WPL1046847 FY20 AMWP PWTP REPLACE FILTER #5; HEADLOSS METER (PDIT-121)	
WPL1046849 FY20 AMWP PWTP INSPECT & REHAB (PCP) FILTER #6 CONTROL PANEL	
WPL1046850 FY20 AMWP PWTP INSPECT & REHAB (PCP & BCP) FILTER #6 CONTROL PANEL	
WPL1046851 FY20 AMWP PWTP REPLACE CATIONIC POLY METER PUMP #101	
WPL1046852 FY20 AMWP PWTP REPLACE CATIONIC POLY METER PUMP #101 MOTOR	
WPL1046854 FY20 AMWP PWTP REPLACE CATIONIC POLY METER PUMP #201	
WPL1046855 FY20 AMWP PWTP REPLACE CATIONIC POLY METER PUMP #201 MOTOR	
WPL1046856 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP #301	
WPL1046857 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP #301 MOTOR	
WPL1046858 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP #501	
WPL1046859 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP #501 MOTOR	
WPL1046860 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP #401	
WPL1046861 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP #401 MOTOR	
WPL1046865 FY20 AMWP PWTP REPLACE FLOCCULATOR #1 DRIVE UNIT B (M-904) GEARBOX	
WPL1046876 FY20 AMWP PWTP REPLACE SEDIMENT BASIN #1 RAKE CONTROLLER	
WPL1046894 FY20 AMWP PWTP REPLACE SEDIMENT BASIN #2 RAKE CONTROLLER	
WPL1046919 FY20 AMWP PWTP REPLACE SEDIMENT BASIN #3 RAKE CONTROLLER	
WPL1046922 FY20 AMWP PWTP REPLACE ELECTRIC CONTROL PANEL PCM 120/208	
WPL1046923 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP # 301 MOTOR VFD	

MWP Backlog as of June 4,2020

Facility and Backlog Work Orders	Total Open Work Orders
WPL1046924 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP # 501 MOTOR VFD WPL1046925 FY20 AMWP PWTP REPLACE NON-IONIC POLY METER PUMP # 501 MOTOR VFD WPL1046928 FY20 AMWP PWTP REPLACE CAUSTIC FEED RM ELECTRICAL CONTROL PANEL PHA 120/208 WPL1046931 FY20 AMWP PWTP REPLACE AMMONIA FEED RM; NH4 METER PUMP #2 MOTOR-DRIVE WPL1046932 FY20 AMWP PWTP REPLACE BP ANIONIC POLY BATCH TANK #1 MIXER MOTOR VFD WPL1046933 FY20 AMWP PWTP REPLACE BP ANIONIC POLY BATCH TANK #2 MIXER MOTOR VFD WPL1046935 FY20 AMWP PWTP REPLACE BELTPRESS SMALL UPS FOR LCP-P WPL1046936 FY20 AMWP PWTP REPLACE NON-IONIC POLY BATCH TANK #1 MIXER VFD WPL1046937 FY20 AMWP PWTP REPLACE NON-IONIC POLY BATCH TANK #1 MIXER VFD WPL1046938 FY20 AMWP PWTP REPLACE NON-IONIC POLY BATCH TANK #2 VFD WPL1046957 FY20 AMWP PWTP INSPECT & REPLACE IF NEEDED: REEL SHAFT, PILLOWBLOCK BEARINGS, PADDLE WHEEL, SST HARD WPL1046964 FY20 AMWP PWTP ELECTRICAL TESTING WPL1046965 FY20 AMWP PWTP REPLACE GEARBOX, MOTOR & VFD, PWTP FLOCCULATOR #1 DRIVE UNITS A, B, C & D WPL1046966 FY20 AMWP PWTP REPLACE MIXER, GEARBOX, & MOTOR, PWTP FLOCCULATOR RAPID MIXER #1- #3 WPL1046967 FY20 AMWP PWTP REPLACE GEARBOX AND MOTOR, PWTP SEDIMENT BASIN RAKE DRIVE #1, #2 & #3 WPL1046968 FY 20 AMWP PWTP REPLACE GEARBOX, MOTOR & VFD, FLOCCULATOR #2 DRIVE UNITS A, B, C & D WPL1046969 FY20 AMWP PWTP REPLACE GEARBOX, MOTOR & VFD, PWTP FLOCCULATOR #3 DRIVE UNITS A, B, C & D WPL1046970 FY20 AMWP PWTP REPLACE SHAFT, FLIGHTS, FLIGHT CHAINS AND SPROCKETS, WEAR STRIP AND DRIVE CHAINS,SEDI WPL1046971 FY20 AMWP PWTP INSPECT & REPLACE IF NEEDED, PWTP FLOCCULATOR #2 PADDLE UNITS A, B, C & D WPL1046972 FY20 AMWP PWTP INSPECT & REPLACE IF NEEDED: REEL SHAFT, FLOCCULATOR #2 PADDLE UNITS A, B, C & D WPL1046973 FY20 AMWP PWTP INSPECT & REPLACE IF NEEDED, REEL SHAFT, FLOCCULATOR #3 PADDLE UNITS A, B, C & D WPL1047172 FY20 AMWP PWTP REPLACE DUTARD PUMP STATION T/O 16" FLOWMETER WPL1058040 FY20 AMWP PWTP INSPECTION LIQUID OXYGEN TANK #1 WPL1058041 FY20 AMWP PWTP INSPECTION LIQUID OXYGEN TANK #2	16
RW T&D RWM1000314 FY19 AMWP CPL-REHABILITATION, Page Turnout - Sta. 646+00 (SEE LONG DESCRIP). RWM1000315 FY19 AMWP CPL-REHABILITATION, Raised Concrete Vault - Sta. 656+58.50 - Kirk Ditch Turnout (LONG DES) RWM1005686 FY20 AMWP CAP, SHUTDOWN & INSPEC, - CAP - BAILEY AVE LV TO CALERO MODULATION VAULT (PIPE) RWM1005687 FY20 AMWP CAP, REHAB VAULTS APPUR., PIPE- CAP BAILEY AVE LV TO CALERO MODULATION VAULT (PIPE) RWM1005688 FY20 AMWP CAP, SHUTDOWN & INSPEC, CALERO PIPE-CVP TO BAILEY AVE LV 78" (PIPE) RWM1005689 FY20 AMWP CAP, REHAB VAULTS APPUR., PIPE- CALERO PIPE-CVP TO BAILEY AVE LV 78" (PIPE) RWM1005692 FY20 AMWP CAP - STA. 147+58 (APPROX) REPLACE GENERATOR (BACK-UP) CALERO MOD VAULT RWM1005693 FY20 AMWP CVP SHUTDOWN & INSPEC, CROSS VALLEY PIPELINE - PEET ROAD TO COCHRAN LINE VALVE (PIPE) RWM1005694 FY20 AMWP CVP REHAB VAULTS, APPURT, PIPE & AFO INSTALL, - PEET ROAD TO COCHRAN LINE VALVE (PIPE) RWM1005695 FY20 AMWP CVP STA. 101+54.65 RAISED CONCRETE VAULT PEET RD LV-CLEAN & RECOAT PIPE RWM1005696 FY20 AMWP CVP SHUTDOWN & INSPEC, COCHRAN LINE VALVE TO SAN BRUNO LINE VALVE (PIPE) RWM1005697 FY20 AMWP CVP REHAB VAULTS APPUR, PIPE &AFO INSTA, COCHRAN LINE VALVE TO SAN BRUNO LINE VALVE (PIPE) RWM1005698 FY20 AMWP CVP SHUTDOWN & INSPECTION, SAN BRUNO LINE VALVE TO CALERO PIPELINE (PIPE) RWM1005699 FY20 AMWP CVP REHAB VAULTS & APPUR, PIPE & AFO INSTA, SAN BRUNO LINE VALVE TO CALERO PIPELINE (PIPE) RWM1005700 FY20 AMWP CVP SHUTDOWN & INSPEC- CPP TO PEET RD LV PIPING STA. 100+54.66 TO STA. 101.54.66 (PIPE) RWM1005701 FY20 AMWP CVP REHAB VAULTS, APPURT, CPP TO PEET RD LV PIPING STA. 100+54.66 TO STA. 101.54.66 (PIPE)	35
RWTP 201903153 FY19 AMWP RWTP REPLACE PLANT WATER PUMP (BACKUP) BLDG HEATER 201903155 FY19 AMWP RWTP REPLACE AQUA NH4 SPRINKLER CONTROL VALVE 201903156 FY19 AMWP RWTP OSHA INSPECTION, AIR RECEIVER TANK # 1 201903157 FY19 AMWP RWTP OSHA INSPECTION, AIR RECEIVER TANK # 2 201903158 FY19 AMWP RWTP OSHA INSPECTION, PAC AIR COMPRESSOR; AIR RECEIVER TANK 201903159 FY19 AMWP RWTP OSHA INSPECTION, STANDBY AIR COMPRESSOR AIR RECEIVING TANK 202001147 FY20 AMWP RWTP SECURITY SYSTEM WPL1032145 FY19 AMWP RWTP REPLACE CLEARWELL EAST ELEVATION METER WPL1032147 FY19 AMWP RWTP REPLACE-CLEARWELL WEST ELEVATION METER WPL1032160 FY19 AMWP RWTP REPLACE-NON-IONIC FILTER POLY MIXING TANK #1 MOTOR WPL1032162 FY19 AMWP RWTP REPLACE-NON-IONIC FILTER POLY MIXING TANK #2 MOTOR WPL1032164 FY19 AMWP RWTP REPLACE-ALUM/ FERRIC TRANSFER PUMP MOTOR WPL1032166 FY19 AMWP RWTP REPLACE-NON-IONIC FILTER POLY MIXING TANK #2 MOTOR WPL1032167 FY19 AMWP RWTP REPLACE-NON-IONIC FILTER POLY MIXING TANK #2 MOTOR WPL1032169 FY19 AMWP RWTP REPLACE-CAT POLY STORAGE TANK # 2; BFV OPERATOR WPL1032170 FY19 AMWP RWTP REPLACE- NON-IONIC NEAT POLY BLEND PUMP #1; MOTOR WPL1032171 FY19 AMWP RWTP REPLACE-NON-IONIC NEAT POLY BLEND PUMP # 2; MOTOR WPL1032608 FY18 AMWP RWTP REPLACE NON-IONIC FILTER POLY MIXING TANK #2 MOTOR WPL1032611 FY19 AMWP RWTP REPLACE CAT POLY STORAGE TANK # 2; BFV OPERATOR WPL1046975 FY20 AMWP RWTP TEST, REPLACE PLANT WATER PUMP (BACKUP) ELEC. CIRC. PUMP WPL1046976 FY20 AMWP RWTP REPLACE INCLUDE COUPLING ADAPTER, OCL STORAGE TANK # 1 TRANSFER PUMP (M-301) WPL1046977 FY20 AMWP RWTP REPLACE OCL STORAGE TANK # 1TRANSFER PUMP (M-301) MOTOR WPL1046978 FY20 AMWP RWTP REPLACE, INCLUDE COUPLING ADAPTER, OCL STORAGE TANK # 2 TRANSFER PUMP (M-302) WPL1046979 FY20 AMWP RWTP REPLACE OCL STORAGE TANK # 2 TRANSFER PUMP (M-302) MOTOR WPL1046980 FY20 AMWP RWTP REPLACE INCUDE COUPLING ADAPTER, OCL STORAGE TANK #3 TRANSFER PUMP (M-303) WPL1046981 FY20 AMWP RWTP REPLACE OCL STORAGE TANK #3 TRANSFER PUMP (M-302) MOTOR WPL1046982 FY20 AMWP RWTP TEST & REBUILD MAPS UNIT 1 PUMP WPL1046983 FY20 AMWP RWTP TEST & REBUILD MAPS UNIT 2 PUMP WPL1046988 FY20 AMWP RWTP REPLACE RINC RESERVOIR 8 in DRAIN VALVE (B103B) WPL1046989 FY20 AMWP RWTP REPLACE PHOSPHORIC ACID TANK #1 VALVE(MOV) WPL1046990 FY20 AMWP RWTP REPLACE PHOSPHORIC ACID TANK #2 VALVE (MOV) WPL1046991 FY20 AMWP RWTP REPLACE PHOSPHORIC ACID TANK TRANSFER PUMP (M-906) WPL1046992 FY20 AMWP RWTP TEST & REPLACE PHOSPHORIC ACID TANK TRANSFER PUMP MOTOR WPL1046993 FY20 AMWP RWTP TEST, REPLACE PHORPHORIC ACID TANK SUMP PUMP (M-905) WPL1046995 FY20 AMWP RWTP TEST, REPLACE, PLANT WATER PUMP (BACKUP) PRV	47
STWT 201903160 FY19 AMWP STWTP REPLACE CHILLED WATER PUMP (CH P2) 201903161 FY19 AMWP STWTP EVALUATE, EVACUATION ALARM SYSTEM 201903162 FY19 AMWP STWTP REPLACE, INTERCOM SYSTEM 201903163 FY19 AMWP STWTP OSHA INSPECTION, AIR RECEIVER TANK #1 201903164 FY19 AMWP STWTP OSHA INSPECTION, AIR RECEIVER TANK #2 201903165 FY19 AMWP STWTP OSHA INSPECTION, OZONE GEN BLDG CLEAN AIR RECEIVER TANK (VERTICAL) WPL1032621 FY19 AMWP STWTP REPLACE PIPING AIR WASH SYSTEM (SEE LONG DESCRIPTION) WPL1032634 FY19 AMWP STWTP INSPECT, CLEAN, THICKNESS, PROPANE TANK; 1000 GAL.-BOILER WPL1032642 FY19 AMWP STWTP REPLACE FLOC MIXER 1ST STG MX-15 WPL1032643 FY19 AMWP STWTP REPLACE FLOC MIXER DRIVE MOTOR 1ST STG MX-15 WPL1032660 FY19 AMWP STWTP REHAB, REPLACE BATTERIES, INSPECT, UPS NEXT TO I / O PANEL WPL1032854 FY19 AMWP STWTP EH&S-MONITOR & SPILL CONTAINMENT TEST, EMERGENCY GENERATOR DIESEL FUEL TANK 3;000 GA WPL1046998 FY20 AMWP STWTP REPLACE OCL TRANSFER PUMP #1 WPL1047001 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, MOTOR CONTROL CENTER - MCC-1M	47

MWP Backlog as of June 4,2020

Facility and Backlog Work Orders	Total Open Work Orders
WPL1047002 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, MOTOR CONTROL CENTER BACKWASH BLDG MCC-2G	
WPL1047003 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, MOTOR CONTROL CENTER BACKWASH BLDG MCC-5M	
WPL1047004 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, MOTOR CONTROL CENTER EAST FILTER DECK MCC-DP2 (OUTDOORS)	
WPL1047005 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, MOTOR CONTROL CENTER FLOC & SED BASINS EAST MCC-3M (OUTD	
WPL1047006 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, MOTOR CONTROL CENTER FLOC & SED BASINS WEST MCC-2M (OUTD	
WPL1047007 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, MOTOR CONTROL CENTER WASHWATER REC BLDG MCC-4M	
WPL1047008 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, WEST FILTER GALLERY MCC-DP1: (OUTDOORS) ATTACHED TO MCC-2	
WPL1047009 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, GRAYSTONE MOTOR CONTROL CENTER (MCC-A)	
WPL1047010 FY20 AMWP STWTP REPLACE SEDIMENT RAKE DRIVE (ME 38-39)	
WPL1047011 FY20 AMWP STWTP REPLACE SEDIMENT RAKE DRIVE MOTOR (ME 38-39) -EAST	
WPL1047012 FY20 AMWP STWTP REPLACE DRIVE & AUGER,STWTP SLUDGE CROSS COLLECTOR ME-42 (EAST)	
WPL1047013 FY20 AMWP STWTP REPLACE SLUDGE CROSS COLLECTOR DRIVE MOTOR ME-42 (EAST)	
WPL1047014 FY20 AMWP STWTP REPLACE DRIVE & AUGER, SLUDGE CROSS COLLECTOR ME-47 (EAST)	
WPL1047015 FY20 AMWP STWTP REPLACE SLUDGE CROSS COLLECTOR DRIVE MOTOR ME-47 (EAST)	
WPL1047016 FY20 AMWP STWTP REPLACE LAB TOC ANALYZER	
WPL1047017 FY20 AMWP STWTP REPLACE FLOC MIXER 1ST STG MX-6	
WPL1047032 FY20 AMWP STWTP REPLACE FLOC MIXER DRIVE MOTOR 1ST STG MX-6	
WPL1047033 FY20 AMWP STWTP INSPECTION LIQUID OXYGEN TANK #2	
WPL1047037 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, WWC ELECTRICAL ROOM - MCC-15 - NORTH	
WPL1047038 FY20 AMWP STWTP TEST MCC & FEEDER PER NETA, WWC ELECTRICAL ROOM - MCC-15 - NORTH	
WPL1047039 FY20 AMWP STWTP REPLACE CAUSTIC METER PUMP MOTOR #1 VFD (FD-10)	
WPL1047040 FY20 AMWP STWTP REPLACE CAUSTIC METER PUMP MOTOR #2 VFD (FD-11)	
WPL1047041 FY20 AMWP STWTP REPLACE CAUSTIC METER PUMP MOTOR #3 VFD (FD-12)	
WPL1047042 FY20 AMWP STWTP REPLACE ALUM METER PUMP MOTOR #1 VFD (FD-7)	
WPL1047043 FY20 AMWP STWTP REPLACE ALUM METER PUMP MOTOR #2 VFD (FD-8)	
WPL1047044 FY20 AMWP STWTP REPLACE ALUM METER PUMP MOTOR #3 VFD (FD-9)	
WPL1047144 FY20 AMWP STWTP ELECTRICAL TESTING (CONTRACTOR COST)	
WPL1047145 FY20 AMWP STWTP ELECTRICAL TESTING (VALLEYWATER LABOR)	
WPL1047146 FY20 AMWP STWTP GRAYSTONE PP ELECTRICAL TESTING (CONTRACTOR COST)	
WPL1047147 FY20 AMWP STWTP GRAYSTONE PP ELECTRICAL TESTING (VALLEYWATER LABOR)	
WPL1047148 FY20-22 AMWP STWTP REPLACE MEDIA & NOZZLES AS NEEDED, FILTERS #1-12 (CAPITAL/CONTRACTOR)	
WPL1047149 FY20-22 AMWP STWTP REHAB, BLAST & REPAIR & COAT AS NEEDED, FILTERS #1-12 (CAPITAL/CONTRACTOR)	
WPL1058039 FY20 AMWP STWTP INSPECTION LIQUID OXYGEN TANK #1	
SVA	6
WPL1032696 FY19 AMWP SVA-CONTRACT COST, ELECTRICAL TESTING	
WPL1032701 FY19 AMWP SVA-(LABOR) UV SYSTEM PERFORMANCE REVIEW	
WPL1032702 FY19 AMWP SVA-(EQUIPMENT COSTS), UV: EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALU	
WPL1032703 FY19 AMWP SVA-Design and construct 30 by 50 foot storage (SEE LONG DESCRIPTION)	
WPL1047167 FY20 AMWP SVA REPLACEMENT OF EXISTING WORKING TRAILER (RENTING)	
WPL1061521 FY20 AMWP SVA REPLACEMENT OF EXISTING WORKING TRAILER (RENTING)	
VPP	2
201903166 FY19 AMWP VPP OSHA INSPECTION, METER SHOP AIR COMPRESSOR	
RWM1000351 FY19 AMWP VPP INSTALL SECURITY FENCE	
Water Supply Management System Maintenance	19
RWM1000623 FY19 AMWP VIDEO INSPECTION, UVAS DAM TRANSFER 36" LINE	
RWM1000625 FY19 AMWP HELMSLEY PIPELINE, VIDEO INSPECTION	
RWM1000627 FY19 AMWP MABURY DIVERSION FISH LADDER, INSPECT, REMOVE SEDIMENT	
RWM1000628 FY19 AMWP ALAMITOS DIVERSION, INSPECT & REMOVE SEDIMENT	
RWM1000631 FY19 AMWP GUADALUPE POND #1, REPLACE VALVES FROM PIPELINE TO POND#1	
RWM1000633 FY19 AMWP MASSON FISH LADDER, INSPECT, REMOVE SEDIMENT	
RWM1000634 FY19 AMWP ALMADEN CALERO CANAL, REPAIR AS NEEDED	
RWM1000635 FY19 AMWP BUDD PONDS, REPLACE FLOWMETERS- METTERS NEED TO BE ORDERED	
RWM1000637 FY19 AMWP PAGE DITCH, REPLACE VALVE, LINE PIPE, REQUIRES SHORING	
RWM1000638 FY19 AMWP SUNNYOAKS PONDS, REPLACE FLOWMETER	
RWM1000639 FY19 AMWP SUNNYOAKS PIPELINE VIDEO INSPECTION	
RWM1000640 FY19 AMWP KIRK DIVERSION, INSPECT DAM, PERFORM MINOR REPAIRS	
RWM1000641 FY19 AMWP COYOTE-ALAMITOS CANAL,VIDEO INSPECTION, ROOT REMOVAL	
RWM1000642 FY19 AMWP COYOTE-ALAMITOS CANAL, SEDIMENT, VEGETATION REMOVAL	
RWM1000643 FY19 AMWP FORD ROAD PERCOLATION, REMOVE OLD FISH LADDER CHANNELS	
RWM1000644 FY19 AMWP SAN PEDRO PONDS VEGETATION REMOVAL	
RWM1000658 FY19 AMWP MADRONE POND #4, CLEAN GROOM, CAPACITY RESTORATION	
RWM1005712 FY20 AMWP INSPECT & THICKNESS, TANK #1, KIRK BLOCKHOUSE	
RWM1005713 FY20 AMWP PAGE DITCH, INSPECTION & THICKNESS,TANK #1, BLOCKHOUSE	
Water Supply Management System Operations	13
RWM1000629 FY19 AMWP ALAMITOS PIPELINE, REPLACE INLET VALVE FROM POND #11	
RWM1000645 FY19 AMWP CHURCH AVE PONDS, VEG REMOVAL & EMBANKMENT REPAIR	
RWM1000649 FY19 AMWP OKA PONDS, CLEAN, GROOM, CAPACITY RESTORATION	
RWM1000650 FY19 AMWP MCGLINCY PONDS, CLEAN, GROOM, CAPACITY RESTORATION	
RWM1000652 FY19 AMWP CAPITOL POND- CLEAN, GROOM, CAPACITY RESTORATION	
RWM1000653 FY19 AMWP MAIN PONDS-CLEAN, GROOM, CAPACITY RESTORATION	
RWM1000654 FY19 AMWP MAIN PONDS-CLEAN, GROOM, CAPACITY RESTORATION	
RWM1000655 FY19 AMWP MADRONE POND #1-CLEAN, GROOM, CAPACITY RESTORATION	
RWM1000656 FY19 AMWP MADRONE POND #2, CLEAN, GROOM, CAPACITY RESTORATION	
RWM1000657 FY19 AMWP MADRONE POND #3, CLEAN, GROOM, CAPACITY RESTORATION	
RWM1000659 FY19 AMWP MADRONE POND #5, CLEAN GROOM, CAPACITY RESTORATION	
RWM1000660 FY19 AMWP MADRONE POND #6, CLEAN ,GROOM, CAPACITY RESTORATION	
RWM1000665 FY19 AMWPMCCLELLAN PONDS, CLEAN , GROOM, CAPACITY RESTORATION	
Grand Total	338

PENITENCIA WATER TREATMENT PLANT (FY21)										Estimated Total Hours														
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE	
1	2021	LP10283	PTWP BACKWASH PUMP ROOF STRUCTURE REPAIR		\$ 70,000	Roof is not sealed and is leaking - John Cook	WPL1063348	93764004	6229							9								#N/A
2	2021	PHANTOM	PWTP ELECTRICAL TESTING	ADMINISTRATION COST: CONTRACT COST FOR ELECTRICAL TESTING	\$ 12,000		WPL1063349	93231099	6165				60							0				#N/A
3	2021	PHANTOM	PWTP ELECTRICAL TESTING	DISTRICT LABOR COST	\$ 12,000		WPL1063350	93231099	6165			80								80				#N/A
4	2021	AP46513	PWTP OGB UNIT #1 MASS FLOW METER (OX-FIT-305)	REPLACEMENT	\$ 6,250	SWAPPING A SPARE WHILE ONE GOES OUT FOR CALIBRATION	WPL1063351	93764004	6626		9													#N/A
5	2021	AP46514	PWTP OGB UNIT #2 MASS FLOW METER (OX-FIT-306)	REPLACEMENT	\$ 6,250	SWAPPING A SPARE WHILE ONE GOES OUT FOR CALIBRATION	WPL1063352	93764004	6626		9													#N/A
6	2021	AP46515	PWTP OGB; UNIT #3; MASS FLOW METER (OX-FIT-307)	REPLACEMENT	\$ 6,250	SWAPPING A SPARE WHILE ONE GOES OUT FOR CALIBRATION	WPL1063353	93764004	6626		9													#N/A
7	2021	AP66739	PTWTP OZONE GEN BLDG MASS FLOWMETER (OZ-FIT-311)	REPLACEMENT	\$ 6,250		WPL1063354	93764004	6626	9		18												#N/A
8	2021	AP66740	PTWTP OZONE GEN BLDG MASS FLOWMETER (OZ-FIT-312)	REPLACEMENT	\$ 6,250		WPL1063355	93764004	6626	9		18												#N/A
9	2021	AP66741	PWTP OZONE GEN BLDG MASS FLOWMETER (OZ-FIT-313)	REPLACEMENT	\$ 6,250		WPL1063356	93764004	6626	9		18												#N/A
10	2021	AP66742	PWTP OZONE GEN BLDG MASS FLOWMETER (OZ-FIT-314)	REPLACEMENT	\$ 6,250		WPL1063357	93764004	6626	9		18												#N/A
11	2021	EL-1601	PWTP 4" COLT 300-9BF AMES DCDA BACKFLOW PREVENTER	REPLACEMENT	\$ 6,250	NEED TO INVESTIGATE THE LOCATION OF THIS ASSET	WPL1063359	93764004	6626															#N/A

RED = AM
 BLUE = MAINT
 PURP = ENGR

PENITENCIA WATER TREATMENT PLANT (FY21)										Estimated Total Hours														
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE	
12	2021	AP46550	PWTP OGB-SN MASS FLOW METER (SN-FIT-346)	REPLACEMENT	\$ 6,250		WPL1063361	93764004	6626		9													#N/A
13	2021	PHANTOM12	PWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATION COST	\$ 5,000		WPL1063362	93231099	6165	8		3												#N/A
14	2021	AP54359	PWTP FILTER #1 PARTICLE COUNTER (AIT-767/FIT-1307)	CALIBRATE	\$ 500		WPL1063364	93231099	2012			3												#N/A
15	2021	AP54360	PWTP FILTER #2 PARTICLE COUNTER (AIT-768/FIT-1308)	CALIBRATE	\$ 500		WPL1063364	93231099	2012			3												#N/A
16	2021	AP54361	PWTP FILTER #3 PARTICLE COUNTER (AIT-769/FIT-1309)	CALIBRATE	\$ 500		WPL1063364	93231099	2012			3												#N/A
17	2021	AP66490	PWTP; FILTER #4 PARTICLE COUNTER (AIT-770/FIT-1310)	CALIBRATE	\$ 500		WPL1063364	93231099	2014			3												#N/A
18	2021	AP66491	PWTP; FILTER #5 PARTICLE COUNTER (AIT-771/FIT1311)	CALIBRATE	\$ 500		WPL1063364	93231099	6165			3												#N/A
19	2021	AP66492	PWTP; FILTER #6 PARTICLE COUNTER (AIT-772/FIT-1312)	CALIBRATE	\$ 500		WPL1063364	93231099	6165			3												#N/A
20	2021	AP67241	PWTP DOMESTIC WATER PUMP	REPLACEMENT:	\$ 6,000		WPL1063365	93764004	6626	9										5				80
21	2021	AP10169	PWTP DOMESTIC WATER PUMP MOTOR	REPLACEMENT:	\$ 2,890		WPL1063367	93764004	6626	9										5				75
22	2021	AP10670	PWTP PHOSPHORIC ACID FEED CONTROL PANEL (PZNPC)	INSPECT AND REHAB (PCP) AS NEEDED	\$ 36,000	REPLACE PLC 12 YRS; REPLACE PCP&BCP 24YRS	WPL1063368	93764004	6626			9								36				51

RED = AM
BLUE = MAINT
PURP = ENGR

PENITENCIA WATER TREATMENT PLANT (FY21)										Estimated Total Hours														
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE	
23	2021	AP10670	PWTP PHOSPHORIC ACID FEED CONTROL PANEL (PZNPC)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	\$ 11,250		WPL1063369	93764004	6626			9												51
24	2021	AP50331	PWTP FILTER GALLERY SMALL UPS FOR I/O DROP 11	REPLACEMENT	\$ 4,500		WPL1063370	93764004	6626		9		4				9							51
25	2021	AP50329	PWTP FILTER GALLERY SMALL UPS FOR I/O DROPS 7&8	REPLACEMENT	\$ 3,000		WPL1063371	93764004	6626		9		4				9							51
26	2021	AP46611	PWTP OGB OZ DESTRUCTOR UNIT #2 OFF GAS BLOWER (POGB02)	REPLACEMENT	\$ 23,625		WPL1063372	93764004	6626		9							5						43
27	2021	AP49925	PWTP PW FIRE PUMP DEISEL FUEL TANK (12 GA/300 GALS)	INSPECTION: EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$ 1,000		WPL1063373	93231099	6165				6											38
28	2021	AP10401	PWTP OCL FEED ROOM HEATER #4	REPLACEMENT	\$ 2,250	FACILITY WO	FACILITY WO WPL1063375	93764004	6626							27								36
29	2021	AP10664	PWTP; ALUM TANK FARM; TRUCK UNLOADING CP (PFCTUP)	MS1: BIENNIAL MECHANICAL AND VISUAL INSPECTION, AND REPLACE IF NEEDED - PLC, CONTRACTOR	\$ 11,250	REPLACE PLC 12 YRS; REPLACE PCP&BCP 24YRS MECHANICAL AND VISUAL INSPECTION 2YR, REPLACE IF NEEDED 15 YR MAX	WPL1063376	93231099	6165				6											34
30	2021	AP50383	PWTP STAND-BY GEN. FUEL TANK; DIESEL (4000 GAL/BURIED)	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$ 1,000	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION (1 YR); SECONDARY CONTAINMENT LEAK TESTING (VALVES & PIPING) (3YR)-REPLACEMENT	WPL1063378	93231099	6165				6				10							34
31	2021	AP49920	PWTP PW FIRE PROTECTION 10 IN BFV BYPASS/SENSOR (483)	REPLACEMENT	\$ 1,600	FACILITY WO	FACILITY WO WPL1063379	93764004	6626			4												32
32	2021	AP49922	PWTP PW FIRE PROTECTION 10 IN BFV BY PASS/SENSOR (484)	REPLACEMENT	\$ 1,600	FACILITY WO	FACILITY WO WPL1063380	93764004	6626			4												32
33	2021	AP10131	PWTP OCL STORAGE TANK #2	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	REPLACE 40YRS, INSPECTION INTERNAL +(UT) 5YRS, COAT 20YRS; INTEGRITY INSPECTION (I)(UT) + REHAB LINER 10 YRS:CONTRACT WORK	WPL1063381	93231099	6165				9					4						32

PENITENCIA WATER TREATMENT PLANT (FY21)										Estimated Total Hours													BRE	
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)		
34	2021	AP50006	PWTP HP HYDROGEN PEROXIDE STORAGE TANK (PHPT01)	INSPECTION: INSPECTION (E)	\$ 4,000		WPL1063382	93231099	6165				6											32
35	2021	AP10189	PWTP FILTER #1 CONTROL PANEL	INSPECTION	\$ 36,000	REPLACE PLC 12 YRS; REPLACE PCP&BCP 24YRS; MS1: BIENNIAL MECHANICAL AND VISUAL INSPECTION, AND REPLACE IF NEEDED	WPL1063383	93231099	6165										36					30
36	2021	AP10257	PWTP; FILTER #5; FLOWMETER (FIT-322)	REPLACEMENT	\$ 4,050		WPL1063384	93764004	6626	9		18												30
37	2021	AP10215	PWTP; FILTER #2; FLOWMETER (FIT-303)	REPLACEMENT	\$ 4,050		WPL1063385	93764004	6626	9		18												30
38	2021	AP10229	PWTP; FILTER #3; FLOWMETER (FIT-312)	REPLACEMENT	\$ 4,050		WPL1063386	93764004	6626	9		18												30
39	2021	AP10243	PWTP; FILTER #4; FLOWMETER (FIT-303)	REPLACEMENT	\$ 4,050		WPL1063387	93764004	6626	9		18												30
40	2021	AP10271	PWTP; FILTER #6; FLOWMETER (FIT-323)	REPLACEMENT	\$ 4,050		WPL1063388	93764004	6626	9		18												30
41	2021	AP10143	PWTP OCL FEED PUMP #3	REPLACEMENT	\$ 30,000	MECHANICAL ENGRING WIL SUPPORT. REQUIRES THE FLOW RANGE AND PEDESTAL TO BE SPEC'D; 2 PER YEAR	WPL1063389	93764004	6626	18	5	5												29
42	2021	AP10145	PWTP OCL FEED PUMP #4	REPLACEMENT	\$ 30,000	MECHANICAL ENGRING WIL SUPPORT. REQUIRES THE FLOW RANGE AND PEDESTAL TO BE SPEC'D; 2 PER YEAR	WPL1063390	93764004	6626	18	5	5						5						29
43	2021	AP46610	PWTP OGB OZ DESTRUCTOR UNIT # 1 OFF GAS BLOWER (POGB01)	REPLACEMENT	\$ 23,625		WPL1063391	93764004	6626	27								5						29
44	2021	AP49972	PWTP OGB OZ DESTRUCTOR UNIT # 1 OFF GAS BLOWER MOTOR (POD01)	REPLACEMENT	\$ 2,890	OKAY	WPL1063392	93764004	6626	27									6					29

PENITENCIA WATER TREATMENT PLANT (FY21)										Estimated Total Hours													
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE
45	2021	AP49973	PWTP OGB OZ DESTRUCTOR UNIT #2 OFF GAS BLOWER MOTOR (POD02)	REPLACEMENT	\$ 2,890	OKAY	WPL1063393	93764004	6626		9								6				29
46	2021	AP10144	PWTP OCL FEED PUMP #3 MOTOR	REPLACEMENT	\$ 2,000	ORDER PUMP & MOTOR TOGETHER;	WPL1063394	93764004	6626	9									5				29
47	2021	AP10146	PWTP OCL FEED PUMP #4 MOTOR	REPLACEMENT	\$ 2,000	ORDER PUMP & MOTOR TOGETHER;	WPL1063395	93764004	6626	9									5				29
48	2021	AP10616	PWTP CATIONIC POLY FLOW METER (FIT-301)	REPLACEMENT	\$ 4,375		WPL1063396	93764004	6626	3		3											28
49	2021	AP46620	PWTP OGB UNIT #1 POWER SUPPLY CONTROL PANEL PSU (POZPSU01)	INSPECT AND REHAB (PCP & BCP) AS NEEDED	\$ 36,000		WPL1063397	93764004	6626	9		4							36				27
50	2021	AP46620	PWTP OGB UNIT #1 POWER SUPPLY CONTROL PANEL PSU (POZPSU01)	INSPECT AND REHAB (PCP) AS NEEDED	\$ 11,250		WPL1063398	93764004	6626	9		4							36				27
51	2021	AP49914	PWTP PW PUMP #1 MOTOR VFD	REPLACEMENT/ INSTALLATION	\$ 8,250	OKAY FOR NOW, MENTION THIS TO MAE	WPL1063404	93764004	6626			9							12				26
52	2021	AP49916	PWTP PW PUMP #2 MOTOR VFD	REPLACEMENT	\$ 8,250	OKAY FOR NOW, MENTION THIS TO ELECTRICAL	WPL1063405	93764004	6626										12				26
53	2021	AP54379	PWTP OCL STORAGE TANK #3 TRANSFER PUMP (M-320)	REPLACE	\$ 27,000	REMOVE REHAB ACTIVITY, THESE SHOULD BE REPLACED. REPLACE 20; REHAB 10YR; MOVED TO FY21	WPL1063399	93764004	6626	18		2											24
54	2021	AP54376	PWTP OCL STORAGE TANK #1 TRANSFER PUMP (M-318) MOTOR	REPLACEMENT	\$ 2,210	REMOVE REHAB ACTIVITY, THESE SHOULD BE REPLACED. REPLACE 20 YRS; REHAB 10YR; MOVED TO FY21	WPL1063400	93764004	6626	5		2							6				24
55	2021	AP54378	PWTP OCL STORAGE TANK #2 TRANSFER PUMP (M-319) MOTOR	REPLACEMENT	\$ 2,210	REMOVE REHAB ACTIVITY, THESE SHOULD BE REPLACED. REPLACE 20; REHAB 10YR; MOVED TO FY21	WPL1063401	93764004	6626	5		2							6				24

PENITENCIA WATER TREATMENT PLANT (FY21)										Estimated Total Hours													
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE
56	2021	AP54380	PWTP OCL STORAGE TANK #3 TRANSFER PUMP (M-320) MOTOR	REPLACEMENT	\$ 2,210	REMOVE REHAB ACTIVITY, THESE SHOULD BE REPLACED. REPLACE 20; REHAB 10YR; MOVED TO FY21	WPL1063402	93764004	6626	5		2							6				24
57	2021	AP46608	PWTP OGB-SN DESSICANT AIR DRYER #1 (PDD01)	REPLACEMENT	\$ 3,000		WPL1063403	93764004	6626	18													23
58	2021	AP46609	PWTP OGB-SN DESSICANT AIR DRYER #2 (PDD02)	REPLACEMENT	\$ 3,000		WPL1063406	93764004	6626	18													23
59	2021	AP46606	PWTP OGB-SN AIR COMPRESSOR #1 (PSNCMP01)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	FACILITY WO	FACILITY WO WPL1063407	93231099	6165							3							23
60	2021	AP46607	PWTP OGB-SN AIR COMPRESSOR #2 (PSNCMP02)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	FACILITY WO	FACILITY WO WPL1063408	93231099	6165							3							23
61	2021	AP10659	PWTP; ALUM FEED BLDG; ALUM PUMP CONTROL PANEL	INSPECT AND REHAB (PCP & BCP) AS NEEDED	\$ 36,000	REPLACE PLC 12 YRS; REPLACE PCP&BCP 24YRS	WPL1063409	93764004	6626		9	4							36				20
62	2021	AP10659	PWTP; ALUM FEED BLDG; ALUM PUMP CONTROL PANEL	INSPECT AND REHAB (PCP) AS NEEDED	\$ 11,250	REPLACE PLC 12 YRS; REPLACE PCP&BCP 24YRS	WPL1063410	93764004	6626		9	4							36				20
63	2021	AP50398	PWTP POLY FEED PLC/IO PANEL (DROP4)	REPLACEMENT - CONTRACTOR	\$ 15,000	NEEDS TO BE SURVEYED PER ERIC K.	WPL1063411	93764004	6626										36				18
64	2021	AP10280	PWTP CATIONIC POLY TANK	COAT	\$ 5,000		WPL1063412	93231099	6165				6										18
65	2021	AP10280	PWTP CATIONIC POLY TANK	INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS	\$ 4,000	INSPECTION (E); 5YR; \$1,000; INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS; 20YR; \$4,000;	WPL1063413	93231099	6165				6										18
66	2021	AP67277	PWTP CALCIUM THIOSULFATE STORAGE TANK 1 (POQAT01)	INSPECT & CLEAN	\$ 16,000	MIKE S.	WPL1063413	93231099	6165				6										17

RINCONADA WATER TREATMENT PLANT (FY21)											Estimated Total Hours												
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&C'S ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE
1	2021	AP20125	RWTP OCL STORAGE TANK #1 (ROCLT01)	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT) 5YR; INTEGRITY INSPECTION (I) + (UT) + CLEANING, REPLACE LINER AND REPAIR 10YR; COAT 20 YRS; REPLACE 40 YR	WPL1063334	93291099	6165	4			9					4					63
2	2021	AP50903	RWTP CAUSTIC TANK #2 (ROHT02) 15K GAL	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	PENDING RIP; EXTERNAL 5YR; INTERNAL 20YR; COAT 20YR;	WPL1063335	93291099	6165				9										40
3	2021	AP21039	MAPS UNIT 3 PUMP	REBUILD MAPS UNIT 1 PUMP ; DEPENDS ON HYDRAULIC PERFORMANCE AND VIBRATION TEST	\$ 20,000	REHAB 10YR; REPLACE 20YR; MOVED TO FY21: Motor & Pump bid together. Contract work out. M.E. WILL SUPPORT HYD PERFORMANCE AND VIBRATION EVALUATION	WPL1063322	93764004	6626	108			9		12			36		8			39
4	2021	AP20935	RWTP CAT POLY TANK CONTROL PANEL (RCPTCP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	\$ 11,250		WPL1063331																38
5	2021	AP52097	RWTP UL STAND-BY GEN ENGINE FUEL DAY TANK (100 GAL)	COAT:	\$ 4,000		WPL1063340	93291099	6165														36
6	2021	AP20098	RWTP PAC STORAGE TANK #1	INSPECTION: INSPECTION (I), (E) HOLIDAY TEST + CLEANING	\$ 200,000	INTERNAL & HOLIDAY TEST 10 YR; REHAB(BLAS,REPAIR & COAT) 25YR; MIKE'S CONTRACT; THIS CONCRETE, MAY NOT NEED A HOLIDAY TEST. INSPECTION BY MECH TEAM - COULD BE GENERAL MAINT. INSPECT AND CHECK IF THERE IS A COATING. THIS MS WILL NEED TO BE ADJUSTED. MAINT TO HOSE DOWN THE TANK FOR INSPECTION	WPL1063320	93291099	6165	3		2	2					18	9				32
7	2021	AP20101	RWTP PAC STORAGE TANK #2	INSPECTION: INSPECTION (I), (E) HOLIDAY TEST + CLEANING	\$ 200,000	INTERNAL & HOLIDAY TEST 10 YR; REHAB(BLAS,REPAIR & COAT) 25YR; MIKE'S CONTRACT; THIS CONCRETE, MAY NOT NEED A HOLIDAY TEST. INSPECTION BY MECH TEAM - COULD BE GENERAL MAINT. INSPECT AND CHECK IF THERE IS A COATING. THIS MS WILL NEED TO BE ADJUSTED. MAINT TO HOSE DOWN THE TANK FOR INSPECTION	WPL1063321	93291099	6165	3		2	9					18	9				32
8	2021	AP20276	RWTP FLOC POLY TANK #2	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT) ;	\$ 5,000	WAS THIS REPLACED IN FY19?; INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT) ; 5YR; \$5,000	WPL1063336	93291099	6165				9										30
9	2021	AP20274	RWTP FLOC POLY TANK #1	INSPECTION: INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000		WPL1063341	93291099	6165														30
10	2021	AP20270	RWTP NON-IONIC FILTER POLY MIXING TANK # 2	INSPECTION: EXTERNAL INSPECTION (E)	\$ 1,000	EXTERNAL 5YR; INTERNAL 20	WPL1063347	93291099	6165				6										28

PENITENCIA WATER TREATMENT PLANT (FY21)										Estimated Total Hours													
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE
67	2021	AP52259	PWTP SWGR BATTERY & CHARGER	REPLACEMENT - REPLACEMENT, BATTERY	\$ 4,500	REPLACE BATTERY 5 YR, REPLACE CHARGER 20YR	WPL1063414	93231099	6165			1											17
68	2021	AP49107	PWTP OGB; UNIT #1; BALL VALVE (OX-12); OPERATOR	REPLACEMENT	\$ 7,000	PURCHASED AN ASSEMBLY WITH VALVE	WPL1063415	93764004	6626	6		4											17
69	2021	AP49108	PWTP OGB; UNIT #2; BALL VALVE (OX-13); OPERATOR	REPLACEMENT	\$ 7,000	PURCHASED AN ASSEMBLY WITH VALVE	WPL1063416	93764004	6626	6													17
70	2021	AP49109	PWTP OGB; UNIT #3; BALL VALVE (OX-14); OPERATOR	REPLACEMENT	\$ 7,000	PURCHASED AN ASSEMBLY WITH VALVE	WPL1063417	93764004	6626	6													17
71	2021	AP54181	PWTP FILTER #1 FLOWMETER (FIT 302)	REPLACEMENT	\$ 4,050		WPL1063418	93764004	6626	9		18											15
72	2021	AP52261	PWTP SWGR UTILITY COMPARTMENTS	INSPECTION:	\$ 4,444		WPL1063419	93231099	6165														14
73	2021	AP10160	PWTP CLEARWELL BYPASS VAULT AIR RELIEF VALVE	REPLACEMENT	\$ 2,700	18" ARV TO BE REBUILT AND NOT REPLACED; \$8,000	WPL1032093	93764004	6626	10													14
74	2021	AP52050	PWT STAND-BY GEN. DAY TANK; DIESEL (100 GAL)	INSPECTION: EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$ 1,000		WPL1063421	93231099	6165				6										14
75	2021	AP46622	PWTP OGB UNIT #3 POWER SUPPLY CONTROL PANEL PSU(POZPSU03)	INSPECT AND REHAB (PCP & BCP) AS NEEDED	\$ 36,000		WPL1063422	93764004	6626	9		4							36				14
76	2021	AP46622	PWTP OGB UNIT #3 POWER SUPPLY CONTROL PANEL PSU(POZPSU03)	INSPECT AND REHAB (PCP) AS NEEDED	\$ 11,250		WPL1063423	93764004	6626										36				14
77	2021	AP54375	PWTP OCL STORAGE TANK #1 TRANSFER PUMP (M-318)	REPLACE	\$ 27,000	REMOVE REHAB ACTIVITY, THESE SHOULD BE REPLACED. REPLACE 20; REHAB 10YR; MOVED TO FY21	WPL1063424	93764004	6626	18		2											-

PENITENCIA WATER TREATMENT PLANT (FY21)										Estimated Total Hours														
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE	
78	2021	AP54377	PWTP OCL STORAGE TANK #2 TRANSFER PUMP (M-319)	REPLACE	\$ 27,000	REMOVE REHAB ACTIVITY, THESE SHOULD BE REPLACED. REPLACE 20; REHAB 10YR; MOVED TO FY21	WPL1063425	93764004	6626	18		2												-
79	2021	PHANTOM12	PWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATION COST:	\$ 5,000		WPL1063426	93764004	6626			3												-
80	2021	AP49963	PWTP OGB HOT WATER PUMP #1 MOTOR (2HP)	REPLACEMENT	\$ 2,210	DISCUSS WITH M. BOWDEN; INSPECT & REPLACE IF NEEDED	FACILITY WO WPL1063427	93764004	6626						18									-
81	2021	AP49964	PWTP OGB HOT WATER PUMP #2 MOTOR (2HP)	REPLACEMENT	\$ 2,210	DISCUSS WITH M. BOWDEN; INSPECT & REPLACE IF NEEDED	FACILITY WO WPL1063428	93764004	6626						18									-
FY21 PWTP TOTAL:					\$ 767,239		TOTAL PROJECTS	81	LABOR HOURS	387	100	369	125	0	36	42	28	19	478	0	0	0		

RED = AM
 BLUE = MAINT
 PURP = ENGR

RINCONADA WATER TREATMENT PLANT (FY21)										Estimated Total Hours														
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	BRE	
11	2021	AP52324	RWTP UL MAIN SERVICE ENTRANCE SWGR (MSG)	INSPECTION:	\$ 4,444		WPL1063337	93291099	6165														21	
12	2021	AP43018	RWTP FLOC POLY PUMP # 1 MOTOR VFD	REPLACEMENT	\$ 3,000	MOVE TO 2021	WPL1063345	93764004	6626											6				14
13	2021	AP43054	RWTP FLOC POLY PUMP # 2 MOTOR VFD	REPLACEMENT	\$ 3,000	MOVE TO 2021	WPL1063346	93764004	6626	8										6				14
14	2021	AP52073	RWTP UPS 50 KVA (UPS-1A TREATED WATER PROCESS)	INSEPCION AND REHABILITATION OF COMPONENTS	\$ 20,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT	WPL1063323	93291099	6165			18	9							8				
15	2021	AP52074	RWTP UPS 50 KVA (UPS-2A RAW WATER/SCADA)	INSEPCION AND REHABILITATION OF COMPONENTS	\$ 20,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT	WPL1063324	93291099	6165			18	9							8				
16	2021	AP52075	RWTP UPS 50 KVA (UPS-1B TREATED WATER PROCESS; BACKUP)	INSEPCION AND REHABILITATION OF COMPONENTS	\$ 20,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT	WPL1063325	93291099	6165				6							8				
17	2021	AP52076	RWTP UPS 50 KVA (UPS-2B RAW WATER/SCADA; BACKUP)	INSEPCION AND REHABILITATION OF COMPONENTS	\$ 20,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT	WPL1063326	93291099	6165				6							8				
18	2021	AP52079	RWTP LG UPS SYS (DP-UPS-2) (FEEDS UPS-1A; UPS-2B)	INSEPCION AND REHABILITATION OF COMPONENTS	\$ 20,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT	WPL1063327	93291099	6165				3							8				
19	2021	AP52080	RWTP LG UPS SYS (DP-UPS-2) (FEEDS UPS-1A; UPS-2B)	INSEPCION AND REHABILITATION OF COMPONENTS	\$ 20,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT MIKE AND ERIC TO VERIFY THIS EXISTS	WPL1063328	93291099	6165				3							8				
20	2021	AP50766	RWT PHORPHORIC ACID SUMP TANK (60 GALS)	INSPECTION - INCLUDES CLEANING, AND REPAIR AS NEEDED	\$ 10,000	COLLECT A PHOTO	WPL1063332	93291099	6165				9											
21	2021	AP60015	RWTP TRANSFORMER KVA 30 (T-51A)	INSPECTION:	\$ 4,444		WPL1063338	93291099	6165															
22	2021	AP54535	RWTP MAPS TRANSFORMER 30 KVA	INSPECTION:	\$ 4,444		WPL1063339	93291099	6165															
23	2021	AP20489	RWTP TRAILER #5- LAB EYE WASH	REPLACEMENT	\$ 3,750	INSPECT = EVERY 5 YEARS, REPLACE EVERY 20 YEARS IF NEEDED	WPL1063342	93764004	6626				9											
24	2021	AP20508	RWTP - ROOM 211 EYE WASH	REPLACEMENT	\$ 3,750	INSPECT = EVERY 5 YEARS, REPLACE EVERY 20 YEARS IF NEEDED	WPL1063343	93764004	6626				9											

RED = AM
 BLUE = MAINT
 PURP = ENGR

RINCONADA WATER TREATMENT PLANT (FY21) RED = AM
 BLUE = MAINT
 PURP = ENGR

ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours											BRE			
										MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)		WATER RESOURCES PLANNING (412)	LABORATORY (535)	
25	2021	AP50777	RWT-OPS BLDG-PLANT AIR-REGRIG AIR DRYER	REPLACEMENT	\$ 3,750	MAINTENANCE TO VERIFY IF A SPARE IS IN WAREHOUSE	WPL1063344	93764004	6626				14											
26	2021	AP20430	RWTP ALUM/FC/CATIONIC POLYMER LOCAL CONTROL PANEL LCP-11	INSPECT AND REHAB (PLC) AS NEEDED	\$ 36,000		Work completed in RIP Project	93764004	6626				9						60	80				42
27	2021	AP20430	RWTP ALUM/FC/CATIONIC POLYMER LOCAL CONTROL PANEL LCP-11	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500.	\$ 11,250		Work completed in RIP Project																	42
28	2021	AP20935	RWTP CAT POLY TANK CONTROL PANEL (RCPTCP)	INSPECT AND REHAB (PLC) AS NEEDED	\$ 36,000		Work completed in RIP Project	93764004	6626				9						60	80				38
29	2021	AP20778	RWTP FLOC POLY PUMP # 1 MOTOR	REPLACEMENT	\$ 1,275		Work completed in RIP Project	93764004	6626											6				28
30	2021	AP20779	RWTP FLOC POLY PUMP # 2 MOTOR	REPLACEMENT	\$ 1,275		Work completed in RIP Project	93764004	6626											6				28
31	2021	AP20278	RWTP FLOC POLY PUMP #1	REPLACEMENT	\$ 6,750		Work completed in RIP Project	93764004	6626	8														24
FY21 RWTP TOTAL:					\$ 708,382.00		TOTAL PROJECTS	29	LABOR HOURS	134	0	40	148	0	12	0	36	178	232	8	0	0		

SANTA TERESA WATER TREATMENT PLANT (FY21)

RED = AM
 BLUE = MAINT
 PURP = ENGR

SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours														
											MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)		
STWTP CARBON SYSTEM	#REF!	2021	AP30104	STWTP ACTIVATED CARBON TANK - NORTH	INSPECTION - DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC; INSPECTION (I), (E) HOLIDAY TEST + CLEANING	\$ 200,000	REPLACE 50 YR, REPLACE MEDIA 10 YR, INSPECT 10 YR, REHAB AND COAT 25YR; ADD TO MIKE SPITERI'S LIST	WPL1063968	93281099	6165	24							18							
STWTP CARBON SYSTEM	2	2021	AP30109	STWTP ACTIVATED CARBON TANK - SOUTH	INSPECTION - DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC; INSPECTION (I), (E) HOLIDAY TEST + CLEANING	\$ 200,000	REPLACE 50 YR, REPLACE MEDIA 10 YR, INSPECT 10 YR, REHAB AND COAT 25YR; ADD TO MIKE SPITERI'S LIST	WPL1063969	93281099	6165	24							18							
STWTP WASH WATER RECOVERY SYSTEM	3	2021	AP30441	STWTP WASHWATER RECOVERY PUMP #1 P-15	REPLACEMENT	\$ 70,000	DEPENDS ON CONDITION ASSESSMENT; WILL REQUIRE ENGINEERING SUPPORT; FOR DISCUSSION WITH MANAGEMENT AND ENGINEERING	WPL1063433	93764004	6626	18			5	6										
STWTP WASH WATER RECOVERY SYSTEM	4	2021	AP30443	STWTP WASHWATER RECOVERY PUMP #2 P-16	REPLACEMENT	\$ 70,000	DEPENDS ON VIBRATION CONDITION ASSESSMENT	WPL1063434	93764004	6626	18			5	6										
STWTP WASH WATER RECOVERY SYSTEM	5	2021	AP30445	STWTP WASHWATER RECOVERY PUMP #3 P-17	REPLACEMENT	\$ 70,000	DEPENDS ON VIBRATION CONDITION ASSESSMENT	WPL1063435	93764004	6626	18			5	6										
STWTP WASH WATER CLARIFICATION SYSTEM	6	2021	AP42871	STWTP WWC RETURN PUMP #3 (SCWWP-03)	REPLACEMENT	\$ 39,000	DEPENDS ON CONDITION ASSESSMENT; REPLACE 30 YRS, REHAB 15 YEARS	WPL1063972	93764004	6626															
STWTP WASH WATER CLARIFICATION SYSTEM	7	2021	AP42872	STWTP WWC RETURN PUMP #4 (SCWWP-04)	REPLACEMENT	\$ 39,000	DEPENDS ON CONDITION ASSESSMENT; REPLACE 30 YRS, REHAB 15 YEARS	WPL1063973	93764004	6626															
STWTP AMMONIA SYSTEM	8	2021	AP42874	STWTP AQUA NH4 WATER SOFTENER	REPLACEMENT	\$ 18,750		WPL1063983	93764004	6626	6														
STWTP CLEARWELL SYSTEM	9	2021	AP42738	STWTP CLEARWELL	INSPECTION	\$ 15,000	REPLACE 50YR; INSPECTION 5 YR; COAT IF INSPECTION WARRANTS 20YR; CONTRACT WORK OUT	WPL1063437	93281099	6165															
STWTP OZONE GENERATION SYSTEM	10	2021	AP42792	STWTP WOZ UNDERDRAIN PUMP (SUDP-02)	REPLACEMENT	\$ 12,375		WPL1063967	93764004	6626															
STWTP OZONE GENERATION SYSTEM	11	2021	AP42791	STWTP EOZ UNDERDRAIN PUMP (SUDP-01)	REPLACEMENT	\$ 12,375		WPL1063436	93764004	6626															
STWTP SUMP PUMP SYSTEM	12	2021	AP42859	STWTP OZQ CHEMICAL RESISTANT SUMP PUMP (SOQAP06)	REPLACEMENT	12375	changed frequency to 10 years from 25, 5/4/16, JAM	WPL1064007	93764004	6626	8														
STWTP BACK WASH SYSTEM	13	2021	AP30072	STWTP EAST FILTER #2 BACKWASH VALVE ACTUATOR (V-F-42)	REPLACEMENT	\$ 10,050		WPL1063961	93764004	6626	24	6	6	3											
STWTP CLEARWELL SYSTEM	14	2021	AP30124	STWTP CLEARWELL DRAIN VALVE ACTUATOR	REPLACEMENT	\$ 10,050	THIS MAY NEED TO BE REMOVED. NEED TO ASK JOE OR FLOYD	WPL1063992	93764004	6626	24	6	6	3											
STWTP BACK WASH SYSTEM	15	2021	AP30070	STWTP EAST FILTER #1 BACKWASH VALVE ACTUATOR (V-F-41)	REPLACEMENT	\$ 10,050		WPL1063959	93764004	6626	24	6	6	3											
STWTP BACK WASH SYSTEM	16	2021	AP30076	STWTP EAST FILTER #4 BACKWASH VALVE ACTUATOR V-F-44)	REPLACEMENT	\$ 10,050		WPL1063962	93764004	6626	24	6	6	3											

SANTA TERESA WATER TREATMENT PLANT (FY21)

RED = AM
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SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours													
											MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
STWTP BACK WASH SYSTEM	17	2021	AP30078	STWTP EAST FILTER #5 BACKWASH VALVE ACTUATOR (V-F-45)	REPLACEMENT	\$ 10,050	#3 AND #6 ARE SCHEDULED IN FY38	WPL1063963	93764004	6626	24	6	6	3										
STWTP CLEARWELL SYSTEM	18	2021	AP30125	STWTP CLEARWELL OUTLET VALVE ACTUATOR	REPLACEMENT	\$ 10,050		WPL1063993	93764004	6626	36													
STWTP GRAYSTONE PUMP STATION	19	2021	AP30434	STWTP-GRAYSTONE PUMP MAINLINE VALVE BYPASS ACTUATOR (MOV-V-G-7)	REPLACEMENT	\$ 10,050		WPL1064001	93764004	6626	32													
STWTP FLOCCULATOR/SEDIMENTATION SYSTEM	20	2021	AP30670	STWTP F&S EAST PUMP MIXER VAULT - GAS MASTER DIFFUSER	REHABILITATION - SEALS; ETC.	\$ 10,000	REPLACE 20YR; REHAB seals; etc. 5yr	WPL1063431	93764004	6626	18			6										
STWTP WASH WATER CLARIFICATION SYSTEM	21	2021	AP67243	STWTP WWC LONGITUDINAL COLLECTOR CHAIN & FLIGHTS SWWCSL01	REHABILITATION: REHAB DRIVVE (GEARBOX) FOR CROSS COLLECTOR	\$ 8,250		WPL1063991	93764004	6626	20		3						10					
STWTP WASH WATER CLARIFICATION SYSTEM	22	2021	AP45173	STWTP WWC RETURN PUMP #3; MOTOR	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 7,600	DEPENDS ON CONDITION ASSESSMENT	WPL1063974	93764004	6626	18													
STWTP WASH WATER CLARIFICATION SYSTEM	23	2021	AP45174	STWTP WWC RETURN PUMP #4; MOTOR	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 7,600	DEPENDS ON CONDITION ASSESSMENT	WPL1063975	93764004	6626	18													
STWTP MAIN ELECTRICAL SYSTEM	24	2021	AP30197	ELECTRICAL SHOP HOIST	REPLACE CABLE 001 (INSPECT FIRST AND DEVELOP MAINTENANCE STRATEGY PER INSPECTION)	\$ 7,579	DEVELOP MAINTENANCE STRATEGY PER INSPECTION	WPL1064002	93281099	6165	36													
STWTP SLUDGE (UNDERFLOW) SYSTEM	25	2021	AP68436	STWTP SLUDGE DECANT RETURN PUMP #2 P-23 MOTOR	REPLACEMENT:	\$ 7,000		WPL1063430	93764004	6626	8			3										
STWTP OZONE GENERATION SYSTEM	26	2021	AP67211	STWTP EOZ OFF GAS BLOWER (SOZGB02)	REHABILITATION - FAN SHAFT AND BEARINGS (DEPENDING ON VIBRATION INSPECTION)	\$ 6,000	REPLACE 15 YR; REHAB 5YR; REPLACED IN 2016 (NOT SURE OF YEAR),	WPL1063970	93764004	6626	40		8	3										
STWTP OZONE DESTRUCT SYSTEM	27	2021	AP54427	STWTP WOZ OFF GAS BLOWER # 3 (SOZGB03)	REHABILITATION - FAN SHAFT AND BEARINGS (DEPENDING ON VIBRATION INSPECTION)	\$ 6,000	REPLACED IN 2016 (NOT SURE OF YEAR), WITH FAN BLOWERS. THEY NO LONGER HAVE GEARS; FIND OUT WHAT THE BRAND IS AND UPDATE THE STARTEGY BASED ON THE O&M MANUEL	WPL1063988	93764004	6626	40		8	3										
STWTP OZONE DESTRUCT SYSTEM	28	2021	AP54428	STWTP WOZ OFF GAS BLOWER # 4 (SOZGB04)	REHABILITATION - FAN SHAFT AND BEARINGS (DEPENDING ON VIBRATION INSPECTION)	\$ 6,000	REPLACE 15 YR; REHAB 5YR; REPLACED IN 2016 (NOT SURE OF YEAR), WITH FAN BLOWERS. THEY NO LONGER HAVE GEARS	WPL1063989	93764004	6626	40		8	3										
STWTP OZONE GENERATION SYSTEM	29	2021	AP67210	STWTP EOZ OFF GAS BLOWER (SOZGB01)	REHABILITATION: SEALS; ROTOR; GEARS	\$ 6,000		WPL1063990	93764004	6626	SMALL CAPS		8	3										
STWTP OZONE GENERATION SYSTEM	30	2021	AP67210	STWTP EOZ OFF GAS BLOWER (SOZGB01)	REHABILITATION - SEALS; ROTOR; GEARS (DEPENDING ON VIBRATION INSPECTION)	\$ 6,000	REPLACED IN 2016 (NOT SURE OF YEAR), WITH FAN BLOWERS. THEY NO LONGER HAVE GEARS; FIND OUT WHAT THE BRAND IS AND UPDATE THE STARTEGY BASED ON THE O&M MANUEL	WPL1064003	93764004	6626	40		8	3										

SANTA TERESA WATER TREATMENT PLANT (FY21)

RED = AM
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SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours													
											MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
STWTP SUMP PUMP SYSTEM	31	2021	AP68775	STWTP SUMP PUMP WEST FILTER GALLERY P-35	REPLACEMENT	6000		WPL1064008	93764004	6626	8				3									
STWTP SUMP PUMP SYSTEM	32	2021	AP68776	STWTP SUMP PUMP WEST FILTER GALLERY P-36	REPLACEMENT	6000		WPL1064009	93764004	6626	8				3									
STWTP ALUM/FERRIC SYSTEM	33	2021	AP30001	STWTP ALUM TANK #1 - SUPPLY VALVE MOV	REPLACEMENT	\$ 5,600	REMOVED FROM FY20 PER FLOYD. MOVED TO FY21	WPL1063954	93764004	6626	6			2	2									
STWTP ALUM/FERRIC SYSTEM	34	2021	AP30007	STWTP ALUM TANK #3 - SUPPLY VALVE MOV	REPLACEMENT	\$ 5,600	WAS THIS COMPLETED IN FY18? NO	WPL1063958	93764004	6626	6			2	2									
STWTP ALUM/FERRIC SYSTEM	35	2021	AP30004	STWTP ALUM TANK #2- SUPPLY VALVE MOV	REPLACEMENT	\$ 5,600		WPL1063956	93764004	6626	6			2	2									
STWTP PHANTOMS	36	2021	PHANTOM13	STWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATION COST:	\$ 5,000		WPL1063997	93281099	6165			4											
STWTP PHANTOMS	37	2021	PHANTOM2	STWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATION COST	\$ 5,000		WPL1063998	93281099	6165			4											
STWTP OZONE GENERATION SYSTEM	38	2021	AP45113	WEST OZ GAS FLOW METER	REPLACE FLOW METER 001	\$ 5,000		WPL1064004	93764004	6626					2									
STWTP OZONE GENERATION SYSTEM	39	2021	AP45122	EAST OZ GAS FLOW METER	REPLACE FLOW METER 001	\$ 5,000		WPL1064005	93764004	6626					2									
STWTP WASH WATER RECOVERY SYSTEM	40	2021	AP30442	STWTP WASHWATER RECOVERY PUMP MOTOR #1 P-15	REPLACEMENT	\$ 4,480	DEPENDS ON VIBRATION CONDITION ASSESSMENT	WPL1063438	93764004	6626	18			5	6									
STWTP WASH WATER RECOVERY SYSTEM	41	2021	AP30444	STWTP WASHWATER RECOVERY PUMP MOTOR #2 P-16	REPLACEMENT	\$ 4,480	DEPENDS ON VIBRATION CONDITION ASSESSMENT	WPL1063439	93764004	6626	18			5	6									
STWTP WASH WATER RECOVERY SYSTEM	42	2021	AP30446	STWTP WASHWATER RECOVERY PUMP MOTOR #3 P-17	REPLACEMENT	\$ 4,480	DEPENDS ON VIBRATION CONDITION ASSESSMENT	WPL1063440	93764004	6626	18			5	6									
STWTP MAIN ELECTRICAL SYSTEM	43	2021	AP45082	STWTP MAIN SWITCHBOARD B - OZONE GEN ELEC ROOM	INSPECTION:	\$ 4,444		WPL1063982	93281099	6165			2											
STWTP MAIN ELECTRICAL SYSTEM	44	2021	AP45081	STWTP MAIN SWITCHBOARD A - OZONE GEN ELEC ROOM	INSPECTION:	\$ 4,444		WPL1063995	93281099	6165			2											
STWTP FLOC POLY SYSTEM	45	2021	AP30667	STWTP POLY FLOC MAG METER	REPLACEMENT	\$ 4,375		WPL1063981	93764004	6626	18													
STWTP LIQUID OXYGEN SYSTEM	46	2021	AP45000	STWTP LIQUID OXYGEN TANK #1	COAT	\$ 4,125	SEPARATE FROM WU TANK CONTRACT; FOR LOX CONTRACT SEE, KERRY LAPALLO. (ANNUAL INSPECTION); INSPECTION LETTERS SHOULD BE MORE DETAILED AND REFERENCE THE INDUSTRY STANDARD USED; PROBABLY DOES NOT NEED TO BE COATED - DEPENDS ON INSPECTION	WPL1063943	93281099	6165	12													
STWTP LIQUID OXYGEN SYSTEM	47	2021	AP45001	STWTP LIQUID OXYGEN TANK #2	COAT	\$ 4,125	SEPARATE FROM WU TANK CONTRACT; FOR LOX CONTRACT SEE, KERRY LAPALLO. (ANNUAL INSPECTION); INSPECTION LETTERS SHOULD BE MORE DETAILED AND REFERENCE THE INDUSTRY STANDARD USED; PROBABLY DOES NOT NEED TO BE COATED - DEPENDS ON INSPECTION	WPL1063944	93281099	6165	12													
STWTP ALUM/FERRIC SYSTEM	48	2021	AP30000	STWTP ALUM STORAGE TANK #1	INSPECTION (E) & MINOR REPAIRS	\$ 4,000	REPLACE 40; INSPECTION (E) 5 YR; INTERNAL 20YR; COAT 20 YR	WPL1063950	93281099	6165	18				9									
STWTP ALUM/FERRIC SYSTEM	49	2021	AP30006	STWTP ALUM STORAGE TANK #3	INSPECTION: INSPECTION (E)	\$ 4,000		WPL1063951	93281099	6165					4									

SANTA TERESA WATER TREATMENT PLANT (FY21)

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SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours												
											MAINT TECH (555) HRS	CONT TECH (555) HRS	ELECT TECH (555) HRS	PLANNER (555)	PIPELINE MAINT (585)	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
STWTP BACKUP GENERATOR SYSTEM	68	2021	AP52048	STWTP EMERGENCY GENERATOR DIESEL FUEL TANK 3,000 GAL BURIED	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$ 1,000	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION (1 YR); SECONDARY CONTAINMENT LEAK TESTING (VALVES & PIPING) (3YR); REPLACEMENT 40YR	WPL1064000	93281099	6165								10					
FY21 STWTP TOTAL:						\$ 1,047,287.00		TOTAL PROJECTS	68	LABOR HOURS	862	42	179	169	0	0	18	56	130	0	0	0	0

SILICON VALLEY ADVANCED WATER PURIFICATION CENTER (FY21)

RED = AM
 BLUE = MAINT
 PURP = ENGR

ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours												
										MAINT TECH (565) HRS	CONT TECH (565) HRS	ELECT TECH (565) HRS	PLANNER (565)	MAINT TECH (585) HRS	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
1	2021	18511 (location)	MF: INSPECT MF RACK AND REPLACE MEMBRANES IF NEEDED		\$ 313,600	THE WORKORDER STRATEGY IS FOR A RACK AND THE COST IS ASSUMING ALL MEMBRANES ARE REPLACED, EVEN THOUGH THIS IS NOT USUALLY THE CASE SINCE THESE ARE INSPECTED YEARLY. WE NEED TO HAVE AN INSTALLATION DATE IN MAXIMO SO THAT WE BEGIN ON THE CORRECT INTERVAL.	WPL1063279	91281008	6626										18			
2	2021	PHANTOM4	SVA ELECTRICAL TESTING	CONTRACT COST	\$ 40,000		WPL1063280	91281008	6165										40			
3	2021	LP18644	MF SYSTEM PERFORMANCE REVIEW	ANNUAL MF SYSTEM PERFORMANCE REVIEW	\$15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR RACKS #1-#8	WPL1063281	91281008	6165									9				
4	2021	LP18523	UV SYSTEM PERFORMANCE REVIEW	ANNUAL UV SYSTEM PERFORMANCE REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR REACTORS #1-#12	WPL1063282	91281008	6165									9				
5	2021	LP18767A	SVA UV SYSTEM TRAIN 1	AP72500, AP72501; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL	WPL1063283	91281008	6165													
6	2021	LP18767B	SVA UV SYSTEM TRAIN 2	AP72502, AP72503; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL	WPL1063285	91281008	6165													
7	2021	LP18767C	SVA UV SYSTEM TRAIN 3	AP72504, AP72505; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL	WPL1063286	91281008	6165													
8	2021	LP18767D	SVA UV SYSTEM TRAIN 4	AP72506, AP72507; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL	WPL1063287	91281008	6165													

SILICON VALLEY ADVANCED WATER PURIFICATION CENTER (FY21)

RED = AM
 BLUE = MAINT
 PURP = ENGR

ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours												
										MAINT TECH (565) HRS	CONT TECH (565) HRS	ELECT TECH (565) HRS	PLANNER (565)	MAINT TECH (585) HRS	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
9	2021	LP18767F	SVA UV SYSTEM TRAIN 5	AP72508, AP72509; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL	WPL1063288	91281008	6165													
10	2021	LP18767G	SVA UV SYSTEM TRAIN 6	AP72510, AP72511; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL	WPL1063289	91281008	6165													
11	2021	LP18513	RO SYSTEM PERFORMANCE REVIEW	ANNUAL RO SYSTEM PERFORMANCE REVIEW	\$ 10,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.	WPL1063290	91281008	6165									9				
12	2021	No number	SVA RO transfer pump VFD upgrade	Replacing an existing asset with an upgraded asset (VFD)	\$ 10,000	DISCUSS WITH EE	WPL1063291	91281008				24						24	24			
13	2021	AP52785	SVA RO TRANSFER PUMP #4; MOTOR (MTR-2104)	CONDUCT ELETRICAL TEST TO DETERMINE IF REHABILITATION IS NEEDED. VIBRATION TEST DOES NOT SHOW A FAULT AS OF APRIL 2020.	\$ 7,600		WPL1063292	91281008	6626			8										
14	2021	AP70114	SVA MF FILTRATE RESIDUAL AMMONIA (AIT-1304)	REPLACEMENT	\$5,400		WPL1063293	91281008	6626	3												
15	2021	AP70116	SVA MF FILTRATE RESIDUAL CHLORINE (AIT-1303)	REPLACEMENT	\$5,400		WPL1063294	91281008	6626	3												
16	2021	AP72520	SVA PRODUCT WATER STORAGE VALVE DISCHARGE CHLORINE (AIT-4011)	REPLACEMENT	\$ 5,400		WPL1063295	91281008	6626	3												
17	2021	AP72526	SVA PRODUCT WATER BLEND RESIDUAL CHLORINE (AIT-4202)	REPLACEMENT	\$ 5,400		WPL1063296	91281008	6626	3												

SILICON VALLEY ADVANCED WATER PURIFICATION CENTER (FY21)

RED = AM
 BLUE = MAINT
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ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours												
										MAINT TECH (565) HRS	CONT TECH (565) HRS	ELECT TECH (565) HRS	PLANNER (565)	MAINT TECH (585) HRS	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
18	2021	AP52378	SVA AQUA AMMONIA TANK #1 (TNK-8201) 3400 GALS	Inspection: INSPECTION (E)(UT) (LT)	\$ 5,000	FY19,21,23, THE MANAGEMENT STRATEGY IN AMPT IS NOT CORRRRECT	WPL1063297	91281008	6165	2												
19	2021	AP53082	TRANSFORMER	ELECTRICAL TESTING	\$ 4,448	EE UNIT	WPL1063298	91281008	6165										2			
20	2021	AP73453	BATTERY CHARGER	ELECTRICAL TESTING	\$ 4,444		WPL1063299	91281008	6165										4			
21	2021	AP52602	TRANSFORMER	ELECTRICAL TESTING	\$ 4,444	EE UNIT (WILL CONFIRM)	WPL1063300	91281008	6165										2			
22	2021	AP53082	SVA TRANSFORMER	Inspection:	\$ 4,444	ELECTRICAL UNIT DOES NOT CHARGE TO AMWP WO	WPL1063301	91281008	6165													
23	2021	AP73300	TRANSFORMER	ELECTRICAL TESTING	\$ 4,444	EE UNIT	WPL1063302	91281008	6165										2			
24	2021	AP73432	TRANSFORMER	ELECTRICAL TESTING	\$ 4,444	EE UNIT	WPL1063303	91281008	6165										2			
25	2021	AP73441	21 KV SWITCHGEAR 9801 (SWGR-9801)	ELECTRICAL TESTING	\$ 4,444		WPL1063304	91281008	6165										16			
26	2021	AP73442	21 KV SWITCHGEAR 9802 (SWGR-9802)	ELECTRICAL TESTING	\$ 4,444		WPL1063305	91281008	6165										16			
27	2021	AP73443	480 V SWITCHGEAR 9803 (SWGR-9803)	ELECTRICAL TESTING	\$ 4,444		WPL1063306	91281008	6165										8			

SILICON VALLEY ADVANCED WATER PURIFICATION CENTER (FY21)										Estimated Total Hours													
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (565) HRS	CONT TECH (565) HRS	ELECT TECH (565) HRS	PLANNER (565)	MAINT TECH (585) HRS	WATERSHED FIELD OPS (253)	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
28	2021	AP73444	480 V SWITCHGEAR 9804 (SWGR-9804)	ELECTRICAL TESTING	\$ 4,444		WPL1063307	91281008	6165										8				
29	2021	AP52539	SVA SODIUM HYDROXIDE TANK #1 (TNK-8001) 9100 GALS	EXTERNAL INSPECTION	\$ 3,000	INITIAL 2 YEARS (FY19 & FY21), AND 5 YEAR INTERVAL ALSO (FY24)	WPL1063308	91281008	6165	2													
30	2021	AP67149	SVA AQUA AMMONIA SCRUBBER TANK, 30 GAL, STEEL	INSPECTION	\$ 2,500	DONE WITH INTERNAL INSPECTION (SMALL TANK MAY NOT BE NEEDED)	WPL1063309	91281008	6165	2													
31	2021	AP52782	SVA RO TRANSFER PUMP #1; MOTOR (MTR-2101)	CONDUCT ELETRICAL TEST TO DETERMINE IF REHABILITATION IS NEEDED. VIBRATION TEST DOES NOT SHOW A FAULT AS OF APRIL 2020.	\$ 1,000		WPL1063310	91281008	6626			8							40				
32	2021	AP52783	SVA RO TRANSFER PUMP #2 MOTOR (MTR-2102)	CONDUCT ELETRICAL TEST TO DETERMINE IF REHABILITATION IS NEEDED. VIBRATION TEST DOES NOT SHOW A FAULT AS OF APRIL 2020.	\$ 1,000		WPL1063311	91281008	6626			8											
33	2021	AP52784	SVA RO TRANSFER PUMP #3; MOTOR (MTR-2103)	CONDUCT ELETRICAL TEST TO DETERMINE IF REHABILITATION IS NEEDED. VIBRATION TEST DOES NOT SHOW A FAULT AS OF APRIL 2020.	\$ 1,000		WPL1063312	91281008	6626			8											
34	2021	AP67173	SVA POTABLE WATER PMP-9402, PRV (VLV-9414)	REPLACEMENT	\$200	COST NEEDS TO BE UPDATED, IF REPLACED	WPL1063313	91281008	6626									24					
35	2021	AP67174	SVA POTABLE WATER PMP-9403, PRV (VLV-9413)	REPLACEMENT	\$ 200	COST NEEDS TO BE UPDATED, IF REPLACED	WPL1063429	91281008	6626									24					
FY21 SVAWPC TOTAL:					\$ 556,544		TOTAL PROJECTS	35	LABOR HOURS	18	0	56	0	0	0	0	0	99	182	0	0	0	

VALLEY WATER CAMPUS (FY21)																								
<div style="text-align: center;"> RED = AM BLUE = MAINT PURP = ENGR </div>																								
FACILITY	SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINTENANCE UNIT (555)	WATERSHED FIELD OPS (253)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MT (887)	HVAC (887)	CRPTR (887)	ADMIN (887)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
ADMIN	PRESSURIZED AIR SYSTEM	1	2021	16582	PRESSURE VESSEL (175 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR: A001695-10; LOCATION: ADMIN ROOF	FACILITY 202100731									3			2			
ADMIN	PRESSURIZED AIR SYSTEM	1	2021	15302	PRESSURE VESSEL (200 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR: A001694-10; LOCATION: SHOP/FLEET	FACILITY 202100732									3			2			
ADMIN	PRESSURIZED AIR SYSTEM	1	2021	15303	PRESSURE VESSEL (200 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR: A028356-93; LOCATION: SHOP/BACK-UP	FACILITY 202100733									3			2			
ALMADEN	FUEL SYSTEM	#REF!	2021	15295	FUEL ISLAND DIESEL TANK #1; 12,000 GAL; #2 DIESEL OIL - UNDERGROUND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT	PAUL & MIKE S. 202100720					10										
ALMADEN	FUEL SYSTEM	6	2021	15296	FUEL ISLAND DIESEL TANK #2; 12,000 GAL; #2 DIESEL OIL - UNDERGROUND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT	PAUL & MIKE S. 202100721					10										
ALMADEN	FUEL SYSTEM	8	2021	15297	FUEL ISLAND UNLEADED TANK #1; 10,000 GAL - UNDERGROUND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT	PAUL & MIKE S. 202100722					10										
WIN	PRESSURIZED AIR SYSTEM	7	2021	15992	WIN - PRESSURE VESSEL (200 PSI) - WAREHOUSE	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY21; A001902-16	FACILITY 202100723												2			
FY21 VALLEY WATER CAMPUS TOTAL:							\$ 5,000			TOTAL PROJECTS	0	LABOR HOURS	0	0	30	0	0	0	9	0	0	8	0	0

RAW WATER TRANSMISSION AND DISTRIBUTION PIPELINES (FY21)											Estimated Total Hours													
SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
CPL - GUADALUPE LV TO VASONA PUMP STATION	1	2021	AR41535	CPL CENTRAL PIPELINE - GUADALUPE LV TO VASONA STA 270+77.50 - STA 665.59 (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS & AFO INSTALLATION AS NEEDED	\$ 5,220,000		RWM1011951	95084002	6229					6000									
CPL - GUADALUPE LV TO VASONA PUMP STATION	2	2021	AR41535	CPL CENTRAL PIPELINE - GUADALUPE LV TO VASONA STA 270+77.50 - STA 665.59 (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$ 1,240,000		RWM1011953	95084002	6165					6000									
CPL - GUADALUPE LV TO VASONA PUMP STATION	3	2021	AR46572	CPL VALVE- VAULT (902) 54" ELECTRIC BFV	REPLACEMENT: REPLACE OR REBUILD	\$ 88,000		RWM1011958	92764009	6626														
CPL - GUADALUPE LV TO VASONA PUMP STATION	4	2021	AR67517	CPL VAULT - KIRK DITCH TURNOUT 14" CONE VALVE - STA. 656+58.5		\$ 75,000	CAPITAL WILL SUPPORT THIS PROJECT: REQUIRES LIMITED SUPPORT FROM UME. WILL BE DONE IN-HOUSE	RWM1011959	92764009	6626														
CPL - GUADALUPE LV TO VASONA PUMP STATION	5	2021	AR41585	CPL VALVE - VAULT (903) 48" MOTOR OPERATED BFV	REPLACEMENT:	\$ 73,200		RWM1011960	92764009	6626														
CPL - GUADALUPE LV TO VASONA PUMP STATION	6	2021	AR40118	CPL VALVE - PAGE TURNOUT VALVE - CPL VAULT - PAGE TURNOUT - STA. 646+00	REPLACE TURNOUT VALVE FOR PAGE DITCH TURNOUT: 24" BFV ISOLATION VALVE - SEPARATE VAULT FROM AR41575	\$ 60,000	CAPITAL WILL SUPPORT THIS PROJECT: 24" BFV ISOLATION VALVE - SEPARATE VAULT FROM AR41575;	RWM1011961	92764009	6626					27			80				27		
CPL - GUADALUPE LV TO VASONA PUMP STATION	7	2021	AR41577	CPL VAULT - RAISED CONCRETE VAULT - STA. 656+58.50 - KIRK DITCH TURNOUT : (CONE VALVE, OPERATOR, FLOWMETER, ROOF MAINTENANCE)	REHABILITATION OF APPURTENANCES	\$ 60,000	CAPITAL WILL SUPPORT THIS PROJECT: ASSET IN VAULT: AR67516 AR67517; AR40999 FLOWMETER	RWM1011962	92764009	6626					100									
CPL - GUADALUPE LV TO VASONA PUMP STATION	8	2021	AR67845	CPL VAULT - VAULT 907 12 INCH PRV	REPLACEMENT:	\$ 28,000		RWM1011966	92764009	6626														
CPL - GUADALUPE LV TO VASONA PUMP STATION	9	2021	AR41586	CPL OPERATOR - VALVE 903 48" MOTOR OPERATED BFV OPERATOR	REPLACEMENT:	\$ 18,000		RWM1011970	92764009	6626														
CPL - GUADALUPE LV TO VASONA PUMP STATION	10	2021	AR41575	CPL VAULT - PAGE TURNOUT - STA. 646+00	REHABILITATION (REROUTING OF ANY WIRING & ROOF MAINTENANCE), (18" POLYJET PRV), (FLOWMETER)	\$ 15,000	CAPITAL WILL SUPPORT THIS PROJECT: ASSETS IN VAULT: AR40236 (FM)	RWM1011973	92764009	6626					100									
CPL - GUADALUPE LV TO VASONA PUMP STATION	11	2021	AR45215	CPL - FCV906 FROM AVP_FLOWMETER, STA. 666+47	REPLACEMENT:	\$ 12,000		RWM1011974	92764009	6626														
CPL - GUADALUPE LV TO VASONA PUMP STATION	12	2021	AR41566	CPL VALVE - BLOWOFF - STA. 552+13.89	REPLACEMENT:	\$ 11,375		RWM1011975	92764009	6626														
CPL - GUADALUPE LV TO VASONA PUMP STATION	13	2021	AR20814	CPL OPERATOR - LOWER LOS GATOS CREEK TURNOUT VALVE OPERATOR	REPLACEMENT:	\$ 10,050		RWM1011976	92764009	6626														

RAW WATER TRANSMISSION AND DISTRIBUTION PIPELINES (FY21)											Estimated Total Hours													
SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
CPL - GUADALUPE LV TO VASONA PUMP STATION	14	2021	AR67516	CPL VAULT - KIRK DITCH TURNOUT VALVE OPERATOR- STA. 656+58.5	REPLACE 24" VALVE OPERATOR FOR KIRK DITCH TURNOUT	\$ 10,000	REPLACE THE 14" CONE VALVE. THE CURRENT CONDITION IS CRITICAL.	RWM1011981	92764009	6626					27			80				27		
CPL - GUADALUPE LV TO VASONA PUMP STATION	15	2021	AR20813	CPL VALVE- LOWER LOS GATOS CREEK TURNOUT VALVE	REPLACEMENT	\$ 5,600		RWM1011982	92764009	6626														
CPL - GUADALUPE LV TO VASONA PUMP STATION	16	2021	AR67522	CPL VALVE - PAGE TURNOUT GUARD VALVE - STA. 646+00	REPLACE GUARD VALVE FOR PAGE DITCH TURNOUT	\$ 5,000		RWM1011985	92764009	6626					27			80				27		
CPL - GUADALUPE LV TO VASONA PUMP STATION	17	2021	AR52053	LOWER LOS GATOS CREEK TO FLOW METER	REPLACEMENT:	\$ 4,750		RWM1011986	92764009	6626														
CPL - PIEDMONT LV TO GUADALUPE LV	18	2021	AR41501	CPL CENTRAL PIPELINE - PIEDMONT YARD TO GUADALUPE T.O. (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS & AFO INSTALLATION AS NEEDED	\$ 3,580,000	REPLACE 100 YR, INSPECT & REHAB 10YRS.	RWM1011952	95084002	6229								300		200	6000	60	40	
CPL - PIEDMONT LV TO GUADALUPE LV	19	2021	AR41501	CPL CENTRAL PIPELINE - PIEDMONT YARD TO GUADALUPE T.O. (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$ 874,000	REPLACE 100 YR, INSPECT & REHAB 10YRS.	RWM1011954	95084002	6165								300		200	6000	60	40	
CPL - PIEDMONT LV TO GUADALUPE LV	20	2021	AR67609	CPL VALVE - BYPASS VALVE TO PWTP - 48" BFV	REPLACEMENT:	\$ 97,000		RWM1011957	92764009	6626														
CPL - PIEDMONT LV TO GUADALUPE LV	21	2021	AR44214	CPL, COYOTE TURNOUT (BLOWOFF), INSTRUMENTATION - RTU	REPLACEMENT: CONTRACTOR	\$ 24,000		RWM1011967	92764009	6626														
CPL - PIEDMONT LV TO GUADALUPE LV	22	2021	AR67610	CPL -ACTUATOR 48IN BYPASS TO PWTP, STA. 0+20.25	REPLACEMENT:	\$ 10,050		RWM1011977	92764009	6626														
CPL - PIEDMONT LV TO GUADALUPE LV	23	2021	AR50600	CPL, COYOTE TURNOUT, BLOWOFF VALVE -12"	REPLACEMENT: UPDATED FREQUENCY FROM 25 TO 20, 4/26/16, JAM	\$ 5,600		RWM1011983	92764009	6626														
CPL - PIEDMONT LV TO GUADALUPE LV	24	2021	AR50601	CPL, COYOTE TURNOUT BLOWOFF, VALVE -12", OPERATOR	REPLACEMENT: UPDATED FREQUENCY FROM 25 TO 20, 4/26/16, JAM	\$ 5,600		RWM1011984	92764009	6626														
CPL - GUADALUPE LV	25	2021	AR40243	CPL, GUADALUPE LV VAULT, LINE VALVE - 66" BFV	REPLACEMENT:	\$ 140,000		RWM1011956	92764009	6626														
CPL - GUADALUPE LV	26	2021	AR40100	CPL VALVE - BYPASS VALVE - 24" MOTOR OPERATED PLUG VALVE (EAST)	REPLACEMENT:	\$ 37,500		RWM1011963	92764009	6626														

RAW WATER TRANSMISSION AND DISTRIBUTION PIPELINES (FY21)											Estimated Total Hours												
SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
CPL- GUADALUPE LV	27	2021	AR40102	CPL VALVE - BLOWOFF VALVE - 24" MOTOR OPERATED PLUG VALVE	REPLACEMENT:	\$ 37,500		RWM1011964	92764009	6626													
CPL- GUADALUPE LV	28	2021	AR40993	CPL VALVE - BYPASS VALVE - 24" MOTOR OPERATED PLUG VALVE (WEST)	REPLACEMENT:	\$ 37,500		RWM1011965	92764009	6626													
CPL- GUADALUPE LV	29	2021	AR44215	CPL, GUADALUPE LINE VALVE VAULT, INSTRUMENTATION - RTU	REPLACEMENT: CONTRACTOR	\$ 24,000		RWM1011968	92764009	6626													
CPL- GUADALUPE LV	30	2021	AR40244	CPL OPERATOR - GUADALUPE LINE VALVE ELECTRIC VALVE OPERATOR	REPLACEMENT:	\$ 18,000		RWM1011971	92764009	6626													
CPL- GUADALUPE LV	31	2021	AR40101	CPL OPERATOR - BYPASS VALVE - 24" MOTOR OPERATED PLUG VALVE OPERATOR (EAST)	REPLACEMENT:	\$ 10,050		RWM1011978	92764009	6626													
CPL- GUADALUPE LV	32	2021	AR40103	CPL OPERATOR - BLOWOFF VALVE - 24" MOTOR OPERATED PLUG VALVE OPERATOR	REPLACEMENT:	\$ 10,050		RWM1011979	92764009	6626													
CPL- GUADALUPE LV	33	2021	AR40994	CPL OPERATOR - BYPASS VALVE - 24" MOTOR OPERATED PLUG VALVE OPERATOR (WEST)	REPLACEMENT:	\$ 10,050		RWM1011980	92764009	6626													
CPL- PIEDMONT LV	34	2021	AR41003	CPL VALVE - PIEDMONT LINE VALVE - 48"BFV	REPLACEMENT:	\$ 450,000		RWM1011955	92764009	6626													
CPL- PIEDMONT LV	35	2021	AR46567	CPL STRUCTURE - BLOCK HOUSE (CONTROL HOUSE) PIEDMONT VALVE YARD	REPLACEMENT: CONTRACTOR	\$ 20,000		RWM1011969	92764009	6626													
CPL- PIEDMONT LV	36	2021	AR41004	CPL OPERATOR - PIEDMONT LINE VALVE - 48" BFV ACTUATOR	REPLACEMENT:	\$ 18,000		RWM1011972	92764009	6626													
FY21 RAW WTR & T&D PIPELINES TOTAL:						\$ 12,344,875		TOTAL PROJECTS	36	LABOR HOURS	0	0	0	0	12281	0	0	840	0	400	12081	120	80

RED = AM
 BLUE = MAINT
 PURP = ENGR

SAN FELIPE DIVISION FY(21)

RED = AM
 BLUE = MAINT
 PURP = ENGR

REACH	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours												
											MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
SFR1	#REF!	2021	AR52895	PPP HVAC GALLERY; CHILLER #1 COND/RECIR PUMP	REPLACEMENT	\$6,000	DISCUSS WITH M. BOWDEN	RWM1012005	91214010	6626			40										
SFR1	2	2021	AR52915	PPP HVAC GALLERY; CHILLER #2 COND/RECIR PUMP	REPLACEMENT	\$6,000	DISCUSS WITH M. BOWDEN	RWM1012006	91214010	6626			40										
SFR1	3	2021	AR42168	PACHECO TUNNEL REACH 2 ENTRANCE DOOR	INSPECTION	\$5,000	ADD FY21 FOR ROBERT HASKINS GROUP TO REQUEST FACILITIES ASSISTANCE IF NEEDED; ENTRANCE TO TUNNEL	RWM1012009	91211099	6165										10			
SFR1	4	2021	AR42169	PACHECO TUNNEL REACH 2 ENTRANCE DOOR HVOS SYSTEM	REPLACEMENT: THE REPLACEMENT SHOULD BE PLANNED TO COINCIDE WITH THE TUNNEL INSPECTION, ALSO PISTON PUMP, HAND OPERATIVE	\$2,000	ADD FY21 FOR ROBERT HASKINS GROUP TO REQUEST FACILITIES ASSISTANCE IF NEEDED; ENTRANCE TO TUNNEL	RWM1012012	91214010	6626			9					9					
SFR1	5	2021	AR52926	PPP ASD GALLERY; RAW WATER COMMUNICATION; UPS	REHABILITATION - REPLACE BATTERIES AND INSPECT	18000	ASK CS	RWM1011996	91214010	6626						6				10			
SFR1	6	2021	AR42165	PPP - PACHECO REGULATING TANK ABOVE GROUND STORAGE TANK (AST)	INSPECTION - DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$27,750	ASK RAUL, JDH USED TO DO THIS; RESPONDED YES	RWM1011990	91211099	6165											9		
SFR1	7	2021	PHANTOM	ELECTRICAL TESTING	TESTING AGENCY	\$24,000	BID AMOUNT VARIES WITH PLANT; EE UNIT	RWM1011992	91211099	6165						40						24	
SFR1	8	2021	PHANTOM	PPP WAPA MAINTENANCE CONTRACT	PPP WAPA MAINT. CONTRACT 008	\$27,000	CONTRACT COST VARIES WITH YEAR; EE UNIT	RWM1011991	91211099	6165													
SFR1	9	2021	PHANTOM	PPP - WAPA CONTRACT	DISTRICT LABOR	\$8,000	EE UNIT	RWM1012001	91211099	6165						40	18			80			
SFR1	10	2021	PHANTOM	PPP - ELECTRICAL TESTING	DISTRICT LABOR	\$12,000	EE UNIT	RWM1011998	91211099	6165						40				24			
SFR1	11	2021	PHANTOM	PPP - WAPA CONTRACT	DISTRICT LABOR	\$8,000	EE UNIT	RWM1012000	91211099	6165						40	18			80			

SAN FELIPE DIVISION FY(21)											Estimated Total Hours													
REACH	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
SFR1	12	2021	AR41491	PACHECO PUMP #1	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012013	91211099	6165										15				
SFR1	13	2021	AR42004	PACHECO PUMP #2	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012014	91211099	6165										6				
SFR1	14	2021	AR42017	PACHECO PUMP #3	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012016	91211099	6165										6				
SFR1	15	2021	AR42030	PACHECO PUMP #4	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012018	91211099	6165										6				
SFR1	16	2021	AR42043	PACHECO PUMP #5	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012019	91211099	6165										6				
SFR1	17	2021	AR42056	PACHECO PUMP #6	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012020	91211099	6165										6				
SFR1	18	2021	AR42069	PACHECO PUMP #7	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012021	91211099	6165										6				
SFR1	19	2021	AR42082	PACHECO PUMP #8	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012022	91211099	6165										6				
SFR1	20	2021	AR42095	PACHECO PUMP #9	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012023	91211099	6165										6				
SFR1	21	2021	AR42108	PACHECO PUMP #10	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012024	91211099	6165										6				
SFR1	22	2021	AR42121	PACHECO PUMP #11	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012025	91211099	6165										6				

SAN FELIPE DIVISION FY(21)											Estimated Total Hours														
REACH	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)		
SFR1	23	2021	AR42134	PACHECO PUMP #12	SKF TEST (IN-HOUSE) SURGE TEST, WINDING RESISTANCE, POLARIZATION INDEX, STEP-VOLTAGE TEST (SUBSTITUTED FOR HIGH POT), INSULATION RESISTANCE, REPORT	\$2,000	EE UNIT	RWM1012026	91211099	6165											6				
SFR1	24	2021	AR41483	PPP - HVOS ACCUMULATOR TANK #1 - ABOVE GROUND STORAGE TANK (AST)	INSPECTION - INCLUDES CLEANING COST; THICKNESS TESTING ETC; MAY FOLLOW STATE REGULATIONS FOR PRESSURIZED VESSELS; TAKEN CARE OF BY FACILITIES, CERTIFICATION IS DONE BY AN OUTSIDE AGENCY.	\$500	FACILITIES: ASME UNFIRED PRESSURE VESSEL CODE	RWM1012027	91211099	6165										9					
SFR1	25	2021	AR41491	PACHECO PUMP UNIT #1 PUMP	REHABILITATION - REBUILD PUMP WITH NEW COUPLINGS & NUTS 001 STD. REBUILD	\$1,100,000	NEEDS CONTRACT AND BOARD APPROVAL; WILL GO OUT FOR BID; USE 17-4SS PH H1150 MATERIAL FOR THE SHAFT COUPLINGS, COUPLING NUTS, SHAFT SPLIT LOCKING RINGS, AND SHAFT KEYS.	RWM1005725	91214010	6626					120		344	100	8	15					
SFR1	26	2021	AR52927	PPP ASD GALLERY; TELEPHONE/MODEM/T-1	REPLACEMENT	\$5,000	PARTS = \$5000; NOT \$250; ASK CS	RWM1012010	91214010	6626										16					
SFR1	27	2021	AR41490	PACHECO PUMP UNIT #1 MOTOR	REHAB. STATOR AND/OR ROTOR RE-WIND (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2); DEPENDS ON TEST RESULTS	\$20,000	PRICE ADJUSTMENT	RWM1005723	91214010	6626						80	44	27	27	27					
SFR1	28	2021	AR52224	PPP MECH & HVAC GALLERY; CHILLED WATER PUMP (CHWP-1)	REHABILITATION - STD REBUILD	\$21,600	REHAB 10YR; REPLACE 25 YR; DISCUSS WITH M. BOWDEN	RWM1011993	92764009	6229			40												
SFR1	29	2021	AR52225	PPP; MECH & HVAC GALLERY; PUMP CHWP-2	REHABILITATION - STD REBUILD	\$21,600	REHAB 10YR; REPLACE 25 YR; DISCUSS WITH M. BOWDEN	RWM1011994	92764009	6229			40												
SFR1	30	2021	AR41493	PACHECO PUMP UNIT #1 PUMP DISCHARGE VALVE	REHABILITATION	\$12,500	REHAB 12YR; REPLACE 40YR: ROTO VALVES REPLACED WITH PUMP REBUILD	RWM1005727	91214010	6626					2			35		8					
SFR1	31	2021	AR41494	PACHECO PUMP UNIT #1 PUMP DISCH VALVE HYD OPERATOR	REHABILITATION - SEALS AND HOSES; HONE; 2 HARD PARTS	\$40,000	REPLACE 40YR, REHAB 20YRS.	RWM1005728	91214010	6626								35		10					
SFR1	32	2021	AR41490	PACHECO PUMP UNIT #1 MOTOR	REPLACEMENT - 2 PARTS: 1. INSPECT BEARINGS, 2. TEST MOTOR, CLEAN, VPI, ROTOR N STATOR WINDING, RETEST, BALLANCING AND VIBRATION TESTING. (COOLER WILL BE DONE ALSO)	\$16,000	REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR	RWM1005722	91214010	6626						80		contract	16	15					
SFR1	33	2021	AR41490	PACHECO PUMP UNIT #1 MOTOR	REHABILITATION, BEARINGS (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2); DEPENDS ON TEST RESULTS; (COOLER WILL BE DONE ALSO)	\$40,000	REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR; CHECK QUOTE FOR COST UPDATE	RWM1005724	91214010	6626						80	44	27	27	27					

SAN FELIPE DIVISION FY(21)											Estimated Total Hours													
REACH	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
SFR1	34	2021	AR41495	PACHECO PUMP UNIT #1 PUMP DISCHARGE GUARD VALVE	REPLACEMENT	\$107,500	REPLACE IN-KIND, REQUIRES REGULATING TANK AND MANIFOLD TO BE DRAINED - LARGE EFFORT REQUIRED; ONE SHUTDOWN A YEAR, CHECK WITH OPS. CAN TWO VALVES BE DONE?; 14 WEEK LEAD TIME @\$44K - BM	RWM1005729	91214010	6626					2			35		8				
SFR1	35	2021	AR41492	PACHECO PUMP UNIT #1 PUMP AIR RELEASE VALVE	REPLACE	\$1,350	REPLACED WITH PUMP REBUILD; WILL GO OUT FOR BID	RWM1005726	91214010	6626					2			35		15				
SFR1	36	2021	AR42112	PACHECO PUMP UNIT #10 PUMP DISCHARGE GUARD VALVE	REPLACEMENT	\$107,500	REQUIRES PLANNING - TO BE DONE DURING A SHUTDOWN; WAS NOT DONE IN FY19; CAN WE REPLACE 1 TO 2 DURING A SHUTDOWN. WHEN THE REGULATING TANK IS BROUGHT OFF LINE OR IN PARALLEL WITH CV?; NEEDS TO GO OUT TO BID	RWM1011988	91214010	6626					2			18		8				
SFR1	37	2021	AR52156	PPP WAPA SUB-STATION SURGE ARRESTER; KV 6	REPLACEMENT (IF RECOMMENDED BY WAPA)	\$5,600	VERIFY WHERE KV 6 IS LOCATED : WAPA O&M CONTRACT (ADDITIONAL COST)	RWM1012008	91214010	6626						16				10				
SFR1	38	2021	AR52158	PPP WAPA SUB-STATION SURGE ARRESTER; KV 72	REPLACEMENT (IF RECOMMENDED BY WAPA)	\$7,000	VERIFY WHERE KV72 IS LOCATED : WAPA O&M CONTRACT (ADDITIONAL COST)	RWM1012003	91214010	6626						16				10				
SFR1	39	2021	AR52150	PPP WAPA SUB-STATION SURGE ARRESTER; KV 6	REPLACEMENT (IF RECOMMENDED BY WAPA)	\$5,600	WAPA O&M CONTRACT (ADDITIONAL COST)	RWM1012007	91214010	6626						16				10				
SFR1	40	2021	AR50682	PPP - DOMESTIC WATER PUMP SYSTEM	REPLACEMENT	\$6,000	WELL PUMP	RWM1012004	91214010	6626								18						
SFR1	41	2021	AR41480	PPP-MT-TNK-78 HVOS HYDRAULIC OIL RESERVOIR	INSPECTION - INCLUDES CLEANING COST	\$16,000		RWM1011997	91211099	6165								16						
SFR1	42	2021	AR52142	PPP PUMP GALLERY, 30 KVA TRANSFORMER (SH-1)	INSPECTION:	4444		RWM1012011	91211099	6165									5					
SFR2	43	2021	AR66895	CFI/CFO LEVEE ROAD	REPAIR ROAD 002	\$860,000	JOSEPH, CALAVARAS FAULT CROSSING; SFR2	RWM1011987	91224010	6626			18											

SAN FELIPE DIVISION FY(21)											Estimated Total Hours												
REACH	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
SFR3	44	2021	PHANTOM	COYOTE PUMP ELECTRICAL TESTING	CONTRACT COST	\$12,000	ARVIND OR CAPITAL	RWM1011999	91231099	6165						8		27	18				
SFR3	45	2021	PHANTOM	CPP WAPA MAINTENANCE CONTRACT	CPP WAPA MAINT. CONTRACT 009	\$19,000	COST OF CONTRACT	RWM1011995	91231099	6165						240				5			
SFR3	46	2021	PHANTOM	COYOTE PUMP WAPA CONTRACT	DISTRICT LABOR	\$8,000	COST WAS INCREASED TO INCLUDE LABOR AND MATERIALS. 25K = MATERIALS	RWM1012002	91231099	6165						240				5			
SFR3	47	2021	AR42517	COYOTE DISCHARGE LINE - METER VAULT INSTRUMENTATION	REPLACEMENT	\$36,000	REPLACE PLC 12YRS; REPLACE PCP &BCP 24YR HAROL OR JAMES; SHOULD THIS BE DONE WITH THE 2023 REHAB?	RWM1011989	91234010	6626					36					9	4		
FY21 SFRX TOTAL:						\$ 2,640,944		TOTAL PROJECTS	47	LABOR HOURS	0	0	187	0	164	942	468	382	135	486	9	0	0

VASONA PUMP STATION (FY21)																						
RED = AM BLUE = MAINT PURP = ENGR																						
ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	Estimated Total Hours												
										MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
1	2021	AR42274	VPP - CATIONIC POLY SYSTEM CHEM TANK CATIONIC POLYMER #1	INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS; 20YR; \$12,000	\$12,000	THE CURRENT CONFIGURATION OF PIPING ALWAYS REMAIN AT THE BOTTOM 2' OF THE TANK. THE CURRENT PLUMBING CONFIGURATION AND TANK STYLE DO NOT ALLOW FOR TANKS TO BE COMPLETELY DRAINED. DISCUSS WITH MIKE SPITERI FOR MINOR MODIFICATION	RWM1012031	92261099	6165	9					4				4			
2	2021	AR42275	VPP - CATIONIC POLY SYSTEM CHEM TANK CATIONIC POLYMER #2	INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS; 20YR; \$12,000	\$12,000	THE CURRENT CONFIGURATION OF PIPING ALWAYS REMAIN AT THE BOTTOM 2' OF THE TANK. THE CURRENT PLUMBING CONFIGURATION AND TANK STYLE DO NOT	RWM1012032	92261099	6165	9					4				4			
3	2021	AR42290	VASONA PUMP BUILDING UPS	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$5,000	MAINTENANC DOES NOT KNOW WHERE THIS IS.	RWM1012033	92261099	6165									12	10			
4	2021	AR42201	VASONA PUMP MS PC BATTERY BACKUP (UPS)	REHABILITATION; REPLACE BATTERIES AND INSPECT (DISCUSS WITH FACILITIES AND KELVIN); MS MIGHT BE METER SHOP	\$1,000	MAINTENANC DOES NOT KNOW WHERE THIS IS.	RWM1012034	92261099	6165						6			9	10			
				FY21 WATER SUPPLY OPERATIONS TOTAL:	\$ 30,000		TOTAL PROJECTS	4	LABOR HOURS	18	0	0	0	8	6	0	8	21	20	0	0	0

WATER SUPPLY MANAGEMENT SYSTEM: MAINTENANCE (92761010) FY21												Estimated Total Hours													
SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	FINAL COMMENTS FOR FY21 DUE MAY 15.	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)	
PENITENCIA WATER SUPPLY MANAGEMENT SYSTEM	1	2021	AR65074	SIERRA CREEK PIPELINE	GROUT AND ABANDON (gary to discuss with Jerry)	50,000	THE VALVE AT PENITENCIA POND 3 WAS ALREADY REMOVED AND THE PIPELINE WAS PLUGGED IN FY20.		RWM1011943	92761010	6165		27					27						8	
PENITENCIA WATER SUPPLY MANAGEMENT SYSTEM	2	2021	AR65186	OVERFELT PIPELINE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$15,000			RWM1011944	92761010	6165		27					27						8	
					FY21 WATER SUPPLY OPERATIONS TOTAL:	\$ 65,000			TOTAL PROJECTS	2	LABOR HOURS	0	54	0	0	0	0	54	0	0	0	0	16	0	

RED = AM
 BLUE = MAINT
 PURP = ENGR

WATER SUPPLY MANAGEMENT SYSTEM: OPERATIONS (92761009) FY21											Estimated Total Hours												
SYSTEM	ITEM	YEAR	ASSET ID	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS	WORKORDER	PROJECT	ACCT.	MAINT TECH (555) HRS	WATERSHED FIELD OPS (555) HRS	FACILITIES (887)	ENVIRO HEALTH AND SAFETY (916)	UTILITY MAINT. ENG. (435)	UTILITY E&CS ENG (545)	RAW WATER FIELD OPS (585)	MAINT TECH (585)	CONT TECH (585)	ELEC TECH (585)	PLANNER (585)	WATER RESOURCES PLANNING (412)	LABORATORY (535)
COYOTE WATER SUPPLY MANAGEMENT SYSTEM	1	2021	AR66221	MADRONE CHANNEL PERCOLATION PONDS	POND GROOMING/CLEANING/CAPACITY RESTORATION PROJECTS - FOR ½ OF MADRONE PONDS, VEGETATION BELOW WATER LINE AS NEEDED	\$215,000	START (GROUP 1 PONDS: 1,2,3,4,5,6) IN FY20; START (GROUP 2 PONDS: 7,8,9,10) IN FY21 ; ALTERNATE EVERY YEAR	RWM1011945	92761009	6213		1080					240					48	
FY21 WATER SUPPLY OPERATIONS TOTAL:						\$ 215,000		TOTAL PROJECTS	1	LABOR HOURS	0	1080	0	0	0	0	240	0	0	0	0	48	0

RED = AM
 BLUE = MAINT
 PURP = ENGR



FISCAL YEAR 2021-2025
 WATER UTILITY ENTERPRISE MAINTENANCE WORK PLAN

APPENDIX B: FY2022-2025 MWP PLANNED WORK

Overview

This Appendix contains Water Utility facilities FY2022-2025 MWP planned work details. Each facility has one table. The project costs provided in the tables include services and supply costs; and required labor hours are estimated. The required labor hours are provided by staff and are conservative.

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Table 27 through Table 41 summarize the PW to be completed in FY22 - 25. The project costs provided in the tables include services and supply costs, but do not include labor costs.

Table B-1: Penitencia Water Treatment FY22-25 Plant Planned Work

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AP54189	PWTP DUTARD PUMP STATION PUMP #2 MOTOR	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 2,480	PENDING VIBRATION TESTING
2	2022	AP54326	PWTP DUTARD PUMP STATION PUMP #1 MOTOR	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 2,480	PENDING VIBRATION TESTING
3	2022	AP54313	PWTP DUTARD PUMP STATION PUMP #2	REHABILITATION - STD. REBUILD	\$ 20,800	PENDING VIBRATION TESTING

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
4	2022	AP54325	PWTP DUTARD PUMP STATION PUMP #1	REHABILITATION - STD. REBUILD	\$ 20,800	PENDING VIBRATION TESTING
5	2022	AP10003	PWTP FILTER #1 AIR SCOUR VALVE (E-404)	REPLACEMENT	\$ 5,600	
6	2022	AP10006	PWTP FILTER #2 AIR SCOUR VALVE (E-410)	REPLACEMENT	\$ 5,600	
7	2022	AP10008	PWTP FILTER #3 SCOUR VALVE (E-424)	REPLACEMENT	\$ 5,600	
8	2022	AP10011	PWTP FILTER #4 AIR SCOUR VALVE (E-430)	REPLACEMENT	\$ 5,600	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
9	2022	AP10013	PWTP FILTER #5 AIR SCOUR VALVE (E-444)	REPLACEMENT	\$ 5,600	
10	2022	AP10015	PWTP FILTER #6 AIR SCOUR VALVE (E-450)	REPLACEMENT	\$ 5,600	
11	2022	AP10005	PWTP FILTER #1 AIR SCOUR VALVE (E-404) OPERATOR	REPLACEMENT	\$ 8,750	
12	2022	AP10007	PWTP FILTER #2 AIR SCOUR VALVE (E-410) OPERATOR	REPLACEMENT	\$ 8,750	
13	2022	AP10009	PWTP FILTER #3 SCOUR VALVE (E-424) OPERATOR	REPLACEMENT	\$ 8,750	
14	2022	AP10012	PWTP FILTER #4 AIR SCORE VALVE (E-430) OPERATOR	REPLACEMENT	\$ 8,750	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
15	2022	AP10014	PWTP FILTER #5 AIR SCOUR VALVE (E-444) OPERATOR	REPLACEMENT	\$ 8,750	
16	2022	AP10016	PWTP FILTER #6 AIR SCOUR VALVE (E-450) OPERATOR	REPLACEMENT	\$ 8,750	
17	2022	AP10017	PWTP ALUM FC/LA TANK #1	INSPECTION: INSPECTION (E)	\$ 4,000	
18	2022	AP10018	PWTP ALUM FC/LA TANK #2	INSPECTION: INSPECTION (E)	\$ 4,000	
19	2022	AP10019	PWTP ALUM FC/LA TANK #3	INSPECTION: INSPECTION (E)	\$ 4,000	
20	2022	AP10024	PWTP ALUM PUMP #2	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	\$ 6,750	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
21	2022	AP10030	PWTP AQUA NH4 SCRUBBER TANK	INTEGRITY INSPECTION (I)(E)(UT) + CLEANING	\$ 2,500	OKAY
22	2022	AP10622	PWTP AQUA NH4 CONTROL PANEL (PAAMCP1)	INSPECT AND REHAB (PCP) AS NEEDED	\$ 11,250	REPLACE PLC 12 YR; REPLACE (PCP & BCP) 24 YR

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
23	2022	AP50451	PWTP AQUA NH4 STORAGE TANK TRUCK UNLOADING CONTROL PANEL (PAAMTUP)	REPLACEMENT -PLC, CONTRACTOR	\$ 36,000	JAMES B.
24	2022	AP10029	PWTP AQUA NH4 STORAGE TANK	REPLACEMENT:	\$ 120,000	MOVED FROM FY21 TO FY22
25	2022	AP10061	PWTP BP SLUDGE BLEND TANK FEED PUMP	REHABILITATIO N - STD REBUILD	\$ 21,600	POSSIBLY REPLACED IN CIP
26	2022	AP10056	PWTP BP SLUDGE BLEND TANK MIXER (M-P- 13)	REPLACEMENT:	\$ 42,000	MOVED FROM FY21 TO FY22

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
27	2022	AP10055	PWTP BP SLUDGE BLEND TANK	INSPECTION: EXTERNAL (E) AND (UT)	\$ 3,000	
28	2022	AP41022	PWTP BP ANIONIC POLY FEED PUMP #1 (FP-P-10-1) MOTOR AC VFD	REPLACEMENT	\$ 3,000	POSSIBLY DECOMISSIONED IN CIP
29	2022	AP41023	PWTP BP ANIONIC POLY FEED PUMP #2 (FP-P-10-2) MOTOR AC VFD	REPLACEMENT	\$ 3,000	POSSIBLY DECOMISSIONED IN CIP
30	2022	AP42774	PWTP EVACUATION ALARM SYSTEM	REPLACEMENT	\$ 7,875	MIGHT BE PART OF FIRE ALARM SYSTEM'S YEARLY INSPECTION
31	2022	AP10186	PWTP ELECTRIC GATE OPENER	REPLACEMENT	\$ 7,875	TONY TO VERIFY IF COMPLETED IN FY17
32	2022	AP10093	PWTP; CARBON BLDG ROOF; TANK #1 MIXER (PPACMX01); MOTOR	REPLACEMENT	\$ 7,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
33	2022	AP10096	PWTP CARBON BLDG ROOF; TANK #2 MIXER (PPACMX02) - MOTOR	REPLACEMENT	\$ 7,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
34	2022	AP10098	PWTP; CARBON BLDG ROOF; TANK # 1 DUST COLLECTO R; BLW (PPACVCO1) - MOTOR	REPLACEMENT	\$ 2,890	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
35	2022	AP10100	PWTP; CARBON BLDG ROOF; TANK # 2 DUST COLLECTO R; BLW (PPACVCO2) - MOTOR	REPLACEMENT	\$ 2,890	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
36	2022	AP10102	PWTP; CARBON FEED RM; CARBON METER PUMP #1 (PPACP01) - MOTOR	REPLACEMENT	\$ 1,275	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
37	2022	AP10103	PWTP CARBON METER PUMP #1 (PPACP01) MOTOR VFD	REPLACEMENT	\$ 3,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
38	2022	AP10105	PWTP; CARBON FEED RM; CARBON METER PUMP #2 (PPACP02) - MOTOR	REPLACEMENT	\$ 1,275	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
39	2022	AP10106	PWTP CARBON METER PUMP #2 (PPACP02) MOTOR VFD	REPLACEMENT	\$ 3,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
40	2022	AP10108	PWTP; CARBON FEED RM; CARBON RECIRCULA TION PUMP - MOTOR	REPLACEMENT	\$ 1,275	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
41	2022	AP10091	PWTP CARBON TANK #1	INSPECTION: INSPECTION (I), (E) HOLIDAY TEST + CLEANING	\$ 100,000	
42	2022	AP10091	PWTP CARBON TANK #1	REHABILITATIO N: REHAB (BLAST, REPAIR & COAT)	\$ 100,000	
43	2022	AP10094	PWTP CARBON TANK #2	INSPECTION: INSPECTION (I), (E) HOLIDAY TEST + CLEANING	\$ 100,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
44	2022	AP10094	PWTP CARBON TANK #2	REHABILITATIO N: REHAB (BLAST, REPAIR & COAT)	\$ 100,000	
45	2022	AP10097	PWTP CARBON TANK # 1 DUST COLLECTO R (PPACVCO1)	REPLACEMENT	\$ 28,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
46	2022	AP10099	PWTP CARBON TANK # 2 DUST COLLECTO R (PPACVCO2)	REPLACEMENT	\$ 28,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
47	2022	AP50354	PWTP CARBON TANK #1 TRUCK UNLOADING VALVE (PAC-1-M- 401); OPERATOR	REPLACEMENT	\$ 7,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
48	2022	AP50356	PWTP CARBON TANK #2 TRUCK UNLOADING VALVE (PAC-2-M- 402); OPERATOR	REPLACEMENT	\$ 7,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
49	2022	AP50360	PWTP CARBON TANK #1 SUPPLY VALVE (PPACPCP- M-409); OPERATOR	REPLACEMENT	\$ 7,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
50	2022	AP50363	PWTP CARBON TANK #2 SUPPLY VALVE (PPACPCP- M-410); OPERATOR	REPLACEMENT	\$ 7,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
51	2022	AP50357	PWTP CARBON BLDG TRUCK UNLOADING CONTROL PANEL	INSPECT AND REHAB (PCP) AS NEEDED	\$ 36,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT; WQ TO DECIDE IF THIS WILL BE DECOM
52	2022	AP50366	PWTP CARBON FEED ROOM BASIN #1 FLOW METER (FIT- 303)	REPLACEMENT	\$ 4,375	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT; WQ TO DECIDE IF THIS WILL BE DECOM

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
53	2022	AP50367	PWTP CARBON FEED ROOM BASIN #2 FLOW METER (FIT- 304)	REPLACEMENT	\$ 4,375	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
54	2022	AP50368	PWTP CARBON FEED ROOM BASIN #3 FLOW METER (FIT- 305)	REPLACEMENT	\$ 4,375	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
55	2022	AP50369	PWTP CARBON FEED ROOM WWR PIPE GALLERY FLOW METER (FIT- 302)	REPLACEMENT	\$ 4,375	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT; WQ TO DECIDE IF THIS WILL BE DECOM
56	2022	AP50370	PWTP CARBON FEED ROOM BASIN #1 BYPASS FLOW METER (FIT- 307)	REPLACEMENT	\$ 4,375	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT; WQ TO DECIDE IF THIS WILL BE DECOM
57	2022	AP50371	PWTP CARBON FEED ROOM BASIN #2 BYPASS FLOW METER (FIT- 308)	REPLACEMENT	\$ 4,375	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT; WQ TO DECIDE IF THIS WILL BE DECOM

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
58	2022	AP50372	PWTP CARBON FEED ROOM BASIN #3 BYPASS FLOW METER (FIT- 309)	REPLACEMENT	\$ 4,375	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT; WQ TO DECIDE IF THIS WILL BE DECOM
59	2022	AP50373	PWTP CARBON FEED ROOM WWR PIPE GALLERY BYPASS FLOW METER (FIT- 306)	REPLACEMENT	\$ 4,375	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT; WQ TO DECIDE IF THIS WILL BE DECOM
60	2022	AP10101	PWTP CARBON METER PUMP #1 (PPACP01)	REPLACEMENT	\$ 6,750	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
61	2022	AP10104	PWTP CARBON METER PUMP #2 (PPACP02)	REPLACEMENT	\$ 6,750	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
62	2022	AP10107	PWTP CARBON RECIRCULA TION PUMP	REPLACEMENT	\$ 6,750	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
63	2022	AP10109	PWTP CARBON ROOM AIR	COAT:	\$ 4,125	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			RECEIVER TANK			
64	2022	AP10092	CARBON TANK MIXER #1	OVERHAUL MIXER	\$ 12,000	
65	2022	AP10095	CARBON TANK MIXER #2	OVERHAUL MIXER	\$ 12,000	
66	2022	AP50365	PWTP CARBON FEED ROOM PLANT WATER FLOW TOTALIZER (PPACF0)	REPLACEMENT	\$ 3,000	CARBON IS NOT USED, REPLACE AS NEEDED - MAINT WILL CONTINUE TO PUSH THE DATE OUT
67	2022	AP10153	PWTP CLEARWELL 48 IN INLET VALVE (BFV-03)	REPLACEMENT	\$ 97,000	
68	2022	AP10155	PWTP CLEARWELL 36 IN OUTLET VALVE (BFV-04)	REPLACEMENT	\$ 61,500	
69	2022	AP10154	PWTP CLEARWELL 48 IN INLET VALVE (BFV-03) OPERATOR	REPLACEMENT	\$ 18,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
70	2022	AP10156	PWTP CLEARWELL 36 IN OUTLET VALVE (BFV-04) OPERATOR	REPLACEMENT	\$ 18,000	
71	2022	AP10151	PWTP CLEARWELL	DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$ 15,000	
72	2022	AP10273	PWTP FILTER CONTROL HOUSE #1	REPLACEMENT - CONTRACTOR	\$ 100,000	CAPITAL PROJECT
73	2022	AP10274	PWTP FILTER CONTROL HOUSE #2	REPLACEMENT - CONTRACTOR	\$ 100,000	CAPITAL PROJECT
74	2022	AP67207	PWTP FILTER CONTROL HOUSE #1, PROCESS CONTROLLER- CM50	REPLACEMENT	\$ 1,875	THIS PROJECT REQUIRES SOME REDESIGN CLEANUP; DISCUSS WITH JAMES AND ELECTRICAL (MAE)
75	2022	AP67208	PWTP FILTER CONTROL HOUSE #2, PROCESS CONTROLLER- CM50	REPLACEMENT; (REQUIRES SOME REDESIGN CLEANUP)	\$ 1,875	THIS PROJECT REQUIRES SOME REDESIGN CLEANUP; DISCUSS WITH JAMES AND ELECTRICAL (MAE)

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
76	2022	AP67209	PWTP FILTER CONTROL HOUSE # 3, PROCESS CONTROLLER CM50	REPLACEMENT; (REQUIRES SOME REDESIGN CLEANUP)	\$ 1,875	THIS PROJECT REQUIRES SOME REDESIGN CLEANUP; DISCUSS WITH JAMES AND ELECTRICAL (MAE)
77	2022	AP10202	PWTP FILTER #2	REPLACEMENT:	\$ 1,000,000	MOVED FROM FY21 TO FY22, WILL MOST LIKELY BE AN INSPECTION/REHAB
78	2022	AP10245	PWTP FILTER #5	REPLACEMENT:	\$ 1,000,000	MOVED FROM FY21 TO FY22, WILL MOST LIKELY BE AN INSPECTION/REHAB
79	2022	AP67415	PWTP FLUOROSILICIC ACID STORAGE TANK # 1 (PFSAT01)	INSPECTION: INSPECTION (E)	\$ 4,000	
80	2022	AP67418	PWTP FLUOROSILICIC ACID STORAGE TANK # 2 (PFSAT02)	INSPECTION: INSPECTION (E)	\$ 4,000	
81	2022	AP10397	PWT FILTER AIR WASH CONTROL VALVE; OPERATOR	REPLACEMENT	\$ 10,050	
82	2022	AP66529	PWTP BELTPRESS SMALL UPS FOR CCP-P	REHABILITATION - REPLACE BATTERIES AND INSPECT	\$ 1,000	REHAB 5YRS, REPLACE 20 YRS

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
83	2022	AP52258	PWTP STAND-BY GENERATOR; BATTERY PAK	REPLACEMENT	\$ 1,750	
84	2022	AP52262	PWTP STAND-BY GEN BLDG; XMFR 25 KVA (TR-1)	INSPECTION:	\$ 4,444	
85	2022	AP50383	PWTP SATND-BY GEN. FUEL TANK; DIESEL (4000 GAL/BURIED)	INSPECTION: MONITORING SYSTEM & SPILL CONTIANMENT TESTING CERTIFICATION	\$ 1,000	
86	2022	AP50018	PWTP MAIN SWITCHGEAR (12.47KV)	INSPECTION:	\$ 4,444	
87	2022	AP10581	PWTP UTILITY BLDG MAIN SWITCHBOARD 1600-A	INSPECTION:	\$ 4,444	
88	2022	AP46888	PWTP STAND-BY GEN SWITCHBOARD (SB-1)	INSPECTION:	\$ 4,444	
89	2022	AP66564	PWTP OZONE GENERATOR NO. 1 UPS	REHABILITATION - REPLACE BATTERIES AND INSPECT	\$ 5,000	REHAB 10 YRS, REPLACE 20 YRS

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
90	2022	AP66565	PWTP OZONE GENERATOR NO. 2 UPS	REHABILITATION - REPLACE BATTERIES AND INSPECT	\$ 5,000	REHAB 10 YRS, REPLACE 20 YRS
91	2022	AP66566	PWTP OZONE GENERATOR NO. 3 UPS	REHABILITATION - REPLACE BATTERIES AND INSPECT	\$ 5,000	REHAB 10 YRS, REPLACE 20 YRS
92	2022	AP10557	PWTP POLY FEED RM NON-IONIC/CATIONIC PUMP CONTROL PANEL	INSPECT AND REHAB (PCP) AS NEEDED	\$ 36,000	
93	2022	AP54341	PWTP NON-IONIC NEAT POLY TANK MIXER	REHABILITATION - INSPECT AND REHAB (DRIVE AND SPROCKETS)	\$ 50,000	MOVE TO 2022
94	2022	AP52025	PWTP PW PUMP #2; MOTOR; 60 HP	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 3,200	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
95	2022	AP67143	PWTP PW PUMP #1 MOTOR	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 7,600	
96	2022	AP67144	PWTP PW PUMP #2; MOTOR	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 7,600	
97	2022	AP10476	PWTP PW PUMP #1	REHABILITATION - STD. REBUILD	\$ 20,800	REQUIRES MECHANICAL ENGINEERING SUPPORT TO GET THE OLD PW PUMPS REPLACED BEFORE REHABING THE NEW PW PUMPS: SOW/SPEC; CONTINUE WITH VIBRATION TESTING;
98	2022	AP10478	PWTP PW PUMP #2	REHABILITATION - STD REBUILD	\$ 20,800	REQUIRES MECHANICAL ENGINEERING SUPPORT TO GET THE OLD PW PUMPS REPLACED BEFORE REHABING THE NEW PW PUMPS: SOW/SPEC; CONTINUE WITH VIBRATION TESTING
99	2022	AP52024	PWTP PW PUMP #1 (PPWP02) - NEW	REHABILITATION - STD. REBUILD	\$ 20,800	REPLACE 30YR, REHAB 15YR

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
100	2022	AP52027	PWTP PW PUMP #2 (PPWP03) - NEW	REHABILITATION - STD. REBUILD	\$ 20,800	REPLACE 30YR, REHAB 15YR
101	2022	AP10477	PWTP PW PUMP #1 MOTOR	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 7,600	REPLACE 30YR, REHAB 10YR;
102	2022	AP10479	PWTP PW PUMP #2; MOTOR	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 7,600	REPLACE 30YR, REHAB 10YR;
103	2022	AP10110	PWTP CAUSTIC TANK (STEEL)	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT) 5YR; INTEGRITY INSPECTION (I) + INTERNAL MINIMUM REMAINING THICKNESS TEST (MRT) + CLEANING AND REPAIRS 20YR; COAT 20YR; REPLACE 40YR
104	2022	AP10148	PWTP OCL FEED PUMP #5 MOTOR	REPLACEMENT	\$ 2,000	ORDER PUMP & MOTOR TOGETHER; MOVED TO 2020
105	2022	AP10127	PWTP OCL STORAGE TANK #1	COAT:	\$ 5,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
106	2022	AP10134	PWTP OCL STORAGE TANK #3	COAT	\$ 15,000	
107	2022	AP10625	PWTP SODIUM HYPOCHLORITE CONTROL PANEL (POCLCP)	INSPECT AND REHAB (PCP) AS NEEDED	\$ 11,250	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
108	2022	AP50445	PWTP OCL STORAGE TANK TRUCK UNLOADING CONTROL PANEL (POCLTUP)	INSPECT AND REHAB (PCP) AS NEEDED	\$ 36,000	
109	2022	AP10147	PWTP OCL FEED PUMP #5	REPLACEMENT	\$ 30,000	REQUIRES MECHANICAL ENGRING SUPPORT TO SPEC THE FLOW RANGE; 2 PER YEAR
110	2022	AP52012	PWTP SA LEAK DETECTION PANEL	REPLACEMENT	\$ 4,500	
111	2022	AP49987	PWTP SA SULFURIC ACID STORAGE TANK (PSAT01)	INSPECTION: INSPECTION (E)(UT) (LT)	\$ 5,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
112	2022	AP67524	SULFURIC ACID SPILL TANK	INSPECTION: INSPECTION (E)(UT)	\$ 1,000	VISUAL INSPECTION ON CONDITION OF TANK ULTRASONIC THICKNESS MEASUREMENTS 5YR; INTERNAL INSPECTION 10YRS (INSPECTION (I), (E) + CLEANING)
113	2022	AP46730	PWTP WASHWATER RECOVERY MCC-WWE VAR FREQ DRIVE	REPLACEMENT: AC; >50 - 100 HP	\$ 15,000	
114	2022	AP66817	PWTP WASHWATER RECOVERY PUMP #1 MOTOR	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 4,800	
115	2022	AP10505	PWTP WASHWATER RECOVERY PUMP #1	REHABILITATION: STD. REBUILD (NO IMPELLER; OR BOWL)	\$ 20,800	
116	2022	AP10508	PWTP WASHWATER RECOVERY PUMP #2	REHABILITATION - STD. REBUILD	\$ 20,800	DUE FOR REPLACEMENT IN 2027

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
117	2022	AP50420	PWTP CLEARWEL L ANALYZER WIRELESS I/O	REPLACEMENT: CONTRACTOR	\$ 15,000	CONFIRM THIS ANALYZER CAN BE REMOVED FROM THE AMWP
118	2022	AP10552	PWTP PHOSPHOR IC ACID TANK (6459 GAL)	INSPECTION (E) & MINOR REPAIRS	\$ 4,000	REPLACE 40YR; INSPECTION (E) 5 YRS, INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS 20YR; COAT 20YR;
119	2023	AP10034	PWTP; AMMONIA FEED RM; NH4 METER PUMP #1 - MOTOR	REPLACEMENT	\$ 1,275	DELAY 5 YEARS, MOVE TO FY23
120	2023	AP10036	PWTP; AMMONIA FEED RM; NH4 METER PUMP #2 MOTOR	REPLACEMENT	\$ 1,275	DELAY 5 YEARS, MOVE TO FY23
121	2023	AP10033	PWTP; AMMONIA FEED RM; NH4 METER PUMP #1	REPLACEMENT	\$ 6,750	REPLACED HEAD ON EXISTING PUMP IN FY18; PUSH TEST & REBUILD IF NEEDED TO FY23

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
122	2023	AP10035	PWTP; AMMONIA FEED RM; NH4 METER PUMP #2	REPLACEMENT	\$ 6,750	REPLACED HEAD ON EXISTING PUMP; PUSH TEST & REBUILD IF NEEDED TO FY23
123	2023	AP10029	PWTP AQUA NH4 STORAGE TANK	INSPECTION: INSPECTION (E)(UT) (LT)	\$ 5,000	INTEGRITY INSPECTION (I)(E)(UT) + CLEANING 5YR; COAT 20YR; REPLACE 40YR; RESCHEDULE IF REPLACED IN FY22.
124	2023	AP10063	PWTP BP CONVEYOR BELT	REHABILITATION INCLUDES BUCKETS AND CHAINS	\$ 22,500	DONE IN FY2017, INSPECT IN 2023
125	2023	AP10058	PWTP BELT PRESS	REPLACEMENT: UPPER AND LOWER BELT REPLACE	\$ 7,750	
126	2023	AP67603	PWTP CATIONIC POLY BATCH TANK #1	INSPECTION:INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	REPLACE 40YR, INSPECTION (I & E) 2YRS, COAT 20YR: ADD A COATING ACTIVITY IN 2025
127	2023	AP67604	PWTP CATIONIC POLY BATCH TANK #2	INSPECTION:INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	REPLACE 40YR, INSPECTION (I & E) 2YRS, COAT 20YR: ADD A COATING ACTIVITY IN 2025

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
128	2023	AP10285	PWTP CATIONIC POLY BATCH TANK #1	INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	
129	2023	AP10269	PWTP FILTER #6 FILTERED WATER CONTROL VALVE (M-455)	REPLACEMENT	\$ 9,600	
130	2023	PHANTOM1	PWTP ELECTRICAL TESTING	ADMINISTRATIO N COST: CONTRACT COST FOR ELECTRICAL TESTING	\$ 12,000	
131	2023	AP52259	PWTP SWGR BATTERY & CHARGER	:	\$ 4,444	
132	2023	AP50383	PWTP STAND-BY GEN. FUEL TANK; DIESEL (4000 GAL/BURIED)	SECONDARY CONTAINMENT LEAK TESTING (VALVES & PIPING)	\$ 1,000	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION (1 YR); SECONDARY CONTAINMENT LEAK TESTING (VALVES & PIPING) (3YR); REPLACEMENT 40YR

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
133	2023	AP52256	PWTP STAND-BY GENERATOR; CONTROL PANEL	INSPECT AND REHAB (PCP) AS NEEDED	\$ 36,000	
134	2023	AP52261	PWTP SWGR UTILITY COMPARTMENTS	INSPECTION:	\$ 4,444	
135	2023	AP68378	PWTP MAIN UPS NO. 1	INSPECTION: INSPECT AND REPLACE BATTERIES	\$ 1,000	
136	2023	PHANTOM	PWTP ELECTRICAL TESTING	CONTRACT COST	\$ 14,100	
137	2023	PHANTOM	PWTP ELECTRICAL TESTING	ADMINISTRATION COST:	\$ 14,100	
138	2023	PHANTOM	PWTP ELECTRICAL TESTING	DISTRICT LABOR COST	\$ 12,000	
139	2023	AP54373	PWTP NON-IONIC POLY BLEND PUMP (BACKUP) MOTOR	REPLACEMENT:	\$ 1,275	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
140	2023	AP54374	PWTP NON-IONIC POLY BLEND PUMP (PRIMARY)	REPLACEMENT	\$ 6,750	
141	2023	AP54393	PWTP NON-IONIC POLY BLEND PUMP (BACKUP)	REPLACEMENT	\$ 10,500	
142	2023	AP54351	PWTP CAUSTIC METER PUMP MOTOR #1	REPLACEMENT	\$ 1,275	ORDER PUMP & MOTOR TOGETHER
143	2023	AP54352	PWTP CAUSTIC METER PUMP MOTOR #2	REPLACEMENT	\$ 1,275	ORDER PUMP & MOTOR TOGETHER
144	2023	AP54349	PWTP CAUSTIC METER PUMP #1	REPLACEMENT	\$ 6,750	ORDER PUMP & MOTOR TOGETHER
145	2023	AP54350	PWTP CAUSTIC METER PUMP #2	REPLACEMENT	\$ 6,750	ORDER PUMP & MOTOR TOGETHER

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
146	2023	AP10127	PWTP OCL STORAGE TANK #1	REPLACE LINER	\$ 25,000	REPLACE 40YRS, INSPECTION INTERNAL +(UT) 5YRS, COAT 20YRS; INTEGRITY INSPECTION (I)(UT) + REHAB LINER 10 YRS:CONTRACT WORK. MONITORING THE RESULTS THAT RWTP GETS WITH THEIR NEW CENTRIFUGE
147	2023	AP10127	PWTP OCL STORAGE TANK #1	INTEGRITY INSPECTION (I)(UT) + REHAB	\$ 12,000	REPLACE 40YRS, INSPECTION INTERNAL +(UT) 5YRS, COAT 20YRS; INTEGRITY INSPECTION (I)(UT) + REHAB LINER 10 YRS:CONTRACT WORK. MONITORING THE RESULTS THAT RWTP GETS WITH THEIR NEW CENTRIFUGE
148	2023	AP10127	PWTP OCL STORAGE TANK #1	COAT	\$ 5,000	
149	2023	AP10134	PWTP OCL STORAGE TANK #3	INSPECTION: INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
150	2023	AP10134	PWTP OCL STORAGE TANK #3	INTEGRETY INSPECTION (I)(UT) + REHAB	\$ 12,000	
151	2023	AP10134	PWTP OCL STORAGE TANK #3	REHABILITATION - LINER REPLACEMENT OR REPAIR	\$ 25,000	REPLACE 40YRS, INSPECTION INTERNAL +(UT) 5YRS, COAT 20YRS; INTEGRETY INSPECTION (I)(UT) + REHAB LINER 10 YRS:CONTRACT WORK. MONITORING THE RESULTS THAT RWTP GETS WITH THEIR NEW CENTRIFUGE
152	2023	AP49987	PWTP SA SULFURIC ACID STORAGE TANK (PSAT01)	INSPECTION: INTERNAL (I) OR ON-STREAM INSPECTION DEPENDING ON API 510 6.5.2.1 CRITERIA + CLEANING	\$ 10,000	VISUAL INSPECTION ON CONDITION OF TANK ULTRASONIC THICKNESS MEASUREMENTS 5YR; INTERNAL INSPECTION 10YRS (INSPECTION (I), (E) + CLEANING)
153	2023	AP46530	PWTP SA METERING PUMP #1 (PSAP-01)	REPLACEMENT	\$ 6,750	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
154	2023	AP46531	PWTP SA METERING PUMP #2 (PSAP-02)	REPLACEMENT	\$ 6,750	
155	2023	PHANTO M12	PWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATIO N COST:	\$ 5,000	
156	2023	PHANTO M15	PWTP CROSS-CONNECTI ON SURVEY	ADMINISTRATIO N COST:	\$ 10,000	
157	2023	PHANTO M	PWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATIO N COST	\$ 5,000	
158	2023	AP10288	PWTP CATIONIC POLY BATCH TANK #2	INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	
162	2024	MISSING	PWTP - PRESSURE VESSEL (200 PSI) - MAINT - PORTABLE	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; A031020-14
163	2024	MISSING	PWTP - PRESSURE VESSEL (200 PSI) - OGB BLDG	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND	\$ 500	PERMIT EXPIRES FY24; A001606-05

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				PERMIT RENEWAL		
164	2024	MISSING	PWTP - PRESSURE VESSEL (200 PSI) - UTILITY BUILDING	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; A022932-96
165	2024	AP50454	PWTP DUTARD PUMP STATION PLC/IO PANEL; UPS	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
166	2024	AP50413	PWTP BELT PRESS CONTROL PANEL (CCP-P)	REPLACEMENT: REPLACEMENT (PCP & BCP), CONTRACTOR, UPDATED 5/23/16, JAM	\$ 36,000	
167	2024	AP54353	PWTP BP ANIONIC POLY FEED PUMP #1 (FP-P-10-1)	REPLACEMENT	\$ 6,750	HOLD: POSSIBLY DEMOLLITIONED

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
168	2024	AP54354	PWTP BP ANIONIC POLY FEED PUMP #2 (FP-P-10-2)	REPLACEMENT	\$ 6,750	HOLD: POSSIBLY DEMOLLITIONED
169	2024	TPVALUE 100	PWTP INFRASTRUCUTURE NOT COVERED BY ASSET RECORDS	REHABILITATION: COVERS ALL REHABILITATION AND REPLACEMENT OF TP INFRASTRUCTURE AND SYSTEMS NOT COVERED BY UNIQUE ASSET RECORDS. ACTIVITIES DRIVEN BY REGULATION; OBSOLESCENCE; END OF USEFUL LIFE; ETC.	\$ 3,712,000	
170	2024	AP10187	PWTP ELECTRIC GATE OPENER MOTOR	REPLACEMENT:	\$ 2,210	FACILITIES

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
171	2024	AP66487	PWTP LANDSCAPE IRRIGATION PUMP	REPLACEMENT	\$ 6,000	
172	2024	AP49792	PWTP ROLL UP DOORS	REPLACEMENT: CONTRACTOR	\$ 10,000	
173	2024	AP50324	PWTP FILTER GALLERY ROLL UP DOOR (EAST)	REPLACEMENT: CONTRACTOR	\$ 5,000	
174	2024	AP50325	PWTP FILTER GALLERY ROLL UP DOOR (WEST)	REPLACEMENT: CONTRACTOR	\$ 5,000	
175	2024	PHANTOM	PWTP INFRASTRUCTURE NOT COVERED BY ASSET RECORDS	REHABILITATION: COVERS ALL REHABILITATION AND REPLACEMENT OF TP INFRASTRUCTURE AND SYSTEMS NOT COVERED BY UNIQUE ASSET	\$ 3,712,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				RECORDS. ACTIVITIES DRIVEN BY REGULATION; OBSOLESCENCE; END OF USEFUL LIFE; ETC.		
176	2024	AP10109	PWTP CARBON ROOM AIR RECEIVER TANK	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; A002016-09
177	2024	AP10280	PWTP CATIONIC POLY TANK	INSPECTION: INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 1,000	
178	2024	AP10151	PWTP CLEARWELL	REPLACEMENT:	\$ 937,500	REHABED SCHEDULED IN 2022
179	2024	AP10173	PWTP DRINKING FOUNTAINS	REPLACEMENT:	\$ 3,000	
180	2024	AP10167	PWTP DOMESTIC WATER TANK (HYDROMATIC TANK)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	OSHA & ASME BOILER STD; FACILITY CONTRACT

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
181	2024	AP10630	PWTP DOMESTIC HOT WATER HEATER	REPLACEMENT:	\$ 2,000	
182	2024	AP10172	PWTP DOMESTIC HOT WATER CIRCULATION PUMP MOTOR	REPLACEMENT:	\$ 2,210	
183	2024	AP10204	PWTP FILTER #2 EFFLUENT VALVE (E-412)	REPLACEMENT:	\$ 9,600	
184	2024	AP10206	PWTP FILTER #2 FILTER TO WASTE VALVE (E-413)	REPLACEMENT:	\$ 2,975	
185	2024	AP10213	PWTP FILTER #2 FILTERED WATER CONTROL VALVE (M-415)	REPLACEMENT:	\$ 9,600	
186	2024	AP10219	PWTP FILTER #3 EFFLUENT VALVE (E-426)	REPLACEMENT:	\$ 9,600	
187	2024	AP10221	PWTP FILTER #3 FILTER TO WASTE VALVE (E-427)	REPLACEMENT:	\$ 2,975	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
188	2024	AP10227	PWTP FILTER #3 FILTERED WATER CONTROL VALVE (M-434)	REPLACEMENT:	\$ 9,600	
189	2024	AP10233	PWTP FILTER #4 EFFLUENT VALVE (E-432)	REPLACEMENT:	\$ 9,600	
190	2024	AP10235	PWTP FILTER #4 FILTER TO WASTE VALVE (E-433)	REPLACEMENT:	\$ 2,975	
191	2024	AP10241	PWTP FILTER #4 FILTERED WATER CONTROL VALVE (M-435)	REPLACEMENT:	\$ 9,600	
192	2024	AP10247	PWTP FILTER #5 EFFLUENT VALVE (E-446)	REPLACEMENT:	\$ 9,600	
193	2024	AP10249	PWTP FILTER #5 FILTER TO WASTE VALVE (E-447)	REPLACEMENT:	\$ 2,975	
194	2024	AP10255	PWTP FILTER #5 FILTERED WATER	REPLACEMENT:	\$ 9,600	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			CONTROL VALVE (M-454)			
195	2024	AP10261	PWTP FILTER #6 EFFLUENT VALVE (E-452)	REPLACEMENT:	\$ 9,600	
196	2024	AP10263	PWTP FILTER #6 FILTER TO WASTE VALVE (E-453)	REPLACEMENT:	\$ 2,975	
197	2024	AP68447	PWTP FILTER #1 FILTERED WATER CONTROL VALVE (M-414)	REPLACEMENT:	\$ 9,600	
198	2024	AP10198	PWTP FILTER #1 FILTERED WATER CONTROL VALVE (M-414)	REPLACEMENT:	\$ 9,600	
199	2024	AP46680	PWTP PW FIRE PROTECTIO N PUMP (PPWP01)	REHABILITATIO N - STD. REBUILD	\$ 21,600	MOVE TO 2024

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
200	2024	AP49925	PWTP PW FIRE PUMP DEISEL FUEL TANK (12 GA/300 GALS)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$ 1,000	REPLACE 40YR, INSPECT 5YR, COAT 20YR
201	2024	AP10334	PWTP SEDIMENT BASIN #1LAUNDERS & TUBE SETTLERS	INSPECTION:	\$ 200,000	
202	2024	AP10366	PWTP SEDIMENT BASIN #2 LAUNDERS & TUBE SETTLERS	INSPECTION:	\$ 200,000	
203	2024	AP10395	PWTP SEDIMENT BASIN #3 LAUNDERS & TUBE SETTLERS	INSPECTION:	\$ 200,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
204	2024	AP10306	PWTP FLOCCULAT OR #1	REPLACEMENT:	\$ 2,500,000	5-YEAR INSPECTION; CORROSION CONSULTANT (JDH) RECOMMENDS 5 YEAR INTERVAL INSPECTIONS. WE WILL DO THIS UNTIL WE CONFIRM THAT THE BASIN IS DOING WELL WITHOUT COATING
205	2024	AP10322	PWTP SEDIMENT BASIN #1	REHABILITATION - MAJOR: REHABILITATION - BLAST; REPAIR AND COAT 05/30/19 JC PER LP	\$ 200,000	PM INSPECTIONS ARE DONE ANNUALLY. THEY ARE NO LONGER GETTING COATED. REMOVE REHAB AND KEEP THE INSPECTION. LAST INSPECTION WAS DONE IN 2018
206	2024	AP10322	PWTP SEDIMENT BASIN #1	INSPECTION: CLEAN AND INSPECT, DISTRICT CONSULTANT EFFORT	\$ 200,000	PM INSPECTIONS ARE DONE ANNUALLY. THEY ARE NO LONGER GETTING COATED
207	2024	AP10335	PWTP FLOCCULAT OR #2	REPLACEMENT:	\$ 2,500,000	5-YEAR INSPECTION; CORROSION CONSULTANT (JDH) RECOMMENDS 5 YEAR INTERVAL INSPECTIONS. WE WILL DO THIS UNTIL WE CONFIRM THAT THE BASIN IS DOING WELL WITHOUT COATING

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
208	2024	AP10353	PWTP SEDIMENT BASIN #2	INSPECTION: CLEAN AND INSPECT, DISTRICT CONSULTANT EFFORT	\$ 200,000	PM INSPECTIONS ARE DONE ANNUALLY. THEY ARE NO LONGER GETTING COATED. REMOVE REHAB AND KEEP THE INSPECTION. LAST INSPECTION WAS DONE IN 2018
209	2024	AP10367	PWTP FLOCCULAT OR #3	REPLACEMENT:	\$ 2,500,000	5-YEAR INSPECTION; CORROSION CONSULTANT (JDH) RECOMMENDS 5 YEAR INTERVAL INSPECTIONS. WE WILL DO THIS UNTIL WE CONFIRM THAT THE BASIN IS DOING WELL WITHOUT COATING
210	2024	AP10383	PWTP SEDIMENT BASIN #3	INSPECTION: CLEAN AND INSPECT, DISTRICT CONSULTANT EFFORT	\$ 200,000	PM INSPECTIONS ARE DONE ANNUALLY. THEY ARE NO LONGER GETTING COATED. REMOVE REHAB AND KEEP THE INSPECTION. LAST INSPECTION WAS DONE IN 2018
211	2024	AP10324	PWTP SEDIMENT BASIN #1 DRAIN VALVE	REPLACEMENT:	\$ 6,000	
212	2024	AP10587	PWTP SEDIMENT BASIN #1 CROSSOVE R 36 IN GATE VALVE	REPLACEMENT:	\$ 25,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
213	2024	AP10588	PWTP SEDIMENT BASIN #2 CROSSOVE R 36 IN GATE VALVE	REPLACEMENT:	\$ 25,000	
214	2024	AP66529	PWTP BELTPRESS SMALL UPS FOR CCP-P	REHABILITATIO N: REPLACE BATTERIES AND INSPECT	\$ 1,000	
215	2024	AP66561	PWTP 21 KV SWGR UPS	REHABILITATIO N: REPLACE BATTERIES AND INSPECT	\$ 1,000	
216	2024	AP52262	PWTP STAND-BY GEN BLDG; XMFR 25 KVA (TR-1)	INSPECTION:	\$ 4,444	
217	2024	AP10020	PWTP ELECTRIC CONTROL PANEL CA 120/208	REPLACEMENT:	\$ 6,000	
218	2024	AP10028	PWTP ELECTRIC CONTROL PANEL CB 120/208	REPLACEMENT:	\$ 6,000	
219	2024	AP10032	PWTP ELECTRIC CONTROL PANEL CC 120/208	REPLACEMENT:	\$ 6,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
220	2024	AP10138	PWTP UTILITY BLDG ELECTRIC CONTROL PANEL U 120/208	REPLACEMENT:	\$ 6,000	
221	2024	AP10332	PWTP ELECTRIC CONTROL PANEL F 120/208	REPLACEMENT:	\$ 6,000	
222	2024	AP10393	PWTP ELECTRIC CONTROL PANEL HD 480/277	REPLACEMENT:	\$ 6,000	
223	2024	AP10407	PWTP ELECTRIC CONTROL PANEL PB-HA 480/277	REPLACEMENT:	\$ 6,000	
224	2024	AP10408	PWTP ELECTRIC CONTROL PANEL PB-HB 480/277	REPLACEMENT:	\$ 6,000	
225	2024	AP10445	PWTP ELECTRIC CONTROL PANEL PB-HC 480/277	REPLACEMENT:	\$ 6,000	
226	2024	AP10637	PWTP GALLERY A (NORTH) ELECTRICAL PANEL #T	REPLACEMENT:	\$ 6,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
227	2024	AP50383	PWTP SATND-BY GEN. FUEL TANK; DIESEL (4000 GAL/BURIED)	INSPECTION: MONITORING SYSTEM & SPILL CONTIANMENT TESTING CERTIFICATION	\$ 1,000	
228	2024	AP10073	PWTP ELECTRIC CONTROL PANEL LP-3 120/208	REPLACEMENT:	\$ 6,000	
229	2024	AP10351	PWTP ELECTRIC CONTROL PANEL LP-5 120/240	REPLACEMENT:	\$ 6,000	
230	2024	AP10364	PWTP ELECTRIC CONTROL PANEL LP-4 120/208	REPLACEMENT:	\$ 6,000	
231	2024	AP10176	PWTP MOTOR CONTROL CENTER CN	REPLACEMENT: REPLACEMENT SHOULD BE CONDUCTED WHEN MANUFACTURE R NO LONGER PROVIDES SUPPORT	\$ 4,688	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
232	2024	AP46688	PWTP WASHWATER RECOVERY MCC-WWE WWRPCP	REPLACEMENT: REPLACEMENT SHOULD BE CONDUCTED WHEN MANUFACTURER NO LONGER PROVIDES SUPPORT	\$ 4,688	
233	2024	AP50018	PWTP MAIN SWITCHGEAR (12.47KV)	REPLACEMENT: CONTRACTOR	\$ 600,000	
234	2024	AP10581	PWTP UTILITY BLDG MAIN SWITCHBOARD 1600-A	REPLACEMENT: CONTRACTOR	\$ 200,000	
235	2024	AP46888	PWTP STAND-BY GENERATOR SWITCHBOARD (SB-1)	REPLACEMENT: CONTRACTOR	\$ 200,000	
236	2024	AP46889	PWTP OGB ELECTRICAL ROOM SWITCHBOARD (SB-3)	INSPECTION:	\$ 4,444	
237	2024	AP68379	PWTP MAIN UPS NO. 2	INSPECTION: INSPECT AND REPLACE BATTERIES	\$ 1,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
238	2024	AP10291	PWTP NON-IONIC NEAT POLY TANK (1500 GAL)	INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS; 20YR; \$12,000	\$ 12,000	REPLACE 40YR, INSPECT (E) 5YR; INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS 20YR; COAT 20YR; THIS TANK IS NO LONGER IN SERVICE, SMALL CHEMICAL TOTES ARE BEING USED BECAUSE THE CHECMICAL GOES BAD WHEN THEY FILL THE TANK. THE PLANT DOES NOT NEED MUCH NEAT POLY. FY19 INSPECTION AND COATING WAS CANCELED. THIS MIGHT GET REMOVED. INTERNAL INSPECTION MOVED TO FY24
239	2024	AP10492	PWTP SBA BYPASS TANK VALVE ELECTRIC ACTUATOR	REPLACEMENT:	\$ 15,000	
240	2024	AP10490	PWTP SBA AQUEDUCT TANK	REPLACEMENT:	\$ 937,500	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
241	2024	AP10586	PWTP UNDERFLOW DESLUDGING VALVE; OPERATOR (K-TORK)	REPLACEMENT:	\$ 17,550	
242	2024	AP10110	PWTP CAUSTIC TANK	INSPECTION: INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	
243	2024	AP10131	PWTP OCL STORAGE TANK #2	COAT	\$ 5,000	
244	2024	AP10131	PWTP OCL STORAGE TANK #2	INSPECTION: EXTERNAL VISUAL INSPECTION AND THICKNESS TESTING	\$ 5,000	
245	2024	AP10131	PWTP OCL STORAGE TANK #2	REHABILITATION: LINER REPLACEMENT OR REPAIR	\$ 20,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
246	2024	AP10131	PWTP OCL STORAGE TANK #2	INTEGRETY INSPECTION (I)(UT) + REHAB	\$ 12,000	REPLACE 40YRS, INSPECTION INTERNAL +(UT) 5YRS, COAT 20YRS; INTEGRETY INSPECTION (I)(UT) + REHAB LINER 10 YRS:CONTRACT WORK
247	2024	AP49987	PWTP SA SULFURIC ACID STORAGE TANK (PSAT01)	INSPECTION: INSPECTION (E)(UT) (LT)	\$ 5,000	
248	2024	AP10504	PWTP WASHWATER RECOVERY POND#1	INSPECTION: INSPECTION IS ONLY ACTIVITY, BUT SHOULD ALSO INCLUDE REPLACEMENT, ACTIVITY IS INSPECTION BUT INDLUDES CLEAN AND REPAIR, 5/24/27, JAM	\$ 12,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
249	2024	AP10507	PWTP WASHWATER RECOVERY POND#2	INSPECTION: INSPECTION IS ONLY ACTIVITY, BUT SHOULD ALSO INCLUDE REPLACEMENT, ACTIVITY IS INSPECTION BUT INDLUDES CLEAN AND REPAIR, 5/24/27, JAM	\$ 12,000	
250	2024	AP10443	PWTP LAB TOC	REPLACEMENT:	\$ 18,750	
251	2024	AP10569	PWTP; OPS BLDG; LAB - TURBIDIMETER - BENCHTOP	REPLACEMENT:	\$ 5,625	
252	2024	AP10570	PWTP; OPS BLDG; LAB - TURBIDIMETER - BENCHTOP (SPARE)	REPLACEMENT:	\$ 5,625	
253	2024	AP10552	PWTP PHOSPHORIC ACID TANK (6459 GAL)	INSPECTION: INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
254	2025	AP52249	PWT FILTER AIR WASH BLOWER; MOTOR (75 HP)	REHABILITATION	\$ 7,600	REPLACE 30YR;(REHAB 10YR - BRGS, SEALS, BAKE, PAINT & TEST)
255	2025	AP10652	PWTP PIPE GALLERY ALUM PUMP MIXER (PMX-R01)	REHABILITATION - SEALS; ETC.	\$ 10,000	REPLACE 20; REHAB seals 5 yr
256	2025	AP10067	PWTP BP ANIONIC NEAT POLY STORAGE TANK	INSPECTION: INSPECTION (E)	\$ 4,000	POSSIBLY REPLACED IN CIP
257	2025	AP10074	PWTP BP ANIONIC POLY BATCH TANK #1	INSPECTION: INSPECTION (E)	\$ 4,000	POSSIBLY REPLACED IN CIP
258	2025	AP10077	PWTP BP ANIONIC POLY BATCH TANK #2	INSPECTION: INSPECTION (E)	\$ 4,000	
259	2025	AP67603	PWTP CATIONIC POLY BATCH TANK #1 (500 GAL)	REPLACEMENT:	\$ 80,000	REPLACE 40YR, INSPECTION (I & E) 2YRS, COAT 20YR: ADD A COATING ACTIVITY IN 2025
260	2025	AP67603	PWTP CATIONIC POLY BATCH TANK #1 (500 GAL)	COAT	\$ 5,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
261	2025	AP67604	PWTP CATIONIC POLY BATCH TANK #2	REPLACEMENT:	\$ 80,000	REPLACE 40YR, INSPECTION (I & E) 2YRS, COAT 20YR: ADD A COATING ACTIVITY IN 2025
262	2025	AP67604	PWTP CATIONIC POLY BATCH TANK #2	COAT:	\$ 5,000	
263	2025	AP54339	PWTP CATIONIC POLY BATCH TANK #1 MIXER	REPLACEMENT:	\$ 4,375	
264	2025	AP54340	PWTP CATIONIC POLY BATCH TANK #2 MIXER	REPLACEMENT:	\$ 4,375	
265	2025	AP10285	PWTP CATIONIC POLY BATCH TANK #1	INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	THESE ARE RESIN TANKS, INVESTIGATE IF THEY WERE REPLACED IN 2016
266	2025	AP10285	PWTP CATIONIC POLY BATCH TANK #1	COAT	\$ 3,000	THESE ARE RESIN TANKS, INVESTIGATE IF THEY WERE REPLACED IN 2016

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
267	2025	AP10288	PWTP CATIONIC POLY BATCH TANK #2	INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	THESE ARE RESIN TANKS, INVESTIGATE IF THEY WERE REPLACED IN 2016
268	2025	AP10288	PWTP CATIONIC POLY BATCH TANK #2	COAT	\$ 3,000	THESE ARE RESIN TANKS, INVESTIGATE IF THEY WERE REPLACED IN 2016
269	2025	AP44196	PWTP CLEARWELL BYPASS VALVE (BFV-01) OPERATOR	REPLACEMENT:	\$ 18,000	
270	2025	AP10170	PWTP DOMESTIC WATER TANK ELECTRIC CONTROL PANEL	REPLACEMENT:	\$ 3,750	
271	2025	AP10167	PWTP DOMESTIC WATER TANK	REPLACEMENT:	\$ 41,250	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
272	2025	AP10306	PWTP FLOCCULAT OR #1	INSPECTION: CLEAN AND INSPECT, DISTRICT CONSULTANT EFFORT	\$ 200,000	PM INSPECTIONS ARE DONE ANNUALLY. THEY ARE NO LONGER GETTING COATED
273	2025	AP10335	PWTP FLOCCULAT OR #2	INSPECTION: CLEAN AND INSPECT, DISTRICT CONSULTANT EFFORT	\$ 200,000	PM INSPECTIONS ARE DONE ANNUALLY. THEY ARE NO LONGER GETTING COATED
274	2025	AP10367	PWTP FLOCCULAT OR #3	INSPECTION: CLEAN AND INSPECT, DISTRICT CONSULTANT EFFORT	\$ 200,000	PM INSPECTIONS ARE DONE ANNUALLY. THEY ARE NO LONGER GETTING COATED

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
275	2025	AP54312	PWTP SEDIMENT BASIN #1 RAKE CHAIN & FLIGHTS	REPLACEMENT: DRIVE CHAIN	\$ 750	TO BE DONE IN FY20 AND 25
276	2025	AP54383	PWTP SEDIMENT BASIN #2 RAKE CHAIN & FLIGHTS	REPLACEMENT: DRIVE CHAIN	\$ 750	TO BE DONE IN FY20 AND 25
277	2025	AP54384	PWTP SEDIMENT BASIN #3 RAKE CHAIN & FLIGHTS	REPLACEMENT: DRIVE CHAIN	\$ 750	TO BE DONE IN FY20 AND 25

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
278	2025	AP46601	PWTP HP METERING PUMP #3 (PHPP-03)	REPLACEMENT	\$ 6,750	
279	2025	AP67654	PWTP HP METERING PUMP #1 (PHPP-01)	REPLACEMENT	\$ 6,750	FIND OUT IF THIS WAS REPLACED IN 2017 AS LISTED IN MAXIMO
280	2025	AP67655	PWTP HP METERING PUMP #2 (PHPP-02)	REPLACEMENT	\$ 6,750	FIND OUT IF THIS WAS REPLACED IN 2017 AS LISTED IN MAXIMO
281	2025	AP50425	PWTP BELTPRESS SMALL UPS FOR LCP-P	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
282	2025	AP10174	MCC-US IN UTILITY BUILDING	INSPECT AND REPLACE AS NEEDED: WILL BE INSPECTED AFTER VALIDATING STWTP MCC'S	\$150,000	REPLACE 30YRS; INSPECT AND REPAIR 2YR: WORK REQUIRES A PLANT SHUTDOWN.
283	2025	AP10177	MCC-CS IN OPS. BUILDING	INSPECT AND REPLACE AS NEEDED: WILL BE INSPECTED AFTER VALIDATING STWTP MCC'S	\$100,000	REPLACE 30YRS; INSPECT AND REPAIR 2YR: WORK REQUIRES A PLANT SHUTDOWN.

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
284	2025	AP10179	MCC-UN IN UTILITY BUILDING	INSPECT AND REPLACE AS NEEDED: WILL BE INSPECTED AFTER VALIDATING STWTP MCC'S	\$80,000	REPLACE 30YRS; INSPECT AND REPAIR 2YR: WORK REQUIRES A PLANT SHUTDOWN.
285	2025	PHANTO M1	PWTP ELECTRICAL TESTING	ADMINISTRATIO N COST: CONTRACT COST FOR ELECTRICAL TESTING	\$ 12,000	
286	2025	AP52259	PWTP SWGR BATTERY & CHARGER	REPLACE	\$ 4,444	
287	2025	AP50383	PWTP SATND-BY GEN. FUEL TANK; DIESEL (4000 GAL/BURIED)	INSPECTION: MONITORING SYSTEM & SPILL CONTIANMENT TESTING CERTIFICATION	\$ 1,000	
288	2025	AP50383	PWTP SATND-BY GEN. FUEL TANK; DIESEL (4000 GAL/BURIED)	INSPECTION: SECONDARY CONTAINMENT LEAK TESTING (VALVES AND PIPING)	\$ 1,000	
289	2025	AP52261	PWTP SWGR UTILITY COMPARTMENTS	INSPECTION:	\$ 4,444	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
290	2025	AP67605	PWTP NON-IONIC POLY BATCH TANK #1	INSPECTION: INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 1,000	REPLACE 40YR, INSPECT (E) 5YR, INSPECT (I) 10 YR, COAT 20YR
291	2025	AP67606	PWTP NON-IONIC POLY BATCH TANK #2	INSPECTION: INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 1,000	REPLACE 40YR, INSPECT (E) 5YR, INSPECT (I) 10 YR, COAT 20YR
292	2025	AP10556	PWTP NON-IONIC METER PUMP #1 - SKID MOUNTED (NOT-IN-SERVICE)	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	\$ 6,750	
293	2025	AP10525	PWTP TELE SLUDGE DEWATERING VALVE POND 1	REPLACEMENT:	\$ 7,000	
294	2025	AP10527	PWTP TELE SLUDGE DEWATERING VALVE POND 2A	REPLACEMENT:	\$ 7,000	
295	2025	AP10528	PWTP TELE SLUDGE DEWATERING VALVE POND 2B	REPLACEMENT:	\$ 7,000	
296	2025	AP10530	PWTP TELE SLUDGE DEWATERING VALVE POND 3A	REPLACEMENT:	\$ 7,000	
297	2025	AP10531	PWTP TELE SLUDGE DEWATERING VALVE POND 3B	REPLACEMENT:	\$ 7,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
298	2025	AP10533	PWTP TELE SLUDGE DEWATERING VALVE POND 4A	REPLACEMENT:	\$ 7,000	
299	2025	AP10534	PWTP TELE SLUDGE DEWATERING VALVE POND 4B	REPLACEMENT:	\$ 7,000	
300	2025	AP10535	PWTP TELE SLUDGE DEWATERING VALVE POND 4C	REPLACEMENT:	\$ 7,000	
301	2025	AP46606	PWTP OGB-SN AIR COMPRESSOR #1 (PSNCMP01)	REPLACEMENT	\$ 3,750	
302	2025	AP46607	PWTP OGB-SN AIR COMPRESSOR #2 (PSNCMP02)	REPLACEMENT	\$ 3,750	
303	2025	AP66758	PWTP WASHWATER RECOVERY FLOWMETER	REPLACEMENT:	\$ 14,000	
304	2025	PHANTOM12	PWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATIVE COST:	\$ 5,000	

PENITENCIA WATER TREATMEN PLANT (FY22-25)						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
305	2025	AP50421	PWTP SMALL UPS FOR CLEARWEL L ANALYZER; WIRELESS; AND I/O	REPLACEMENT: NOTE EQUIPMENT COST IS \$2000 JC 190903	\$ 4,500	

Table B-2: San Francisco Intertie Treated Water T&D FY22-25 Planned Work

San Francisco Intertie Treated Water T&D FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2023 SFI	PHANTO M20	SFI CROSS-CONNECTI ON SURVEY	Administration Cost:	\$ 10,000	
2	2023 SFI	AP50524	SFI PUMP STATION TRANSFOR MER (30KVA)	Inspection:	\$ 4,444	
3	2023 SFI	AP50564	SFI BACKUP GENERATO R FUEL UNLOADING PUMP (FFP-1) (NOT IN SERVICE)	REPLACEMENT	\$ 1,500	
4	2025 SFI	AP50525	SFI PUMP STATION MAIN CONTROL PANEL (PLCCP)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
5	2025 SFI	AP50524	SFI PUMP STATION TRANSFOR MER (30KVA)	Inspection:	\$ 4,444	

Table B-3: Rinconada Water Treatment FY22-25 Plant Planned Work

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AP66682	BOOSTER P 1 DISCH VALVE B41 OPER.	OVERHAUL ACTUATOR	\$2,500	
2	2022	AP66686	MORE AVE PUMP DISCH VALVE B43 OPER	OVERHAUL ACTUATOR	\$2,500	
3	2022	AP20573	RWTP RAW WATER INLET VALVE 48 IN - BL1	REPLACEMENT	\$450,0 00	WILL BE DEMOED IN CIP project, 2 new valves that will be taking the place of BL-1. - Keep moving - Move to FY21
4	2022	AP20523	RWTP WASHWATE R RECOVERY POND #1	INSPECTION: INSPECTION IS ONLY ACTIVITY, BUT SHOULD ALSO INCLUDE REPLACEMENT, ACTIVITY IS INSPECTION BUT INLCLUDES CLEAN AND REPAIR, 5/24/27, JAM	12000	
5	2022	AP20527	RWTP WASHWATE R RECOVERY POND #2	INSPECTION: INSPECTION IS ONLY ACTIVITY, BUT SHOULD ALSO INCLUDE REPLACEMENT, ACTIVITY IS INSPECTION BUT INLCLUDES CLEAN AND REPAIR, 5/24/27, JAM	12000	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
6	2022	AP20729	RWTP AQUA NH4 METER PUMP #2 MOTOR	REPLACEMENT	\$1,275	MOVE TO 2022
7	2022	AP20544	RWTP LOWER SLUDGE POND #2	REHABILITATION: REHAB: CLEAN INSPECT AND REPAIR AS NEEDED	100000	
8	2022	AP50202	RWTP ANIONIC POLY TANK # 1	INSPECTION: EXTERNAL INSPECTION (E)	1000	
9	2022	AP50203	RWTP ANIONIC POLY TANK # 2	INSPECTION: EXTERNAL INSPECTION (E)	1000	
10	2022	AP20031	RWTP AQUA NH4 SCRUBBER TANK	INTEGRITY INSPECTION (I)(E)(UT)+CLEANING	\$2,500	INTEGRITY INSPECTION (I)(E)(UT)+CLEANING 5YR; COAT 20YR, REPLACE 40YR;
11	2022	AP20515	PLANT WA TER PUMP # 3	REBUILD PUMP, AND FIX CHECK VALVE PLANT WATER PUMP # 3	\$30,000	REDESIGN, CARRIED OVER TO FY21; OLD WO WAS ACCIDENTALLY CLOSED; WATER SYSTEM TO BE ADDRESSED IN CIP; ADD A VIBRATION TESTING DURING WINTER MAINTENANCE OR SHUTDOWN - REBUILD AS NEEDED

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
12	2022	AP44009	RWTP_A (IFIX SCADA NODE)	REPLACEMENT	IT BUDG ET	FUTURE SCADA UPGRADE
13	2022	AP44011	RWTP_H (IFIX HISTORICA L VIEW NODE)	REPLACEMENT	IT BUDG ET	FUTURE SCADA UPGRADE
14	2022	AP20264	RWTP NON- IONIC NEAT POLY STORAGE TANK	INSPECTION: INSPECTION (E)	4000	
15	2022	AP20024	RWTP ALUM/ FERRIC STORAGE TANK #1	INSPECTION: INSPECTION (E)	4000	
16	2022	AP20025	RWTP ALUM/ FERRIC STORAGE TANK #2	INSPECTION: INSPECTION (E)	4000	
17	2022	AP20026	RWTP ALUM/ FERRIC STORAGE TANK #3	INSPECTION: INSPECTION (E)	4000	
18	2022	AP21032	RWTP BP POLY PIPING	REPLACEMENT:	50000	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
19	2022	AP20032	RWTP AQUA NH4 METER PUMP #2	REPLACEMENT	\$6,750	
20	2022	AP20117	RWTP CAT POLY STORAGE TANK # 1	INSPECTION: INSPECTION (E)	\$4,000	EXTERNAL 5 YRS; INTERNAL 20 YRS; COAT 20YRS
21	2022	AP20117	RWTP CAT POLY STORAGE TANK # 1	COAT	\$5,000	Coating looks good - inspect in 2025 WITH EXTERNAL INSPECTION
22	2022	AP50744	RWT PHOSPHOR IC ACID SYS; TANK #1	INSPECTION (E) & MINOR REPAIRS	\$4,000	REPLACE 40YR; INSPECTION (E) 5 YRS, INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS 20YR; COAT 20YR;
23	2022	AP50745	RWT PHOSPHOR IC ACID TANK #2	INSPECTION (E) & MINOR REPAIRS	\$4,000	REPLACE 40YR; INSPECTION (E) 5 YRS, INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS 20YR; COAT 20YR;
24	2022	AP20747	RWTP CATIONIC POLYMER METER PUMP #1 MOTOR	REPLACEMENT	\$1,275	RIP TO REPLACE (REPLACE AS NEEDED)
25	2022	AP20748	RWTP CATIONIC POLYMER METER PUMP #2 MOTOR	REPLACEMENT	\$1,275	RIP TO REPLACE (REPLACE AS NEEDED)

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
26	2022	AP20751	RWTP CATIONIC POLYMER METER PUMP #3 MOTOR	REPLACEMENT	\$1,275	RIP TO REPLACE (REPLACE AS NEEDED)
27	2022	AP20928	RWTP COMBINED PUMPS 1;2;3; CAT POLY FLOW METER (RCP-FE/FIT-301)	REPLACEMENT	\$4,375	PENDING RIP
28	2022	AP20268	RWTP NON-IONIC FILTER POLY MIXING TANK # 1	INSPECTION: EXTERNAL INSPECTION (E)	1000	
29	2022	AP50756	RWT PHOSPHORIC ACID METER PUMP # 1	REPLACEMENT	\$6,750	
30	2022	AP50757	RWT PHOSPHORIC ACID METER PUMP # 2	REPLACEMENT	\$6,750	
31	2022	AP50758	RWT PHOSPHORIC ACID METER PUMP # 3	REPLACEMENT	\$6,750	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
32	2022	AP50759	RWT PHOSPHORIC ACID METER PUMP # 1 MOTOR	REPLACEMENT	\$1,275	
33	2022	AP50761	RWT PHOSPHORIC ACID METER PUMP # 2 MOTOR	REPLACEMENT	\$1,275	
34	2022	AP50762	RWT PHOSPHORIC ACID METER PUMP # 3 MOTOR	REPLACEMENT	\$1,275	
35	2022	AP44010	RWTP_B (IFIX SCADA NODE)	REPLACEMENT	IT BUDGET	FUTURE SCADA UPGRADE
36	2022	AP20119	RWTP CATIONIC POLYMER METER PUMP # 1	REPLACEMENT	\$6,750	RIP TO REPLACE (REPLACE AS NEEDED)

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
37	2022	AP20120	RWTP CATIONIC POLYMER METER PUMP # 2	REPLACEMENT	\$6,750	RIP TO REPLACE (REPLACE AS NEEDED)
38	2022	AP20121	RWTP CATIONIC POLYMER METER PUMP # 3	REPLACEMENT	\$6,750	RIP TO REPLACE (REPLACE AS NEEDED)
39	2022	AP52271	RWTP LG SWITCHGE AR (SWGR-1)	INSPECTION:	4444	
40	2022	AP20033	RWTP AQUA NH4 METER PUMP #3	REPLACEMENT	\$6,750	
41	2022	AP50210	RWTP AIR RECEIVER TANK # 1	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	
42	2022	AP50211	RWTP AIR RECEIVER TANK # 2	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
43	2022	AP20730	RWTP AQUA NH4 METER PUMP #3 MOTOR	REPLACEMENT	\$1,275	MOVE TO 2022
44	2022	AP43007	RWTP AQUA NH4 METER PUMP #4 MOTOR	REPLACEMENT	\$1,275	MOVE TO 2022 - BEING REPLACED IN RIP
45	2022	AP43008	RWTP AQUA NH4 METER PUMP #4 MOTOR VFD	REPLACEMENT	\$3,000	MOVE TO 2022
46	2022	AP43009	RWTP AQUA NH4 METER PUMP #5 MOTOR	REPLACEMENT	\$1,275	MOVE TO 2022
47	2022	AP43010	RWTP AQUA NH4 METER PUMP #5 MOTOR VFD	REPLACEMENT	\$3,000	MOVE TO 2022
48	2022	AP43063	RWTP AQUA NH4 METER PUMP #4	REPLACEMENT	\$6,750	MOVE TO 2022
49	2022	AP50645	RWTP FLOCCULAT OR # 1 UNDERFLO W	REPLACEMENT:	\$17,550	MOVED FROM FY21 TO FY22

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			OPERATOR (B-144)			
50	2022	AP50647	RWTP FLOCCULATOR #4 UNDERFLOW OPERATOR (B138)	REPLACEMENT:	17550	
51	2022	AP50655	RWTP FLOCCULATOR #3 UNDERFLOW OPERATOR (B-142)	REPLACEMENT:	17550	
52	2022	AP50659	RWTP FLOCCULATOR #3 UNDERFLOW OPERATOR (B-141)	REPLACEMENT:	17550	
53	2022	AP43064	RWTP AQUA NH4 METER PUMP #5	REPLACEMENT	\$6,750	MOVE TO 2022
54	2022	AP20782	RWTP PLANT WATER PUMP # 1 MOTOR VFD	REPLACEMENT	\$15,000	SYSTEM WILL BE REASSESSED PUSH OUT TO FY22
55	2022	AP20784	RWTP PLANT WATER PUMP # 2 MOTOR VFD	REPLACEMENT	\$15,000	MOVE TO FY22 - SYSTEM WILL BE ASSESSED

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
56	2022	AP20786	RWTP PLANT WATER PUMP # 3 MOTOR VFD	REPLACEMENT	\$15,000	MOVE TO FY22 - SYSTEM WILL BE ASSESSED
57	2022	AP66672	RWTP BACKWASH PUMP DISCHARGE VALVE OPERATOR (B39)	REPLACEMENT	\$17,550	LEAVE, JUST NEEDS MAINT HOURS
58	2022	AP20168	ER GATE OPENERS	REPLACE GATE OPENER	\$7,875	PENDING CIP; TO BE DONE BY 2020
59	2022	AP20509	RWTP - ROOM 212 EYE WASH	REPLACEMENT	\$3,750	INSPECT = EVERY 5 YEARS, REPLACE EVERY 20 YEARS IF NEEDED
60	2022	AP20587	RWTP - ROOM 216 EYE WASH	REPLACEMENT	\$3,750	INSPECT = EVERY 5 YEARS, REPLACE EVERY 20 YEARS IF NEEDED
61	2022	AP67525	RWTP ELECTRIC GATE OPENERS LOWER (2)	REPLACE GATE OPENER	\$7,875	PENDING CIP, MIGHT BE DONE IN 2020
62	2022	AP54307	RWTP PAC STORAGE TANK #1; MIXER (RPACMX01)	REHABILITATION - INSPECT AND REHAB (DRIVE AND SPROCKETS)	\$50,000	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
63	2022	AP52072	RWTP TRANSFORMER KVA 30 (TR-34)	INSPECTION:	4444	
64	2022	AP60011	RWTP TRANSFORMER KVA 30 (T-11)	INSPECTION:	4444	
65	2022	AP60017	RWTP TRANSFORMER KVA 30 (T-161)	INSPECTION:	4444	
66	2022	AP52073	RWTP UPS 50 KVA (UPS-1A TREATED WATER PROCESS)	REPLACE BATTERIES	\$1,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT
67	2022	AP52074	RWTP UPS 50 KVA (UPS-2A RAW WATER/SCADA)	REPLACE BATTERIES	\$1,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT
68	2022	AP52075	RWTP UPS 50 KVA (UPS-1B TREATED WATER PROCESS; BACKUP)	REPLACE BATTERIES	\$1,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
69	2022	AP52076	RWTP UPS 50 KVA (UPS-2B RAW WATER/SCADA; BACKUP)	REPLACE BATTERIES	\$1,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT
70	2022	AP52079	RWTP LG UPS SYS (DP-UPS-2) (FEEDS UPS-1A; UPS-2B)	REPLACE BATTERIES	\$1,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT
71	2022	AP52080	RWTP LG UPS SYS (DP-UPS-2) (FEEDS UPS-1A; UPS-2B)	REPLACE BATTERIES	\$1,000	REPLACE 20YR; REHAB 10YR; 5 YEAR BATTERY REPLACEMENT
72	2022	AP20266	RWTP NON-IONIC NEAT POLY BLEND PUMP #1	REPLACEMENT	\$6,750	PENDING RIP
73	2022	PHANTO M14	RWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATIVE COST:	5000	
74	2022	PHANTO M3	RWTP ELECTRICAL TESTING	CONTRACT (TESTING AGENCY)	\$35,000	ELECTRICAL TO CONFIRM

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
75	2022	PHANTOM3	RWTP ELECTRICAL TESTING	DISTRICT LABOR COST	\$12,000	ELECTRICAL TO CONFIRM
76	2022	AP50288	RWTP PAC AIR COMPRESSOR; AIR RECEIVER TANK	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	
77	2022	AP44018	RWTP_H WINDOWS 2003 SERVER	REPLACEMENT	\$3,000	JAMES BOHAN
78	2022	AP44021	RWTP_A_WI NDOWS 2003 SERVER (SCADA)	REPLACEMENT	\$3,000	JAMES BOHAN
79	2022	AP44024	RWTP_B WINDOWS 2003 SERVER	REPLACEMENT	\$3,000	JAMES BOHAN
80	2022	AP44101	RWTP_1 (IFIX SCADA SENIOR OPERATOR VIEW NODE)	REPLACEMENT	IT BUDGET	FUTURE SCADA UPGRADE

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
81	2022	AP44102	RWTP_2 (IFIX SCADA ASSISTANT OPERATOR VIEW NODE)	REPLACEMENT	IT BUDGET	FUTURE SCADA UPGRADE
82	2022	AP44103	RWTP_3 (IFIX SCADA TREND SCREENS OPERATOR VIEW NODE)	REPLACEMENT	IT BUDGET	FUTURE SCADA UPGRADE
83	2022	AP44132	RWTP_DC_ WINDOWS 2000 SERVER (SCADA)	REPLACEMENT	\$3,000	JAMES BOHAN
84	2022	AP44134	RWTP_COM PUTER SERVER RACK (SCADA)	REPLACEMENT	\$3,000	JAMES BOHAN
85	2022	AP20542	RWTP LOWER SLUDGE POND #1	REHABILITATION: REHAB: CLEAN INSPECT AND REPAIR AS NEEDED	100000	
86	2022	AP52082	RWTP CAUSTIC TANK #2 HEAT PUMP (ROHP08)	REPLACEMENT	\$6,000	MAINTENANCE TO ORDER SPARE
87	2022	AP52301	RWTP PLC PARTICAL COUNTER (PLC-P)	REPLACEMENT	\$1,875	???

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
88	2022	AP50754	RWT PHOSPHORIC ACID TRUCK UNLOADING CONTROL PANEL (RPHATCP)	INSPECT AND REHAB (PLC) AS NEEDED	\$36,000	
89	2022	AP50765	RWT PHORPHORIC ACID METER PUMPS CONTROL PANEL (RPHAPCP)	INSPECT AND REHAB (PLC) AS NEEDED	\$36,000	
90	2023	AP20725	RWTP ALUM METER PUMP #2 MOTOR	REPLACEMENT	\$1,275	
91	2023	AP20727	RWTP ALUM METER PUMP #3 MOTOR	REPLACEMENT	\$1,275	
92	2023	AP67228	RWTP BACKUP PLANT WATER PUMP DIESEL TANK (244 GAL)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	REPLACE 40YR; INSPECT 5YR
93	2023	AP20028	RWTP ALUM METER PUMP #2	REPLACEMENT	\$6,750	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
94	2023	AP20029	RWTP ALUM METER PUMP #3	REPLACEMENT	\$6,750	
95	2023	AP20125	RWTP OCL STORAGE TANK #1 (ROCLT01)	COAT:	5000	MOVE 2023 TO BE DECOM IN RIP
96	2023	AP20129	RWTP OCL STORAGE TANK #2 (ROCLT02)	COAT:	5000	MOVE 2023 TO BE DECOM IN RIP
97	2023	AP20133	RWTP OCL STORAGE TANK #3 (ROCLT03)	COAT:	5000	MOVE 2023 TO BE DECOM IN RIP
98	2023	AP50202	RWTP ANIONIC POLY TANK # 1	INSPECTION:IN CLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$4,000	EXTERNAL 5 YR; INTERNAL 20YR
99	2023	AP50203	RWTP ANIONIC POLY TANK # 2	INSPECTION:IN CLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$4,000	EXTERNAL 5 YR; INTERNAL 20YR
100	2023	AP20785	RWTP PLANT WATER PUMP # 3 MOTOR	REPLACEMENT:	11200	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
101	2023	AP50633	RWTP FLOCCULAT OR #4 TURBINE DRIVE GEARBOX	REHABILITATIO N:	\$12,500	TO BE DECOM
102	2023	AP20743	RWTP PAC METER PUMP #1 MOTOR	REPLACEMENT	\$1,275	PENDING RIP
103	2023	AP20744	RWTP PAC METER PUMP #2 MOTOR	REPLACEMENT	\$1,275	PENDING RIP
104	2023	AP52097	EMERGENC Y GENERATO R DIESEL DAY TANK (100 GAL)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	
105	2023	AP20189	RWTP UL STAND-BY GEN FUEL TANK (2000 GAL)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	
106	2023	AP20109	RWTP PAC METER PUMP #1	REPLACEMENT	\$6,750	PENDING RIP

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
107	2023	AP50913	RWTP CAUSTIC TANKS 1 & 2 CONTROL PANEL (ROHTCP)	REPLACEMENT - REPLACEMENT (PCP & BCP), CONTRACTOR	\$36,000	
108	2023	AP54314	RWTP ALUM METER PUMP #1 MOTOR VFD	REPLACEMENT	\$3,000	PUMP, MOTOR & VFD TO BE REMOVED DISCUSS WITH JOHN
109	2023	AP50734	RWTP OCL METER PUMP #1 MOTOR; AC 3/4 HP	REPLACEMENT	\$1,275	MOVE 2023 TO BE DECOM IN RIP
110	2023	AP50735	RWTP OCL METER PUMP #2 MOTOR; AC 3/4 HP	REPLACEMENT	\$1,275	MOVE 2023 TO BE DECOM IN RIP
111	2023	AP20110	RWTP PAC METER PUMP #2	REPLACEMENT	\$6,750	PENDING RIP
112	2023	AP52324	RWTP UL MAIN SERVICE ENTRANCE SWGR (MSG)	INSPECTION:	4444	
113	2023	AP54315	RWTP ALUM METER PUMP #2 MOTOR VFD	REPLACEMENT	\$3,000	PUMP, MOTOR & VFD TO BE REMOVED DISCUSS WITH JOHN

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
114	2023	AP54316	RWTP ALUM METER PUMP #3 MOTOR VFD	REPLACEMENT	\$3,000	PUMP, MOTOR & VFD TO BE REMOVED DISCUSS WITH JOHN
115	2023	AP54317	RWTP ALUM METER PUMP #1 MOTOR	REPLACEMENT	\$1,275	
116	2023	AP20745	RWTP PAC METER PUMP #2 MOTOR VFD	REPLACEMENT	\$3,000	PENDING RIP
117	2023	AP50736	RWTP OCL METER PUMP #3 MOTOR; AC 3/4 HP	REPLACEMENT	\$1,275	MOVE 2023 TO BE DECOM IN RIP
118	2023	AP50737	RWTP OCL METER PUMP #5; (BACKUP) MOTOR AC 3/4 HP	REPLACEMENT	\$1,275	MOVE 2023 TO BE DECOM IN RIP
119	2023	AP50738	RWTP OCL METER PUMP #4; MOTOR AC 1/2 HP	REPLACEMENT	\$1,275	MOVE 2023 TO BE DECOM IN RIP
120	2023	AP50739	RWTP OCL METER PUMP #1 MOTOR AC DRIVE	REPLACEMENT	\$3,000	MOVE 2023 TO BE DECOM IN RIP

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
121	2023	AP50741	RWTP OCL METER PUMP #3 MOTOR AC DRIVE	REPLACEMENT	\$3,000	MOVE 2023 TO BE DECOM IN RIP
122	2023	AP50742	RWTP OCL METER PUMP #4 MOTOR AC DRIVE	REPLACEMENT	\$3,000	MOVE 2023 TO BE DECOM IN RIP
123	2023	AP50743	RWTP OCL METER PUMP #5 MOTOR AC DRIVE	REPLACEMENT	\$3,000	MOVE 2023 TO BE DECOM IN RIP
124	2023	AP10532	RWTP PLANT WATER PUMP (BACKUP) DIESEL STORAGE TANK	INSPECTION: EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	1000	
125	2023	AP54320	RWTP ALUM METER PUMP #1	REPLACEMENT	\$6,750	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
126	2023	AP20626	RWTP FUEL ISLAND UNLEADED GASOLINE TANK (1000 GAL)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	
127	2023	AP20627	RWTP FUEL ISLAND DIESEL TANK (1000 GAL)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	
128	2023	AP54308	RWTP PAC STORAGE TANK #1; MIXER (RPACMX01); MOTOR	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$2,000	NEEDS MAINT HOURS
129	2023	AP54267	RWTP CAT POLY / ALUM PUMP MIXER	REHABILITATION - SEALS; ETC.	\$10,000	
130	2023	AP60015	RWTP TRANSFORMER KVA 30 (T-51A)	INSPECTION:	4444	
131	2023	AP54535	RWTP MAPS TRANSFORMER 30 KVA	INSPECTION:	4444	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
132	2023	AP54530	RWTP MAPS MCC- CULTER HAMMER FREEDOM 2100 UPS	REPLACEMENT:	\$3,000	
133	2023	PHANTO M14	RWTP PARTICLE COUNTER CALIBRATIO N	ADMINISTRATIO N COST	\$5,000	
134	2023	PHANTO M16	RWTP CROSS- CONNECTI ON SURVEY	ADMINISTRATIO N COST:	10000	
135	2023	PHANTO M3	RWTP ELECTRICA L TESTING	CONTRACT (TESTING AGENCY)	\$35,00 0	
136	2023	PHANTO M3	RWTP ELECTRICA L TESTING	DISTRICT LABOR COST	\$12,00 0	
137	2024	MISSING	RWT - PRESSURE VESSEL (175 PSI) - BELT PRESS PORTABLE	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY24; A19-002955
138	2024	MISSING	RWT - PRESSURE VESSEL (200 PSI) - BASEMENT COMP #1	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY24; A19-002956

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
139	2024	MISSING	RWT - PRESSURE VESSEL (200 PSI) - BASEMENT COMP #2	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY24; A19-002957
140	2024	AP20030	RWTP AQUA NH4 STORAGE TANK	INSPECTION: INSPECTION (E)(UT) (LT)	5000	INTEGRITY INSPECTION (I)(E)(UT)+CLEANING 5YR; LINER OR INTERNAL COATING 10 YR, REPLACE 40YR; (INCLUDE SCRUBBER - LUZ)
141	2024	AP20325	RWTP FLOCCULAT OR #2 RAKE DRIVE GEARBOX	REHABILITATIO N:	\$150,000	FLOC EQUIPMENT TO BE REMOVED IN RIP
142	2024	AP20146	RWTP CLEARWELL - EAST	INSPECTION: DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$15,000	REPLACE 50YR; INSPECT 5YR; COAT 20YR
143	2024	AP20155	RWTP CLEARWELL - WEST	INSPECTION: DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$15,000	REPLACE 50YR; INSPECT 5YR; COAT 20YR
144	2024	AP20190	RWTP FILTER #1	INSPECTION: DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$15,000	TO BE REPLACED IN RIP

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
145	2024	AP20202	RWTP FILTER #2	INSPECTION: DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$15,000	TO BE REPLACED IN RIP
146	2024	AP20215	RWTP FILTER #3	INSPECTION: DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$15,000	TO BE REPLACED IN RIP
147	2024	AP20227	RWTP FILTER #4	INSPECTION: DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$15,000	TO BE REPLACED IN RIP
148	2024	AP20239	RWTP FILTER #5	INSPECTION: DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$15,000	TO BE REPLACED IN RIP
149	2024	AP20252	RWTP FILTER #6	INSPECTION: DISTRICT/CONSULTANT EFFORT; INSPECT THICKNESS; CLEAN; ETC	\$15,000	TO BE REPLACED IN RIP
150	2024	AP50632	RWTP FLOCCULATOR #4 RAKE DRIVE GEARBOX	REHABILITATION:	\$150,000	FLOC EQUIPMENT TO BE REMOVED IN RIP

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
151	2024	AP50636	RWTP FLOCCULAT OR #3 RAKE DRIVE GEARBOX	REHABILITATION:	\$150,000	FLOC EQUIPMENT TO BE REMOVED IN RIP
152	2024	AP50638	RWTP FLOCCULAT OR #3 TURBINE DRIVE GEARBOX	REHABILITATION:	\$12,500	FLOC EQUIPMENT TO BE REMOVED IN RIP
153	2024	AP50634	RWTP FLOCCULAT OR #4 RAKE DRIVE MOTOR	REPLACEMENT:	\$2,210	FLOC EQUIPMENT TO BE REMOVED IN RIP
154	2024	AP50637	RWTP FLOCCULAT OR #3 RAKE DRIVE MOTOR	REPLACEMENT:	\$2,210	FLOC EQUIPMENT TO BE REMOVED IN RIP
155	2024	AP20264	RWTP NON-IONIC NEAT POLY STORAGE TANK	EXTERNAL INSPECTION	\$4,000	REPLACE 40YR, INSPECT (E) 5YR, INSPECT (I) 20 YR, COAT 20YR
156	2024	AP20949	RWTP WEST FLOCCULAT OR BYPASS VALVE (B-5) OPERATOR	REPLACEMENT	\$3,000	MOVE TO 2024 - WILL BE DECOM
157	2024	AP20971	RWTP EAST FLOCCULAT OR BYPASS OPERATOR (B6)	REPLACEMENT	\$3,000	MOVE TO 2024 - WILL BE DECOM

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
158	2024	AP20118	RWTP CAT POLY STORAGE TANK # 2	INSPECTION: INSPECTION (E)	4000	EXTERNAL 5 YRS; INTERNAL 20 YRS; COAT 20YRS
159	2024	AP20118	RWTP CAT POLY STORAGE TANK # 2	COAT	\$5,000	Coating looks good - inspect in 2025 WITH EXTERNAL INSPECTION
160	2024	AP20274	RWTP FLOC POLY TANK #1	INSPECTION (\$8000)- INCLUDES CLEANING (\$9000), AND REPAIR AS NEEDED = \$17,000	\$17,000	IF REPLACED IN FY19, THIS INSPECTION WILL STILL HOLD; LUZ NEEDS A PHOTO OF THIS TANKS PLATE TO ADJUST FREQUENCY
161	2024	AP20268	RWTP NON-IONIC FILTER POLY MIXING TANK # 1	EXTERNAL INSPECTION	\$1,000	EXTERNAL 5 YRS; INTERNAL 20 YRS
162	2024	AP50887	RWTP UNDERFLOW PUMP # 2	REHABILITATION:	\$9,600	RIP
163	2024	AP50891	RWTP UNDERFLOW PUMP # 1	REHABILITATION:	\$9,600	RIP
164	2024	AP50893	RWTP UNDERFLOW PUMP # 3	REHABILITATION:	\$9,600	RIP

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
165	2024	AP52271	RWTP LG SWITCHGEAR (SWGR-1)	INSPECTION:	4444	
166	2024	AP50210	RWTP AIR RECEIVER TANK # 1	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY24; A031466-68
167	2024	AP50211	RWTP AIR RECEIVER TANK # 2	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY24; A031465-68
168	2024	AP50889	RWTP UNDERFLOW PUMP # 4	REHABILITATION:	\$9,600	RIP
169	2024	AP52072	RWTP TRANSFORMER KVA 30 (TR-34)	INSPECTION:	4444	
170	2024	AP60011	RWTP TRANSFORMER KVA 30 (T-11)	INSPECTION:	4444	
171	2024	AP60017	RWTP TRANSFORMER KVA 30 (T-161)	INSPECTION:	4444	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
172	2024	AP52299	RWTP LG SWGR 1 BREAKER CONTROL PANEL	REPLACEMENT: REPLACEMENT (PCP & BCP), CONTRACTOR, UPDATED 5/23/16, JAM	\$36,000	FIND OUT WHAT PCP AND BCP STAND FOR.
173	2024	AP52317	RWTP LG SUBSTATION BREAKER CONTROL PANEL	REPLACEMENT: REPLACEMENT (PCP & BCP), CONTRACTOR, UPDATED 5/23/16, JAM	\$36,000	FIND OUT WHAT PCP AND BCP STAND FOR.
174	2024	AP20410	RWTP HVAC UNIT - COMPUTER ROOM SCADA WALL MOUNT (MITSHIBISHI)	REPLACEMENT	\$10,500	The SCADA server room HVAC was replaced during the seismic retrofit project. The control building will have it's condenser relocated in the RIP. SCADA WALL MOUNT (MITSHIBISHI) REPLACED AROUND 2004 - AND CAN BE SCHEDULED FOR REPLACEMENT IN 2024. The smaller hvac unit (toshiba wall mount 3 ton) was done in FY16. (We need to identify the HVAC units in Maximo with model numbers. HVAC mechanics did not know what this asset was referring to.)

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
175	2024	AP54530	RWTP MAPS MCC- CULTER HAMMER FREEDOM 2100 UPS	REHABILITATIO N: REPLACE BATTERIES AND INSPECT	\$1,000	ERIC K. TO PROVIDE FEEDBACK
176	2024	AP66523	RWTP NON- IONIC FILTER POLY FEED PUMP #1 MOTOR	REPLACEMENT:	\$1,275	ERIC K. TO PROVIDE FEEDBACK
177	2024	PHANTO M14	RWTP PARTICLE COUNTER CALIBRATIO N	ADMINISTRATIO N COST:	5000	
178	2024	PHANTO M3	RWTP ELECTRICA L TESTING	ADMINISTRATIO N COST: CONTRACT COST FOR ELECTRICAL TESTING	35000	
179	2024	AP50288	PAC AIR COMPRESS OR; AIR RECEIVER TANK	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY24; A015145-03
180	2024	AP54174	RWT STANDBY AIR COMPRESS OR AIR RECEIVING TANK	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY24; A003242-13
181	2024	AP20592	RWTP 2100N TURBIDIME TER (SPARE) - BENCHTOP	REPLACEMENT:	\$5,625	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
184	2025	AP20122	RWTP CAUSTIC TANK #1 (ROHT01) 20K GALS	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$5,000	TO BE REPLACED IN RIP , MAY MOVE; EXTERNAL 5 YR, INTERNAL 10YR, COAT 20YR, LINER 10YR
185	2025	AP20122	RWTP CAUSTIC TANK #1 (ROHT01) 20K GALS	INTEGRITY INSPECTION (I) + INTERNAL MINIMUM REMAINING THICKNESS TEST (MRT), (LT)+ CLEANING AND REPAIRS	\$12,000	TO BE REPLACED IN RIP , MAY MOVE; EXTERNAL 5 YR, INTERNAL 10YR, COAT 20YR, LINER 10YR
186	2025	AP20518	RWTP TREATED WATER BOOSTER PUMP #1	REPLACEMENT:	142500	
187	2025	AP20787	RWTP TREATED WATER BOOSTER PUMP #1 MOTOR	REPLACEMENT:	98400	
188	2025	AP20129	RWTP OCL STORAGE TANK #2 (ROCLT02)	REHABILITATION -LINER REPLACEMENT OR REPAIR	\$25,000	PENDING RIP
189	2025	AP20129	RWTP OCL STORAGE TANK #2 (ROCLT02)	INTEGRITY INSPECTION (I) + INTERNAL MINIMUM REMAINING THICKNESS TEST (MRT), (LT)+ CLEANING AND REPAIRS AND	\$12,000	PENDING RIP

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
190	2025	AP20133	RWTP OCL STORAGE TANK #3 (ROCLT03)	REHABILITATION - LINER REPLACEMENT OR REPAIR	\$25,000	PENDING RIP
191	2025	AP20133	RWTP OCL STORAGE TANK #3 (ROCLT03)	INTEGRITY INSPECTION (I) + INTERNAL MINIMUM REMAINING THICKNESS TEST (MRT), (LT)+ CLEANING AND REPAIRS	\$12,000	PENDING RIP
192	2025	AP20783	RWTP PLANT WATER PUMP # 2 MOTOR	REPLACEMENT:	11200	
193	2025	AP20514	RWTP PLANT WATER PUMP # 2	REPLACEMENT:	70000	
194	2025	AP20143	RWTP FLOCCULATOR #2 CHLORINE DIFFUSER GRID	REPLACEMENT:	20000	
195	2025	AP20579	RWTP TRAILER # 5- LAB	REPLACEMENT: CONTRACTOR	110000	
196	2025	AP50770	RWTP FILTER #2 EFFLUENT FLOWMETER (FE/FIT-6)	REPLACEMENT:	4050	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
197	2025	AP50771	RWTP FILTER #4 EFFLUENT FLOWMETER (FE/FIT-8)	REPLACEMENT:	4050	
198	2025	AP50772	RWTP FILTER #6 EFFLUENT FLOWMETER (FE/FIT-10)	REPLACEMENT:	4050	
199	2025	AP50773	RWTP FILTER #1 EFFLUENT FLOWMETER (FE/FIT-5)	REPLACEMENT:	4050	
200	2025	AP50774	RWTP FILTER #3 EFFLUENT FLOWMETER (FE/FIT-7)	REPLACEMENT:	4050	
201	2025	AP50775	RWTP FILTER #5 EFFLUENT FLOWMETER (FE/FIT-9)	REPLACEMENT:	4050	
202	2025	AP20781	RWTP PLANT WATER PUMP # 1 MOTOR	REPLACEMENT:	11200	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
203	2025	AP20276	RWTP FLOC POLY TANK #2	INSPECTION: INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	4000	
204	2025	AP20465	RWTP PERMANGANATE BLDG LOCAL CONTROL PANEL LCP-17	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	\$11,250	
205	2025	AP20465	PERMANGANATE BLDG LCP / LCP-17		36000	REPLACE PLC 12YRS; REPLACE PCP &BCP 24YR: ERIC K. NOT NEEDED. MOVED FROM FY21 TO 2025 UNTIL MS ARE UPDATED
206	2025	AP45337	RWTP MORE AVENUE PUMP STATION PUMP #4	REHABILITATION: FIRST, CONDUCT A VIBRATION AND FLOW TEST. IF RESULTS EXCEED STANDARD VIBRATION	12000	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				AND/OR FLOW IS CONCERNING, MOVE FORWARD WITH STD. REBUILD (NO IMPELLER; OR BOWL). IF TEST RESULTS ARE GOOD, RESCHEDULE FOR LATER TIME. JC 190905		
207	2025	AP46237	RWTP CAUSTIC METER PUMP #3 AC DRIVE	REPLACEMENT	\$3,000	MOVE TO FY25 - MIGHT BE REPLACED IN RIP
208	2025	AP21033	RWTP FLOC POLY PUMP #2	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	6750	
209	2025	AP20123	RWTP CAUSTIC METER PUMP #1 (ROHP01)	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	6750	MOVED FROM FY22 TO FY25 - MIGHT BE REPLACED IN RIP
210	2025	AP20124	RWTP CAUSTIC METER PUMP #2 (ROHP02)	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	6750	MOVED FROM FY22 TO FY25 - MIGHT BE REPLACED IN RIP
211	2025	AP52324	RWTP UL MAIN SERVICE ENTRANCE SWGR (MSG)	INSPECTION:	4444	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
212	2025	AP46235	RWTP CAUSTIC METER PUMP # 3 (ROHP03)	REPLACEMENT	\$6,750	MOVE TO FY25 - MIGHT BE REPLACED IN RIP
213	2025	AP20142	RWTP FLOCCULAT OR #1 CHLORINE DIFFUSER GRID	REPLACEMENT:	20000	
214	2025	AP21040	RWTP MORE AVENUE PUMP STATION PUMP #1 AC VFD DRIVE	REPLACEMENT:	4500	
215	2025	AP21043	RWTP MORE AVENUE PUMP STATION PUMP #2 AC VFD DRIVE	REPLACEMENT:	4500	
216	2025	AP21045	RWTP MORE AVENUE PUMP STATION PUMP #3 AC VFD DRIVE	REPLACEMENT:	4500	
217	2025	AP60015	RWTP TRANSFORMER KVA 30 (T-51A)	INSPECTION:	4444	
218	2025	AP20411	RWTP HOT WATER TANK RECIRCULATION PUMP #6	REPLACEMENT: INSPECT AND REPLACE AS NEEDED	1500	

Rinconada Water Treatment FY22-25 Plant Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
219	2025	AP54535	RWTP MAPS TRANSFOR MER 30 KVA	INSPECTION:	4444	
220	2025	AP54537	RWTP MAPS LCCP1	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	
221	2025	AP50766	RWT PHORPHOR IC ACID SUMP TANK (60 GALS)	INSPECTION: INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	4000	

Table B-4: Santa Teresa Water Treatment Plant FY22-25 Planned Work

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AP50012	LOX EMERGENCY SHUT OFF VLV. (OX-7)	REPLACE VALVE 001	\$ 3,100	
2	2022	AP46596	OFF GAS VACUUM VALVE (OG-4)	REPLACE VALVE 001	\$ 6,300	
3	2022	AP46597	OFF GAS VACUUM VALVE (OG-5)	REPLACE VALVE 001	\$ 6,300	
4	2022	AP46598	OFF GAS VACUUM VALVE (OG-6)	REPLACE VALVE 001	\$ 6,300	
5	2022	AP30046	STWTP AIR WASH BLOWER #2 (ME-49)	REPLACEMENT (DEPENDS ON FY20 VIBRATION TEST)	\$ 40,500	REPLACE 40Y; REHAB 20 YR: brgs. seals; rotor; gears; MOVED TO FY21;
6	2022	AP30047	STWTP AIR WASH BLOWER #2 DRIVE MOTOR (ME-49)	REPLACEMENT (DEPENDS ON FY20 VIBRATION TEST)	\$ 35,000	REPLACE 40Y; REHAB: brgs. Seals; clean; bake; paint & test 20YR,
7	2022	AP68165	STWTP AIR WASH BLOWER #2 DISCHARGE VALVE ACT (V-O-4)	REPLACEMENT	\$ 5,600	MOVED FROM FY20 TO FY22
8	2022	AP30003	STWTP ALUM STORAGE TANK #2	INSPECTION (E) & MINOR REPAIRS	\$ 4,000	REPLACE 40; INSPECTION (E) 5 YR; INTERNAL 20YR; COAT 20 YR

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
9	2022	AP30010	STWTP ALUM METER PUMP MOTOR #1 FD-7	REPLACEMENT	\$ 1,275	
10	2022	AP54176	STWTP ALUM METER PUMP #1 FD-7	REPLACEMENT	\$ 6,750	
11	2022	AP30059	STWTP BACKWASH PUMP #1 (P-9)	REPLACEMENT	\$ 142,500	
12	2022	AP30060	STWTP BACKWASH PUMP #1 (P-9) DRIVE MOTOR	REPLACEMENT	\$ 98,400	
13	2022	AP30082	STWTP WEST FILTER #1 BACKWASH VALVE ACTUATOR (V-F-7)	REPLACEMENT	\$ 10,050	
14	2022	AP30084	STWTP WEST FILTER #2 BACKWASH VALVE ACTUATOR (V-F-8)	REPLACEMENT	\$ 10,050	MOVE TO FY22, WILL NOT BE DONE DUE TO HIGH FLOW

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
15	2022	AP30090	STWTP WEST FILTER #5 BACKWASH VALVE ACTUATOR (V-F-11)	REPLACEMENT:	\$ 10,050	
16	2022	AP30092	STWTP WEST FILTER #6 BACKWASH VALVE ACTUATOR (V-F-12)	REPLACEMENT:	\$ 10,050	
17	2022	AP52048	STWTP EMERGENCY GENERATOR DIESEL FUEL TANK 3;000 GAL BURIED	INSPECTION: MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$ 1,000	
18	2022	AP52048	STWTP EMERGENCY GENERATOR DIESEL FUEL TANK 3;000 GAL BURIED	SECONDARY CONTAINMENT LEAK TESTING (VALVES & PIPING)	\$ 1,000	CURRENTLY FACILITIES HAS A CONTRACT
19	2022	AP66818	STWTP DIESEL TANK - SPILL LEAK MONITORING SYSTEM	REPLACEMENT	\$ 4,500	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
20	2022	AP30265	STWTP FILTER #1 WEST	REHABILITATION - BLAST; REPAIR AND COAT; DONE ON A YEAR THE MEDIA IS REPLACED.	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
21	2022	AP30267	STWTP WEST FILTER #1 EFFLUENT VALVE ACTUATOR (V-F-20)	REPLACEMENT	\$ 10,050	
22	2022	AP30275	STWTP FILTER #2 WEST	REHABILITATION - BLAST; REPAIR AND COAT; DONE ON A YEAR THE MEDIA IS REPLACED.	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
23	2022	AP30277	STWTP WEST FILTER #2 EFFLUENT VALVE ACTUATOR (V-F-21)	REPLACEMENT	\$ 10,050	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
24	2022	AP30285	STWTP FILTER #3 WEST	REHABILITATION - BLAST; REPAIR AND COAT; DONE ON A YEAR THE MEDIA IS REPLACED.	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
25	2022	AP30295	STWTP FILTER #4 WEST	REHABILITATION - BLAST; REPAIR AND COAT; DONE ON A YEAR THE MEDIA IS REPLACED.	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
26	2022	AP30305	STWTP FILTER #5 WEST	REHABILITATION - BLAST; REPAIR AND COAT; DONE ON A YEAR THE MEDIA IS REPLACED.	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
27	2022	AP30315	STWTP FILTER #6 WEST	REHABILITATION - BLAST; REPAIR AND COAT; DONE ON A YEAR THE MEDIA IS REPLACED.	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
28	2022	AP50059	STWTP FILTER 5W FILTER TO WASTE 24 in BFV (FTW-11)	REPLACEMENT	\$ 19,500	
29	2022	AP50060	STWTP FILTER 4W FILTER TO WASTE 24 in BFV (FTW-10)	REPLACEMENT	\$ 19,500	
30	2022	AP50061	STWTP FILTER 3W FILTER TO WASTE 24 in BFV (FTW-9)	REPLACEMENT	\$ 19,500	
31	2022	AP50062	STWTP FILTER 2W FILTER TO WASTE 24 in BFV (FTW-8)	REPLACEMENT	\$ 19,500	
32	2022	AP50063	STWTP FILTER 1W FILTER TO WASTE 24	REPLACEMENT	\$ 19,500	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			in BFV (FTW-7)			
33	2022	AP52029	STWTP FILTER 3E FILTERED WATER FLOWMETER (FW-3)	REPLACEMENT	\$ 4,050	SHOULD THIS BE DONE WITH THE FILTER CAPITAL WORK? EAST FILTERS ARE SCHEDULED FOR FY 23; WEST IS SCHEDULED FOR FY22
34	2022	AP67367	STWTP FILTER #1 WEST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
35	2022	AP67368	STWTP FILTER #2 WEST MEDIA	REPLACE MEDIA: INSPECT & REPLACE NOZZLES AS NEEDED - DISTRICT/CONSULTANT EFFORT.	\$ 300,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
36	2022	AP67368	STWTP FILTER #2 WEST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	
37	2022	AP67369	STWTP FILTER #3 WEST MEDIA	REPLACE MEDIA: INSPECT & REPLACE NOZZLES AS NEEDED - DISTRICT/CONSULTANT EFFORT.	\$ 230,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
38	2022	AP67370	STWTP FILTER #4 WEST MEDIA	REPLACE MEDIA: INSPECT & REPLACE NOZZLES AS NEEDED - DISTRICT/CONSULTANT EFFORT.	\$ 300,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
39	2022	AP67370	STWTP FILTER #4 WEST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	
40	2022	AP67371	STWTP FILTER #5 WEST MEDIA	REPLACE MEDIA: INSPECT & REPLACE NOZZLES AS NEEDED - DISTRICT/CONSULTANT EFFORT.	\$ 230,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
41	2022	AP67372	STWTP FILTER #6 WEST MEDIA	REPLACE MEDIA: INSPECT & REPLACE NOZZLES AS NEEDED - DISTRICT/CONSULTANT EFFORT.	\$ 230,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
42	2022	AP30476	SEDIMENT RAKE DRIVE (ME 40-41)	REPLACE MECHANICAL DRIVE	\$ 18,750	REPLACE DRIVE 30YR; REHAB 15 YRS
43	2022	AP30477	STWTP SEDIMENT RAKE DRIVE MOTOR (ME 40-41)	REPLACEMENT	\$ 2,890	
44	2022	AP30483	SEDIMENT RAKE DRIVE (ME 43-44)	REPLACE MECHANICAL DRIVE	\$ 18,750	REPLACE DRIVE 30YR; REHAB 15 YRS
45	2022	AP30484	STWTP SEDIMENT RAKE DRIVE MOTOR ME 43-44	REPLACEMENT	\$ 2,890	
46	2022	AP30485	SEDIMENT RAKE DRIVE (ME 45-46)	REPLACE MECHANICAL DRIVE	\$ 18,750	REPLACE DRIVE 30YR; REHAB 15 YRS
47	2022	AP30486	STWTP SEDIMENT RAKE DRIVE MOTOR ME 45-46	REPLACEMENT	\$ 2,890	
48	2022	AP30680	STWTP FLOC MIXER DRIVE MOTOR 1ST STG MX-25	REPLACEMENT	\$ 2,890	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
49	2022	AP30685	STWTP FLOC MIXER 2ND STG MX-28	REPLACEMENT	\$ 42,000	
50	2022	AP30686	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-28	REPLACEMENT	\$ 2,890	
51	2022	AP30687	STWTP FLOC MIXER 2ND STG MX-29	REPLACEMENT	\$ 42,000	
52	2022	AP30688	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-29	REPLACEMENT	\$ 2,890	
53	2022	AP30689	STWTP FLOC MIXER 3RD STG MX-30	REPLACEMENT	\$ 42,000	
54	2022	AP30690	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-30	REPLACEMENT	\$ 2,890	
55	2022	AP30691	STWTP FLOC MIXER 3RD STG MX-31	REPLACEMENT	\$ 42,000	
56	2022	AP30692	STWTP FLOC MIXER DRIVE MOTOR	REPLACEMENT	\$ 2,890	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			3RD STG MX-31			
57	2022	AP30693	STWTP FLOC MIXER 3RD STG MX-32	REPLACEMEN T	\$ 42,000	
58	2022	AP30694	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-32	REPLACEMEN T	\$ 2,890	
59	2022	AP30698	STWTP FLOC MIXER 1ST STG MX-34	REPLACEMEN T	\$ 42,000	
60	2022	AP30699	STWTP FLOC MIXER DRIVE MOTOR 1ST STG MX-34	REPLACEMEN T	\$ 2,890	
61	2022	AP30700	STWTP FLOC MIXER 1ST STG MX-35	REPLACEMEN T	\$ 42,000	
62	2022	AP30701	STWTP FLOC MIXER DRIVE MOTOR 1ST STG MX-35	REPLACEMEN T	\$ 2,890	
63	2022	AP30702	STWTP FLOC MIXER 2ND STG MX-36	REPLACEMEN T	\$ 42,000	
64	2022	AP30703	STWTP FLOC MIXER DRIVE	REPLACEMEN T	\$ 2,890	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			MOTOR 2ND STG MX-36			
65	2022	AP30704	STWTP FLOC MIXER 2ND STG MX-37	REPLACEMEN T	\$ 42,000	
66	2022	AP30705	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-37	REPLACEMEN T	\$ 2,890	
67	2022	AP30706	STWTP FLOC MIXER 2ND STG MX-38	REPLACEMEN T	\$ 42,000	
68	2022	AP30707	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-38	REPLACEMEN T	\$ 2,890	
69	2022	AP30708	STWTP FLOC MIXER 3RD STG MX-39	REPLACEMEN T	\$ 42,000	
70	2022	AP30709	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-39	REPLACEMEN T	\$ 2,890	
71	2022	AP30710	STWTP FLOC MIXER 3RD STG MX-40	REPLACEMEN T	\$ 42,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
72	2022	AP30711	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-40	REPLACEMEN T	\$ 2,890	
73	2022	AP30712	STWTP FLOC MIXER 3RD STG MX-41	REPLACEMEN T	\$ 42,000	
74	2022	AP30713	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-41	REPLACEMEN T	\$ 2,890	
75	2022	AP30725	STWTP FLOC MIXER 1ST STG MX-7	REPLACEMEN T	\$ 42,000	
76	2022	AP30726	STWTP FLOC MIXER DRIVE MOTOR 1ST STG MX-7	REPLACEMEN T	\$ 2,890	
77	2022	AP30746	STWTP FLOC MIXER 1ST STG MX-17	REPLACEMEN T	\$ 42,000	
78	2022	AP30747	STWTP FLOC MIXER DRIVE MOTOR 1ST STG MX-17	REPLACEMEN T	\$ 2,890	
79	2022	AP50118	STWTP SETTLED WATER TRANSITIO N; BURIED	REPLACEMEN T	\$ 220,000	PERFORM CONDITION ASSESSMENT

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			84 in BFV (SW-84 in-WEST)			
80	2022	AP66911	STWTP FLOC MIXER 1ST STG MX-25	REPLACEMENT	\$ 42,000	
81	2022	AP30184	STWTP PANELBOARD-TSB AUTO TRANSFER SWITCH (ATS-1)	REPLACEMENT	\$ 15,000	AM TO WORK WITH JAMES ON COMBINING ALL MCC REPLACEMENT IN A SMALL CAPITOL PROJECT
82	2022	AP45051	STWTP LOCAL CONTROL PANEL (LP-11) - OZONE GEN ELEC ROOM	REPLACEMENT - PLC, CONTRACTOR	\$ 36,000	
83	2022	AP45052	STWTP LOCAL CONTROL PANEL (LP-12) - OZONE GEN ELEC ROOM	REPLACEMENT -PLC, CONTRACTOR	\$ 36,000	
84	2022	AP45074	STWTP SUPP NITROGEN SYSTEM LOCAL CONTROL PANEL (SGCP) - OZONE GEN MECH ROOM	REPLACEMENT -PLC, CONTRACTOR	\$ 36,000	
85	2022	AP45181	STWTP WWC MAIN CONTROL PANEL (WWCCP)	REPLACEMENT -PLC, CONTRACTOR	\$ 36,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
86	2022	AP50916	STWTP PANELBOARD-TSB AUTO TRANSFER SWITCH (ATS-2)	REPLACEMENT	\$ 15,000	
87	2022	AP50917	STWTP PANELBOARD-TSB AUTO TRANSFER SWITCH (ATS-3)	REPLACEMENT	\$ 15,000	
88	2022	AP50918	STWTP PANELBOARD-TSB AUTO TRANSFER SWITCH (ATS-4)	REPLACEMENT	\$ 15,000	
89	2022	AP52060	STWTP MAIN SWITCHGEAR (MSG-21KV)	INSPECTION:	\$ 4,444	
90	2022	AP68058	STWTP GENERATOR LINEUP CONTROL PANELS (GSB)	INSPECTION:	\$ 4,444	
91	2022	AP54390	STWTP NONIONIC POLY BLEND PUMP #1	REPLACEMENT	\$ 10,500	
92	2022	AP42794	STWTP EOZ OZONATED DRAIN PUMP (SOWP-01)	REHABILITATION -STD REBUILD	\$ 6,650	REPLACE 30YR, REHAB 15YR;

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
93	2022	AP45025	STWTP OZQ LOCAL CONTROL PANEL (OQACP)	REPLACEMENT (PCP & BCP), CONTRACTOR	\$ 36,000	plc 12yr replc, l/o drop=15 yr replc, housing = 50 yr repl (depends on inspection)/ check off list; plc or i/op?
94	2022	PHANTO M2	GRAYSTON PUMP ELECTRICAL TESTING	CONTRACT COST	\$ 7,000	CONTRACT COST VARIES FOR FACILITY YEARLY
95	2022	PHANTO M2	STWTP ELECTRICAL TESTING	CONTRACT COST	\$ 35,000	
96	2022	PHANTO M2	STWTP ELECTRICAL TESTING	DISTRICT LABOR	\$ 12,000	
97	2022	PHANTO M2	STWTP WEST FILTER # 5 BACKWASH VALVE ACTUATOR (V-F-11)			REPLACE 20 YR
98	2022	PHANTO M2	STWTP WEST FILTER # 6 BACKWASH VALVE ACTUATOR (V-F-12)			REPLACE 20 YR
99	2022	AP54226	STWTP PLANT WATER PUMP DRIVE MOTOR #1 P-12	REHABILITATION -BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 4,800	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
100	2022	AP44032	STWTP_A (iFix SCADA NODE)	REPLACEMENT: PC (WORK STATION)?	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SERVERS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
101	2022	AP44033	STWTP_B (iFix SCADA NODE)	REPLACEMENT: PC (WORK STATION)?	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SERVERS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
102	2022	AP44034	STWTP_H (iFix SCADA HISTORICAL VIEW NODE)	REPLACEMENT: PC (WORK STATION)?	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SERVERS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
103	2022	AP44035	STWTP_PGR (iFix SCADA PAGER VIEW NODE)	REPLACEMENT	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SERVERS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
104	2022	AP44038	STWTP_A_WINDOVS 2000 SERVER (SCADA)	REPLACEMENT	IT BUDGET	
105	2022	AP44039	STWTP_A_i Fix 3.5 HMI SOFTWARE (SCADA)	REPLACEMENT	IT BUDGET	
106	2022	AP44040	STWTP_A_ MODICON I/O DRIVERS (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SOFTWARE TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
107	2022	AP44041	STWTP_B_ WINDOVS 2000 SERVER (SCADA)	REPLACEMENT	IT BUDGET	
108	2022	AP44042	STWTP_B_i Fix 3.5 HMI SOFTWARE (SCADA)	REPLACEMENT	IT BUDGET	
109	2022	AP44043	STWTP_B_ MODICON I/O DRIVERS (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SOFTWARE TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
110	2022	AP44044	STWTP_H_WINDOWS 2000 SERVER (SCADA)	REPLACEMENT	IT BUDGET	
111	2022	AP44045	STWTP_H_i Fix 3.5 HMI SOFTWARE (SCADA)	REPLACEMENT	IT BUDGET	
112	2022	AP44046	STWTP_H_REPORT MANAGER SOFTWARE (SCADA)	REPLACEMENT	IT BUDGET	
113	2022	AP44047	STWTP_PGR_WINDOW S 2000 CLIENT OPERATING SYSTEM (SCADA)	REPLACEMENT	IT BUDGET	
114	2022	AP44048	STWTP_PGR_iFix 3.5 HMI SOFTWARE (SCADA)	REPLACEMENT	IT BUDGET	
115	2022	AP44049	STWTP_PGR_TELEDEC PAGER SOFTWARE (SCADA)	REPLACEMENT	IT BUDGET	
116	2022	AP44051	STWTP_PGR_U.S. ROBOTIC FAX MODEM SOFTWARE (SCADA)	REPLACEMENT	IT BUDGET	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
117	2022	AP44052	STWTP_PL C_WINDOW S 2000 PROFESSIO NAL (SCADA)	REPLACEMEN T (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL PLC PROGRAMMING COMPUTER HQW AND SW ITEMS TO BE COMBINED INTO ONE
118	2022	AP44053	STWTP_PL C_CONCEP T SOFTWARE (SCADA)	REPLACEMEN T (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL PLC PROGRAMMING COMPUTER HQW AND SW ITEMS TO BE COMBINED INTO ONE
119	2022	AP44078	STWTP_1 (iFix SCADA SENIOR OPERATOR 1 VIEW NODE)	REPLACEMEN T: PC (WORK STATION)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI WORKSTATIONS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES. ASK JAMES WHY THIS MIGHT REQUIRE TWO ACTIVITIES. ONE FOR SOFTWARE AND ONE FOR HARDWARE?

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
120	2022	AP44079	STWTP_2 (iFix SCADA SENIOR OPERATOR 2 VIEW NODE)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI WORKSTATIONS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
121	2022	AP44080	STWTP_3 (iFix SCADA ASSISTANT OPERATOR VIEW NODE)	REPLACEMENT	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI WORKSTATIONS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
122	2022	AP44081	STWTP_4 (iFix SCADA LAB OPERATOR VIEW NODE)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI WORKSTATIONS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
123	2022	AP44082	STWTP_1_ WINDOWS 2000 CLIENT OPERATING SYSTEM (SCADA)	REPLACEMENT - SOFTWARE	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI WORKSTATIONS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
124	2022	AP44083	STWTP_1_i Fix 3;5 HMI SOFTWARE (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SOFTWARE TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
125	2022	AP44084	STWTP_1_ MULTI-MONITORS (SCADA)	REPLACEMENT	IT BUDGET	
126	2022	AP44085	STWTP_2_ WINDOWS 2000 CLIENT OPERATING SYSTEM (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI WORKSTATIONS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
127	2022	AP44086	STWTP_2_i Fix 3.5 HMI SOFTWARE (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SOFTWARE TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
128	2022	AP44087	STWTP_3_ WINDOWS 2000 CLIENT OPERATING SYSTEM (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI WORKSTATIONS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
129	2022	AP44088	STWTP_3_i Fix 3.5 HMI SOFTWARE (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SOFTWARE TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
130	2022	AP44089	STWTP_4_ WINDOWS 2000 CLIENT OPERATING SYSTEM (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI WORKSTATIONS TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD -

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
						WILL WORK WITH JAMES.
131	2022	AP44090	STWTP_4_i Fix 3.5 HMI SOFTWARE (SCADA)	REPLACEMENT (SOFTWARE)	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule) ALL HMI SOFTWARE TO BE COMBINED INTO A SINGLE ASSET MOVING FORWARD - WILL WORK WITH JAMES.
132	2022	AP44138	STWTP_CO MPUTER SERVER RACK (SCADA)	REPLACEMENT	IT BUDGET	
133	2022	AP44141	STWTP_DC _DOMAIN CONTROLLER (SCADA)	REPLACEMENT	IT BUDGET	planned replacement/ upgrade in FY18 (but keep in FY19 in case needed/ not completed on current schedule)
134	2022	AP44142	STWTP_DC _WINDOWS 2000 SERVER (SCADA)	REPLACEMENT	IT BUDGET	
135	2022	AP30460	STWTP SLUDGE TRANSFER PUMP DRIVE MOTOR #1 P-6	REPLACEMENT	\$ 7,000	REPLACE 20YR; REHAB: brgs. Seals; clean; bake; paint & test 10YR

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
136	2022	AP30462	STWTP SLUDGE TRANSFER PUMP DRIVE MOTOR #2 P-7	REPLACEMENT	\$ 7,000	REPLACE 20YR; REHAB: brgs. Seals; clean; bake; paint & test 10YR
137	2022	AP30497	STWTP SLUDGE CROSS COLLECTOR DRIVE MOTOR ME-32	REPLACEMENT	\$ 2,890	
138	2022	AP30505	STWTP SLUDGE CROSS COLLECTOR ME-37	REPLACEMENT - DRIVE & AUGER	\$ 67,500	REPLACE DRIVE & AUGER 30 YR; REHAB DRIVE 15 YR;
139	2022	AP42754	STWTP SLUDGE DECANT LINE	INSPECTION - VISUAL INSPECTION AND SOUNDING.	\$ 28,900	REHAB 20 YR, INSPECT 10 YR;
140	2022	AP42754	STWTP SLUDGE DECANT LINE (DEPENDS ON INSPECTION)	THIS ACTIVITY IS ADDITIVE TO VAULT REHAB; PIPELINE REHAB; AND INSPECTION COSTS. BASIC COST TO DEWATER AND REFILL PIPELINE.	\$ 500,000	REHAB 20 YR, INSPECT 10 YR;
141	2022	AP67224	STWTP SLUDGE CROSS COLLECTOR ME-32	REPLACEMENT - DRIVE & AUGER	\$ 67,500	REPLACE DRIVE & AUGER 30 YR; REHAB DRIVE 15 YR;
142	2022	AP67225	SLUDGE CROSS COLLECTOR DRIVE	REPLACEMENT	\$ 2,890	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			MOTOR ME-37			
143	2022	AP30112	STWTP CAUSTIC STORAGE TANK	INSPECTION: INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	
144	2022	AP30138	STWTP OCL STORAGE TANK #1	COAT	\$ 15,000	
145	2022	AP30141	STWTP OCL STORAGE TANK #2	COAT	\$ 5,000	
146	2022	AP30144	STWTP OCL STORAGE TANK #3	INTEGRITY INSPECTION (I) (UT) + CLEANING AND REPAIRS	\$ 12,000	
147	2022	AP30144	STWTP OCL STORAGE TANK #3	REPLACE LINER	\$ 25,000	
148	2022	AP30146	STWTP OCL TRANSFER PUMP #3	REPLACEMENT	\$ 12,000	
149	2022	AP30815	STWTP OCL Piping	REPLACEMENT	\$ 50,000	CONTRACT WORK OUT; AM TO INVESTIGATE MAINT STRATEGY FOR PVC PIPE;
150	2022	AP42838	STWTP SULFURIC ACID STORAGE TANK (HORIZONTAL 17;000 GAL) (SSAT-01)	INSPECTION: INSPECTION (E)(UT) (LT)	\$ 5,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
151	2022	AP45154	STWTP SULFURIC ACID CHEMICAL FEED PUMP #1 (SSAP01)	REPLACEMENT	\$ 6,750	
152	2022	AP45156	STWTP SULFURIC ACID CHEMICAL FEED PUMP #2 (SSAP02)	REPLACEMENT	\$ 6,750	
153	2022	AP45157	STWTP SULFURIC ACID CHEMICAL FEED PUMP #3 (SSAP03)	REPLACEMENT	\$ 6,750	
154	2022	AP54236	STWTP SUMP PUMP EAST FILTER GALLERY P-37	REPLACEMENT	6000	
155	2022	AP68432	STWTP SUMP PUMP EAST FILTER GALLERY P-38	REPLACEMENT	6000	
156	2022	AP45175	STWTP WWC RETURN PUMP #1; MOTOR VFD-11	REPLACEMENT	\$ 8,250	DEPENDS ON CONDITION ASSESSMENT;
157	2022	AP45176	STWTP WWC RETURN PUMP #2; MOTOR VFD-12	REPLACEMENT	\$ 8,250	DEPENDS ON CONDITION ASSESSMENT;

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
158	2022	AP45177	STWTP WWC RETURN PUMP #3; MOTOR VFD-13	REPLACEMENT	\$ 8,250	DEPENDS ON CONDITION ASSESSMENT;
159	2022	AP45178	STWTP WWC RETURN PUMP #4; MOTOR VFD-14	REPLACEMENT	\$ 8,250	DEPENDS ON CONDITION ASSESSMENT;
160	2022	AP46000	STWTP WWC POLY BLEND PUMP #1	REPLACEMENT	\$ 10,500	
161	2022	AP46001	STWTP WWC POLY BLEND PUMP #2	REPLACEMENT	\$ 10,500	
162	2022	AP54222	STWTP STREAMING CURRENT DETECTOR	REPLACEMENT	\$ 5,400	
163	2022	AP54228	STWTP LAB WEST FILTERED TURBIDIMETER	REPLACEMENT	\$ 5,625	
164	2022	AP54229	STWTP LAB EAST FILTERED TURBIDIMETER	REPLACEMENT	\$ 5,625	
165	2022	AP54230	STWTP LAB WEST SETTLED TURBIDIMETER	REPLACEMENT	\$ 5,625	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
166	2022	AP54231	STWTP LAB EAST SETTLED TURBIDIMETER	REPLACEMENT	\$ 5,625	
167	2022	AP54247	STWTP 2100N TURBIDIMETER - BENCHTOP	REPLACEMENT	\$ 5,625	
168	2022	AP30619	STWTP ZINC PHOSPHORIC ACID METER PUMP MOTOR #1	REPLACEMENT	\$ 1,275	
169	2022	AP30866	STWTP ZINC/PHOSPHORIC ACID METER PUMP MOTOR #1 VFD FD-15	REPLACEMENT	\$ 3,000	
170	2022	AP30867	STWTP ZINC/PHOSPHORIC ACID METER PUMP MOTOR #2 VFD FD-16	REPLACEMENT	\$ 3,000	
171	2022	AP66785	STWTP PHOSPHORIC ACID STORAGE TANK	INSPECTION: INSPECTION (E)	\$ 4,000	
172	2022	AP66785	STWTP PHOSPHORIC ACID STORAGE TANK	INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS	\$ 12,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
173	2023	AP30050	STWTP AQUA NH4 STORAGE TANK	INTEGRITY INSPECTION (I)(E)(UT)(LT) + CLEANING	\$ 25,000	PRESS (SP001 & API) LRG - SPECIAL / INSPECTOR NEEDS TO PROVIDE INTERNAL INSPECTION FREQUENCY RECOMMENDATIONS BASED ON THE THICKNESS DATA
174	2023	AP30061	STWTP BACKWASH PUMP #2 (P- 10)	REPLACEMEN T	\$ 142,500	DEPENDS ON CONDITION ASSESSMENT
175	2023	AP30062	STWTP BACKWASH PUMP #2 (P- 10) DRIVE MOTOR	REPLACEMEN T	\$ 98,400	DEPENDS ON CONDITION ASSESSMENT
176	2023	AP68425	STWTP BACKWASH PUMP #2 (P- 10)	REPLACEMEN T:	\$ 142,500	
177	2023	AP30329	STWTP CATIONIC POLY MIXING TANK #10	EXTERNAL INSPECTION	\$ 1,000	REPLACE 40YR; INSPECT (E) 5YR; INTERNAL (20YR); COAT 20YR;
178	2023	AP30331	STWTP CATIONIC POLY MIXING TANK #11	EXTERNAL INSPECTION	\$ 1,000	REPLACE 40YR; INSPECT (E) 5YR; INTERNAL (20YR); COAT 20YR;
179	2023	AP30203	STWTP FILTER #1 EAST	INSPECTION: INSPECT STRUCTURE AND COATING IF APPLICABLE WHEN FILTER MEDIA IS REMOVED - DISTRICT/CON SULTANT EFFORT;	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				MINOR REPAIRS		
180	2023	AP30213	STWTP FILTER #2 EAST	INSPECTION: INSPECT STRUCTURE AND COATING IF APPLICABLE WHEN FILTER MEDIA IS REMOVED - DISTRICT/CONSULTANT EFFORT; MINOR REPAIRS	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
181	2023	AP30232	STWTP FILTER #4 EAST	INSPECTION: INSPECT STRUCTURE AND COATING IF APPLICABLE WHEN FILTER MEDIA IS REMOVED - DISTRICT/CONSULTANT EFFORT; MINOR REPAIRS	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
182	2023	AP30234	STWTP EAST FILTER #4 EFFLUENT VALVE ACTUATOR (V-F-57)	REPLACEMENT	\$ 10,050	RESCHEDULED FROM FY17

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
183	2023	AP30242	STWTP FILTER #5 EAST	INSPECTION: INSPECT STRUCTURE AND COATING IF APPLICABLE WHEN FILTER MEDIA IS REMOVED - DISTRICT/CONSULTANT EFFORT; MINOR REPAIRS	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
184	2023	AP30244	STWTP EAST FILTER #5 EFFLUENT VALVE ACTUATOR (V-F-58)	REPLACEMENT	\$ 10,050	RESCHEDULED FROM FY17

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
185	2023	AP30252	STWTP FILTER #6 EAST	INSPECTION: INSPECT STRUCTURE AND COATING IF APPLICABLE WHEN FILTER MEDIA IS REMOVED - DISTRICT/CONSULTANT EFFORT; MINOR REPAIRS	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR; TO BE DONE BY A CONTRACTOR; THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
186	2023	AP30254	STWTP EAST FILTER #6 EFFLUENT VALVE ACTUATOR (V-F-59)	REPLACEMENT	\$ 10,050	RESCHEDULED FROM FY17

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
187	2023	AP30838	STWTP FILTER #3 EAST (REMINDER)	REHABILITATION - BLAST; REPAIR AND COAT; DONE ON A YEAR THE MEDIA IS REPLACED.	\$ 200,000	REHAB 25YR; INSPECT 10YR, REPLACE MEDIA 10YR; REPLACE 50YR
188	2023	AP50064	STWTP FILTER 1E FILTER TO WASTE 24 in BFV (FTW-1)	REPLACEMENT	\$ 19,500	
189	2023	AP50065	STWTP FILTER 2E FILTER TO WASTE 24 in BFV (FTW-2)	REPLACEMENT	\$ 19,500	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
190	2023	AP50066	STWTP FILTER 3E FILTER TO WASTE 24 in BFV (FTW-3)	REPLACEMENT	\$ 19,500	
191	2023	AP50067	STWTP FILTER 4E FILTER TO WASTE 24 in BFV (FTW-4)	REPLACEMENT	\$ 19,500	
192	2023	AP50068	STWTP FILTER 5E FILTER TO WASTE 24 in BFV (FTW-5)	REPLACEMENT	\$ 19,500	
193	2023	AP50069	STWTP FILTER 6E FILTER TO WASTE 24 in BFV (FTW-6)	REPLACEMENT	\$ 19,500	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
194	2023	AP67361	STWTP FILTER #1 EAST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
195	2023	AP67362	STWTP FILTER #2 EAST MEDIA	REPLACE MEDIA: INSPECT & REPLACE NOZZLES AS NEEDED - DISTRICT/CONSULTANT EFFORT.	\$ 300,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
196	2023	AP67362	STWTP FILTER #2 EAST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
197	2023	AP67363	STWTP FILTER #3 EAST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
198	2023	AP67364	STWTP FILTER #4 EAST MEDIA	REPLACE MEDIA: INSPECT & REPLACE NOZZLES AS NEEDED - DISTRICT/CONSULTANT EFFORT.	\$ 300,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
199	2023	AP67364	STWTP FILTER #4 EAST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	
200	2023	AP67365	STWTP FILTER #5 EAST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
201	2023	AP67366	STWTP FILTER #6 EAST MEDIA	REPLACE MEDIA: INSPECT & REPLACE NOZZLES AS NEEDED - DISTRICT/CONSULTANT EFFORT.	\$ 300,000	THE FILTERS WILL BE WORK IN THE FOLLOWING ORDER: 1W, 3W, 4W & 6W IN FY22, AND 1E, 2E, 3E, 4E, 5E & 6E IN FY23.
202	2023	AP67366	STWTP FILTER #6 EAST MEDIA	REPLACEMENT: MEDIA \$203,000; LABOR/DELIVERY (\$27,000); NOZZLES CAN BE CHECKED WHEN THE MEDIA IS REMOVED EVERY 10 YRS.	\$ 230,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
203	2023	AP30735	STWTP FLOC MIXER 3RD STG MX-12	REPLACEMENT	\$ 42,000	
204	2023	AP30736	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-12	REPLACEMENT	\$ 2,890	
205	2023	AP30737	STWTP FLOC MIXER 3RD STG MX-13	REPLACEMENT	\$ 42,000	
206	2023	AP30738	STWTP FLOC MIXER 3RD STG MX-14	REPLACEMENT	\$ 42,000	
207	2023	AP30739	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-13	REPLACEMENT	\$ 2,890	
208	2023	AP30740	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-14	REPLACEMENT	\$ 2,890	
209	2023	AP30754	STWTP FLOC MIXER 3RD STG MX-21	REPLACEMENT	\$ 42,000	
210	2023	AP30755	STWTP FLOC MIXER DRIVE MOTOR	REPLACEMENT	\$ 2,890	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			3RD STG MX-21			
211	2023	AP30756	STWTP FLOC MIXER 3RD STG MX-22	REPLACEMEN T	\$ 42,000	
212	2023	AP30757	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-22	REPLACEMEN T	\$ 2,890	
213	2023	AP30758	STWTP FLOC MIXER 3RD STG MX-23	REPLACEMEN T	\$ 42,000	
214	2023	AP30759	STWTP FLOC MIXER DRIVE MOTOR 3RD STG MX-23	REPLACEMEN T	\$ 2,890	
215	2023	AP30429	GRAYSTON E PUMP P- 21 DRIVE MOTOR	REPLACE	\$ 60,000	REHAB 15YR; REPLACE 30YR
216	2023	AP42837	STWTP HP SPILL TANK (API TANK) VERTICAL	EXTERNAL INSPECTION	\$ 1,000	NEED A PHOTO OF THE TANK PLATE
217	2023	AP45081	STWTP MAIN SWITCHBO ARD A - OZONE GEN ELEC ROOM	INSPECTION:	\$ 4,444	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
218	2023	AP45082	STWTP MAIN SWITCHBOARD B - OZONE GEN ELEC ROOM	INSPECTION:	\$ 4,444	
219	2023	AP52045	STWTP OPS BLDG; ROOM 108; UPS SYSTEM	INSPECTION: INSPECT AND REPLACE BATTERIES	\$ 1,000	
220	2023	AP30341	STWTP BULK NEAT NONIONIC POLY STORAGE MIXING TANK #12	INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS; 20YR; \$12,000	\$ 12,000	REPLACE 40YR; INSPECT (E) 5YR; INTERNAL 20YR; COAT 20YR;
221	2023	AP30342	STWTP BULK NEAT NONIONIC POLY STORAGE(TANK 12) MIXER	VIBRATION TEST & REPLACE IF NEEDED : REPLACEMENT - REPLACE DRIVE, SPROCKETS AND MIXER IF NEEDED	\$ 11,250	WAS NOT NEEDED IN FY19; PUSHED OUT
222	2023	AP30343	STWTP BULK NEAT NONIONIC POLY TANK#12 MIX MOTOR	VIBRATION TEST & REPLACE IF NEEDED : REPLACEMENT	\$ 2,890	1 HP MOTOR; Did not need replacement in FY19; Review in FY23
223	2023	AP30344	STWTP NONIONIC POLY DAY TANK #13 (MX-3)	EXTERNAL INSPECTION	\$ 1,000	REPLACE 40YR; INSPECT (E) 5YR; INTERNAL (20YR); COAT 20YR;

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
224	2023	AP42810	STWTP OZONE GENERATOR SHELL UNIT #1 (SOZOG01)	REHABILITATION - CLEAN & REPLACE DIELECTRICS	\$ 23,750	INSPECTED IN FY19, REPLACEMENT NOT NEEDED. MOVE TO FY23
225	2023	AP42811	STWTP OZONE GENERATOR SHELL UNIT #2 (SOZOG02)	REHABILITATION - CLEAN & REPLACE DIELECTRICS	\$ 23,750	INSPECTED IN FY19, REPLACEMENT NOT NEEDED. MOVE TO FY23
226	2023	PHANTO M13	STWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATION COST:	\$ 5,000	
227	2023	PHANTO M17	STWTP CROSS CONNECTION SURVEY	ADMINISTRATION COST:	\$ 10,000	
228	2023	PHANTO M2	STWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATION COST	\$ 5,000	
229	2023	AP54227	STWTP PLANT WATER PUMP #1 P-12	REPLACEMENT	\$ 26,250	Possible rehab, depends on performance testing.
230	2023	AP54194	STWTP SLUDGE DECANT RETURN PUMP #1 P-22 MOTOR	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 2,000	
231	2023	AP30116	STWTP CAUSTIC METER PUMP MOTOR #1 FD-10	REPLACEMENT	\$ 1,275	THIS PUMP IS SCHEDULED FOR REPLACEMENT IN FY19, WILL THE MOTOR BE REPLACED IN F19 ALSO?

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
232	2023	AP30118	STWTP CAUSTIC METER PUMP MOTOR #2 FD-11	REPLACEMENT	\$ 1,275	THIS PUMP IS SCHEDULED FOR REPLACEMENT IN FY19, WILL THE MOTOR BE REPLACED IN F19 ALSO?
233	2023	AP30119	STWTP CAUSTIC METER PUMP #3 FD-12	REPLACEMENT	\$ 6,750	
234	2023	AP30120	STWTP CAUSTIC METER PUMP MOTOR #3 FD-12	REPLACEMENT	\$ 1,275	
235	2023	AP30339	SWT-MT-MIX-30; SPARE CHEMICAL DRY POLY MIXING TANK #9 (MX-4)	INSPECTION: INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	4000	
236	2023	AP50617	STWTP SPARE CHEMICAL TANK T-6	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT) ; 5YR;	\$ 5,000	EXTERNAL 5 YRS; INTERNAL 20 YRS; COAT 20YRS;
237	2023	AP42839	STWTP SULFURIC ACID SPILL TANK (VERTICAL 53 GAL) (SSAT-02)	INSPECTION: INSPECTION (E)(UT) (LT)	\$ 1,000	REPLACE 40YR; INSPECTION (E) 5YR; INTERNAL 10YR

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
238	2023	AP30816	STWTP SUMP PUMP EAST FILTER GALLERY P-39	REPLACEMENT	6000	
239	2023	AP54238	STWTP SUMP PUMP EAST FILTER GALLERY P-40	REPLACEMENT	6000	
240	2024	AP50927	STWTP AQUA NH4 STORAGE TANK CONTROL PANEL	REPLACEMENT (PCP & BCP), CONTRACTOR	\$ 36,000	
241	2024	AP50463	STWTP BACKWASH CONSTANT HEAD TANK	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PRESS (OSHA & ASME BOILER); FACILITIES HAS A CONTRACT FOR PRESSURE VESSEL TESTS
242	2024	AP52048	STWTP EMERGENCY GENERATOR DIESEL FUEL TANK 3;000 GAL BURIED	SECONDARY CONTAINMENT LEAK TESTING (VALVES & PIPING); 3YR; \$1000	\$ 1,000	
243	2024	AP30103	STWTP CARBON DUST COLLECT BLOW MOTOR NORTH ME-51	REPLACEMENT	\$ 2,210	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
244	2024	AP30105	STWTP CARBON MIXER GEARBOX - NORTH MX- 43	REHABILITATI ON	\$ 12,500	REPLACE 30 YR; REHAB 15 YR
245	2024	AP30106	STWTP CARBON MIXER DRIVE MOTOR - NORTH MX- 43	REPLACEMEN T	\$ 7,000	REPLACE 20 YR, REHAB 10 YR
246	2024	AP30108	STWTP CARBON DUST COLLECT BLOW MOTOR SOUTH ME- 50	REPLACEMEN T	\$ 2,210	
247	2024	AP30110	STWTP CARBON MIXER GEARBOX - SOUTH MX- 42	REHABILITATI ON	\$ 12,500	REPLACE 30 YR; REHAB 15 YR
248	2024	AP30111	STWTP CARBON MIXER DRIVE MOTOR - SOUTH MX- 42	REPLACEMEN T -MOTOR	\$ 7,000	REPLACE 20 YR, REHAB 10 YR
249	2024	AP43072	STWTP CARBON METER PUMP MOTOR #1 VFD FD-28	REPLACEMEN T	\$ 3,000	
250	2024	AP43073	STWTP CARBON METER PUMP	REPLACEMEN T	\$ 3,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			MOTOR #2 VFD FD-29			
251	2024	AP43074	STWTP CARBON METER PUMP MOTOR #3 VFD FD-30	REPLACEMEN T	\$ 3,000	
252	2024	AP30329	STWTP CATIONIC POLY MIXING TANK #10	INSPECTION: INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 1,000	
253	2024	AP30330	STWTP CATIONIC POLY TANK #10 MIXER (MX-1)	REPLACEMEN T - REPLACE DRIVE, SPROCKETS AND MIXER IF NEEDED	\$ 11,250	REPLACE 15 YR; REHAB 10YR
254	2024	AP30331	STWTP CATIONIC POLY MIXING TANK #11	INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS	\$ 17,000	REPLACE 40YR; INSPECT (E) 5YR; INTERNAL (20YR); COAT 20YR;
255	2024	AP30332	STWTP CATIONIC POLY TANK #11 MIXER (MX-2)	REPLACEMEN T - REPLACE DRIVE, SPROCKETS AND MIXER IF NEEDED	\$ 11,250	REPLACE 15 YR; REHAB 10YR
256	2024	AP30338	STWTP PEC CATIONIC POLY METER PUMP MOTOR #3 FD-24	REPLACEMEN T:	\$ 1,275	
257	2024	AP68536	STWP F&S WEST PUMP	REHABILITATI ON: SEALS; ETC.	10000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			MXER VAULT GAS MASTER DIFFUSER			
258	2024	AP30424	GRAYSTONE PUMP P-20 DRIVE MOTOR	REPLACE	\$ 60,000	REHAB 15YR; REPLACE 30YR
259	2024	AP30357	STWTP PROPANE TANK; 1000 GAL.- BOILER	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; A002117-09
260	2024	AP30362	STWTP AIR HANDLING UNIT #1 - MAIN (SA1)	REPLACEMENT: CONTRACTOR	\$ 30,000	
261	2024	AP30363	STWTP AIR HANDLING UNIT #2 - RETURN AIR (RA1)	REPLACEMENT: CONTRACTOR	\$ 30,000	
262	2024	AP30364	STWTP AIR HANDLING UNIT #3 - (SA2)	REPLACEMENT: CONTRACTOR	\$ 30,000	
263	2024	AP30365	STWTP AIR HANDLING UNIT #4 - (SA4)	REPLACEMENT: CONTRACTOR	\$ 30,000	
264	2024	AP30400	STWTP EXHAUST FAN #5 (EXH5) ANALYZER ROOM	REPLACEMENT:	\$ 3,000	FACILITIES WO

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
265	2024	AP30839	STWTP CHILLER	REPLACEMENT: CONTRACTOR	\$ 262,500	
266	2024	AP45000	STWTP LIQUID OXYGEN TANK #1	INSPECTION: INSPECITON (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	
267	2024	AP30169	STWTP GENERATOR LINEUP CONTROL PANELS (GSB)	REPLACEMENT: CONTRACTOR	\$ 200,000	
268	2024	AP30172	STWTP STANDBY GENERATOR #1 - COOLING FAN	REPLACEMENT:	\$ 3,000	
269	2024	AP30174	STWTP STANDBY GENERATOR UNIT #1 - GENERATOR UNIT	REPLACEMENT:	\$ 550,000	
270	2024	AP30177	STWTP STANDBY GENERATOR #2 - COOLING FAN	REPLACEMENT:	\$ 3,000	
271	2024	AP30179	STWTP STANDBY GENERATOR UNIT #2 - GENERATOR UNIT	REPLACEMENT:	\$ 550,000	
272	2024	AP30180	STWTP DIESEL FUEL DAY TANK -	REPLACEMENT:	\$ 11,200	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			GENERATOR			
273	2024	AP30199	STWTP OPS BLDG; COMPUTER RM 116; UPS SYSTEM	INSPECTION: INSPECT AND REPLACE BATTERIES	\$ 1,000	
274	2024	AP45047	STWTP OZONE GEN TRANSFORMER (XFMR-11)	REPLACEMENT: CONTRACTOR	\$ 60,000	DEPENDS ON CONTRACTOR'S TESTS
275	2024	AP45048	STWTP OZONE GEN TRANSFORMER (XFMR-12)	REPLACEMENT: CONTRACTOR	\$ 60,000	DEPENDS ON CONTRACTOR'S TESTS
276	2024	AP50708	STWTP BULK CHEMICAL STORAGE MUX #2 (UPS)	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
277	2024	AP50710	STWTP UPS IN MUX CABINET # 6	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
278	2024	AP50711	STWTP UPS IN MUX CABINET # 7	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
279	2024	AP50712	STWTP UPS IN MUX CABINET # 8	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
280	2024	AP50713	STWTP UPS IN MUX CABINET # 17	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
281	2024	AP50714	STWTP UPS IN MUX CABINET # 9	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
282	2024	AP50715	STWTP UPS IN MUX CABINET # 10	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
283	2024	AP50717	STWTP UPS IN MUX CABINET # 13	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
284	2024	AP50718	STWTP UPS IN PLC CABINET # 8	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
285	2024	AP50720	STWTP UPS NEXT TO I / O PANEL	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
286	2024	AP50723	STWTP UPS IN PLC CABINET # 10	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
287	2024	AP50724	STWTP UPS IN MUX CABINET # 16	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
288	2024	AP52060	STWTP MAIN SWITCHGEAR (MSG-21KV)	INSPECTION:	\$ 4,444	
289	2024	AP68058	STWTP GENERATOR LINEUP CONTROL PANELS (GSB)	INSPECTION:	\$ 4,444	
290	2024	AP68413	STWTP UPS IN MUX CABINET # 12	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
291	2024	AP68414	STWTP UPS IN MUX CABINET # 3	REHABILITATION: REPLACE BATTERIES AND INSPECT	\$ 1,000	
292	2024	AP30345	STWTP NONIONIC POLY DAY TANK #13 MIXER (MX-3)	REPLACEMENT - REPLACE DRIVE, SPROCKETS AND MIXER IF NEEDED	\$ 122,000	REPLACE 15 YR; REHAB 10YR
293	2024	AP30347	STWTP PEA-PEN NONIONIC POLY TRANSFER PUMP P-19	REPLACEMENT	\$ 6,750	
294	2024	AP30348	STWTP PEA-PEN NONIONIC POLY TRANSFER PUMP MOTOR P-19	REPLACEMENT	\$ 1,275	
295	2024	AP30350	STWTP PEA-PEN NONIONIC POLY METER PUMP MOTOR #1 FD-25	REPLACEMENT:	\$ 1,275	
296	2024	AP30352	STWTP PEA-PEN NONIONIC POLY METER PUMP MOTOR #2 FD-26	REPLACEMENT:	\$ 1,275	
297	2024	AP30353	STWTP PEA-PEN NONIONIC POLY METER	REPLACEMENT:	\$ 6,750	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			PUMP #3 FD-27			
298	2024	AP30354	STWTP PEA-PEN NONIONIC POLY METER PUMP MOTOR #3 FD-27	REPLACEMEN T:	\$ 1,275	
299	2024	AP66454	STWTP PEA PEN NON- IONIC POLY METER PUMP MOTOR #1 VFD FD-25	REPLACEMEN T:	\$ 3,000	
300	2024	AP66455	STWTP PEA PEN NON- IONIC POLY METER PUMP MOTOR #2 VFD FD-26	REPLACEMEN T:	\$ 3,000	
301	2024	AP66456	STWTP PEA PEN NON- IONIC POLY METER PUMP MOTOR #3 VFD FD-27	REPLACEMEN T:	\$ 3,000	
302	2024	AP54427	STWTP WOZ OFF GAS BLOWER # 3 (SOZGB03)	REHABILITATI ON: SEALS; ROTOR; GEARS	\$ 6,000	
303	2024	AP54428	STWTP WOZ OFF GAS BLOWER # 4 (SOZGB04)	REHABILITATI ON: SEALS; ROTOR; GEARS	\$ 6,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
304	2024	AP42793	STWTP WOZ OZONATED DRAIN PUMP (SOWP-04)	REHABILITATION -STD REBUILD	\$ 6,650	REHAB 15YR; REPLACE 30YR
305	2024	AP45285	OZONE GEN BLDG CLEAN AIR RECEIVER TANK (VERTICAL)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; L004549-09
306	2024	AP66474	STWTP OZONE AMBIENT MONITOR	REPLACEMENT:	\$ 9,375	
307	2024	AP66475	STWTP E OZONE BEFORE DESTRUCT MONITOR	REPLACEMENT:	\$ 9,375	
308	2024	AP66476	STWTP OZONE BEFORE DESTRUCT MONITOR (AE/AIT-701-WOZS)	REPLACEMENT:	\$ 9,375	
309	2024	AP66480	STWTP OZONE GEN BLDG AMBIENT OZONE SENSOR (AE-712)	REPLACEMENT:	\$ 9,375	
310	2024	AP66481	STWTP OZONE GEN BLDG AMBIENT OZONE SENSOR (AE-711)	REPLACEMENT:	\$ 9,375	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
311	2024	AP66482	STWTP OZONE AFTER DESTRUCT MONITOR (AE/AIT-751-WOZS)	REPLACEMENT:	\$ 9,375	
312	2024	PHANTOM2	GRAYSTON PUMP ELECTRICAL TESTING	ADMINISTRATION COST:	\$ 7,000	
313	2024	PHANTOM2	STWTP ELECTRICAL TESTING	ADMINISTRATION COST:	\$ 35,000	
314	2024	AP42739	STWTP AIR RECEIVER #1 - OGB MECH ROOM	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; A002019-09
315	2024	AP42740	STWTP AIR RECEIVER #2 - OGB MECH ROOM	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; A002018-09
316	2024	AP30414	STWTP PLANT WATER (HYDRO) TANK	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; L19-002940
317	2024	AP44030	STWTP_PL C_A (PROGRAM MABLE LOGIC CONTROLLER - SCADA)	REPLACEMENT: NOTE EQUIPMENT COST IS \$2000 JC 190903	\$ 4,500	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
318	2024	AP44031	STWTP_PL C_B (PROGRAM MABLE LOGIC CONTROLLER - SCADA)	REPLACEMENT: NOTE EQUIPMENT COST IS \$2000 JC 190903	\$ 4,500	
319	2024	AP44036	STWTP_PL C_COMPUTER (SCADA)	REPLACEMENT: NOTE EQUIPMENT COST IS \$2000 JC 190903	\$ 4,500	
320	2024	AP30459	STWTP SLUDGE TRANSFER PUMP #1 P-6	REPLACEMENT (BASED ON VIBRATION TEST)	\$ 30,000	REPLACE 25YR; REHAB 15YR: Need testing, they are in good shape
321	2024	AP30461	STWTP SLUDGE TRANSFER PUMP #2 P-7	REPLACEMENT (BASED ON VIBRATION TEST)	\$ 30,000	REPLACE 25YR; REHAB 15YR: Need testing, they are in good shape
322	2024	AP30510	STWTP SLUDGE DECANT PUMP #1 P-22	REPLACEMENT:	\$ 30,000	
323	2024	AP66452	STWTP SLUDGE GRAVITY VALVE (V-R-	REPLACEMENT:	\$ 9,375	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			11) 4506 2014			
324	2024	AP30144	STWTP OCL STORAGE TANK #3	INSPECTION: EXTERNAL VISUAL INSPECTION AND THICKNESS TESTING	\$ 5,000	
325	2024	AP30144	STWTP OCL STORAGE TANK #3	REHABILITATI ON: LINER REPLACEMEN T OR REPAIR	\$ 20,000	
326	2024	AP42838	STWTP SULFURIC ACID STORAGE TANK (HORIZONT AL 17;000 GAL) (SSAT- 01)	INSPECTION: INSPECTION (E)(UT) (LT)	\$ 5,000	
327	2024	AP67191	STWTP WWC LONGITUDI NAL COLLECTO R DRIVE SWWCSL02	REHABILITATI ON: REBUILD DRIVE	\$ 7,500	
328	2024	AP67192	STWTP WWC LONGITUDI NAL COLLECTO R DRIVE SWWCSL04	REHABILITATI ON: REBUILD DRIVE	\$ 7,500	
329	2024	AP30453	STWTP WASHWATE R RECOVERY POND EAST	INSPECTION: INSPECTION IS ONLY ACTIVITY, BUT SHOULD ALSO INCLUDE	\$ 12,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				REPLACEMENT, ACTIVITY IS INSPECTION BUT INCLUDES CLEAN AND REPAIR, 5/24/27, JAM		
330	2024	AP30456	STWTP WASHWATER RECOVERY POND WEST	INSPECTION: INSPECTION IS ONLY ACTIVITY, BUT SHOULD ALSO INCLUDE REPLACEMENT, ACTIVITY IS INSPECTION BUT INCLUDES CLEAN AND REPAIR, 5/24/27, JAM	\$ 12,000	
331	2024	AP66785	STWTP PHOSPHORIC ACID STORAGE TANK	INSPECTION: INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	\$ 4,000	
332	2024	MISSING	STWTP - PRESSURE VESSEL (200 PSI) - BACK WASH	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	PERMIT EXPIRES FY24; A19-295000
333	2024	Multiple	STWTP SLUDGE PONDS	POND CLEANING 5-6 PONDS	\$ 95,000 PER POND	PENDING CONIDTION PONDS 2-7
334	2025	AP42838	STWTP SULFURIC ACID STORAGE	INSPECTETION (E)	\$ 12,000	AN INTERNAL INSPECTION WAS DONE IN 2020 DUE TO

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			TANK (HORIZONTAL 17;000 GAL) (SSAT-01)			A LEAK; CORRECTIVE MAINTENANCE
335	2025	AP30854	STWTP ALUM FEEDER CONTROL PANEL LCP-1	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
336	2025	AP50923	STWTP ALUM STORAGE TANKS (1; 2; 3) CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
337	2025	AP30855	STWTP AMMONIA FEEDER CONTROL PANEL LCP-6	REPLACEMENT (PCP & BCP), CONTRACTOR	\$ 36,000	
338	2025	AP30081	STWTP WEST FILTER #1 BACKWASH	REPLACEMENT:	\$ 12,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			VALVE (V-F-7)			
339	2025	AP52048	STWTP EMERGENCY GENERATOR DIESEL FUEL TANK 3;000 GAL BURIED	INSPECTION: MONITORING SYSTEM & SPILL CONTIANMENT TESTING CERTIFICATION	\$ 1,000	
340	2025	AP30852	STWTP ELECTRIC GATE OPENER	REPLACEMENT: INSPECT AND REPLACE IF NEEDED	\$ 7,875	
341	2025	AP30886	STWTP CARBON MIXER CONTROL PANEL (LCP-42/43)	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
342	2025	AP30889	STWTP CARBON FEEDER CONTROL PANEL (LCP-19)	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION	\$ 36,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				NOTES 9/3/19 JC		
343	2025	AP30326	STWTP CATIONIC POLY STORAGE TANK	INSPECTION (E)(UT)	\$ 5,500	INSPECTION (E)(UT) 5YR; INTEGRITY INSPECTION (I)(E) + CLEANING 10YR; COAT 20YR; REPLACE 40 YR
344	2025	AP30334	STWTP PEC CATIONIC POLY METER PUMP MOTOR #1 FD-22	REPLACEMENT:	\$ 1,275	
345	2025	AP30857	STWTP CAT POLY FEEDER CONTROL PANEL LCP-3	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
346	2025	AP45280	STWTP CATIONIC POLY TANK #10 MIXER MOTOR (MX-1)	REPLACEMENT	\$ 2,890	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
347	2025	AP50928	STWTP CATIONIC POLY STORAGE TANK CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
348	2025	AP66763	STWTP PEC CATIONIC POLY METER PUMP #1 FD-22	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	\$ 6,750	
349	2025	AP66827	STWTP PEC CATIONIC POLY METER PUMP MOTOR #1 VFD FD-22	REPLACEMENT:	\$ 3,000	
350	2025	AP66828	STWTP PEC CATIONIC POLY METER PUMP MOTOR #2 VFD FD-23	REPLACEMENT:	\$ 3,000	
351	2025	AP66829	STWTP PEC CATIONIC POLY METER PUMP MOTOR #3 VFD FD-24	REPLACEMENT:	\$ 3,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
352	2025	AP30202	STWTP EAST FILTER 72 in ISOLATION VALVE ACTUATOR (V-F-68)	REPLACEMENT	\$ 20,250	
353	2025	AP30264	STWTP WEST FILTER 72 in ISOLATION VALVE ACTUATOR (V-F-34)	REPLACEMENT	\$ 20,250	
354	2025	AP30287	STWTP WEST FILTER #3 EFFLUENT VALVE ACTUATOR (V-F-22)	REPLACEMENT:	\$ 10,050	
355	2025	AP30297	STWTP WEST FILTER #4 EFFLUENT VALVE ACTUATOR (V-F-23)	REPLACEMENT:	\$ 10,050	
356	2025	AP30307	STWTP WEST FILTER #5 EFFLUENT VALVE ACTUATOR (V-F-24)	REPLACEMENT:	\$ 10,050	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
357	2025	AP30317	STWTP WEST FILTER #6 EFFLUENT VALVE ACTUATOR (V-F-25)	REPLACEMENT:	\$ 10,050	
358	2025	AP30504	STWTP SEDIMENT RAKE DRIVE MOTOR ME 35-36	REPLACEMENT	\$ 2,890	2018- in Progress (west side); PUSH OUT TO 2025
359	2025	AP30669	STWTP F&S PUMP MIXER VAULT - E - GAS MASTER CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
360	2025	AP30676	STWTP FLOC & SED BASIN # 1 EAST; SLUDGE RAKE (ME-38)	REPLACEMENT: DRIVE CHAIN	\$ 750	
361	2025	AP30676	STWTP SEDIMENT BASIN # 1 EAST; RAKE CHAIN & FLIGHTS (ME-38)	REPLACE WEAR STRIP MATERIAL/SHOES	\$ 12,500	REPLACE FLIGHTS, FLIGHT CHAINS AND SPROCKETS (\$25,000 + \$28,200, 20YR); REPLACE WEAR STRIP MATERIAL & DRIVE CHAIN (\$13,250 10YR)

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
362	2025	AP30676	STWTP SEDIMENT BASIN # 1 EAST; RAKE CHAIN & FLIGHTS (ME-38)	REPLACE SHAFT, FLIGHTS, FLIGHT CHAINS AND SPROCKETS	\$ 53,200	REPLACE FLIGHTS, FLIGHT CHAINS AND SPROCKETS (\$25,000 + \$28,200, 20YR); REPLACE WEAR STRIP MATERIAL & DRIVE CHAIN (\$13,250 10YR)
363	2025	AP30715	STWTP F&S PUMP MIXER VAULT - W - GAS MASTER CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
364	2025	AP30729	STWTP FLOC MIXER 2ND STG MX-9	REPLACEMENT	\$ 42,000	
365	2025	AP30730	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-9	REPLACEMENT	\$ 2,890	
366	2025	AP30731	STWTP FLOC MIXER 2ND STG MX-10	REPLACEMENT	\$ 42,000	
367	2025	AP30732	STWTP FLOC MIXER DRIVE MOTOR	REPLACEMENT	\$ 2,890	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			2ND STG MX-10			
368	2025	AP30733	STWTP FLOC MIXER 2ND STG MX-11	REPLACEMEN T	\$ 42,000	
369	2025	AP30734	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-11	REPLACEMEN T	\$ 2,890	
370	2025	AP30748	STWTP FLOC MIXER 2ND STG MX-18	REPLACEMEN T	\$ 42,000	
371	2025	AP30749	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-18	REPLACEMEN T	\$ 2,890	
372	2025	AP30750	STWTP FLOC MIXER 2ND STG MX-19	REPLACEMEN T	\$ 42,000	
373	2025	AP30751	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-19	REPLACEMEN T	\$ 2,890	
374	2025	AP30752	STWTP FLOC MIXER 2ND STG MX-20	REPLACEMEN T	\$ 42,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
375	2025	AP30753	STWTP FLOC MIXER DRIVE MOTOR 2ND STG MX-20	REPLACEMENT	\$ 2,890	
376	2025	AP30433	GRAYSTONE PUMP MAINLINE VALVE BYPASS	REPLACEMENT	\$ 19,500	
377	2025	AP30435	GRAYSTONE MOTOR CONTROL CENTER (MCC-A)	100% REPLACEMENT OF MCC; SCVWD TO DO ENGINEERING (ELECTRICAL AND STRUCTURAL PLATFORM) AND SPECIFICATIONS FOR CONTRACTOR TO INSTALL.	\$ 500,000	REPLACE 30YRS; TEST AND REPAIR 2YR: Work requires a plant shutdown. Replacement: replacement should be conducted when manufacturer no longer provides support

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
378	2025	AP30801	GRAYSTONE PUMP DISCHARGE VALVE (V-G-5)	REPLACEMENT	\$ 19,500	
379	2025	AP30803	GRAYSTONE PUMP DISCHARGE VALVE (V-G-6)	REPLACEMENT	\$ 19,500	
380	2025	AP42764	STWTP GRAYSTONE M/L BYPASS GUARD VALVE	REPLACEMENT	\$ 19,500	
381	2025	AP30360	STWTP TEMPERATURE CONTROL PANEL (TCP1)	REPLACEMENT: PLC, CONTRACTOR	\$ 36,000	
382	2025	AP42837	STWTP HP SPILL TANK (API TANK) VERTICAL	INSPECTION: INCLUDES CLEANING COST	\$ 1,000	
383	2025	AP45035	STWTP HP METERING PUMP #1 (SHPP01)	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	\$ 6,750	
384	2025	AP45037	STWTP HP METERING PUMP #2 (SHPP02)	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	\$ 6,750	
385	2025	AP45039	STWTP HP METERING PUMP #3 (SHPP03)	REPLACEMENT: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	\$ 6,750	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
386	2025	AP45041	STWTP HP STORAGE TANK	EXTERNAL INSPECTION	\$ 4,000	REPLACE 40YR, INSPECTION (E) 5 YR; INTERNAL 20 YRS; COAT 20YR
387	2025	AP67588	HP METERING PUMP 1 VFD (HYDROGEN PEROXIDE)	REPLACE VFD 001	\$ 3,000	
388	2025	AP67589	HP METERING PUMP 2 VFD (HYDROGEN PEROXIDE)	REPLACE VFD 001	\$ 3,000	
389	2025	AP67590	HP METERING PUMP 3 VFD (HYDROGEN PEROXIDE)	REPLACE VFD 001	\$ 3,000	
390	2025	AP43060	STWTP SIGNAL ISOLATION PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
391	2025	AP45001	STWTP LIQUID OXYGEN TANK #2	INSPECTION: INSPECTION (E) VISUAL + SHELL MINIMUM	\$ 5,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				THICKNESS (UT)		
392	2025	AP30180	STWTP DIESEL FUEL DAY TANK - GENERATOR	INSPECTION: EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$ 1,000	
393	2025	AP30185	STWTP MOTOR CONTROL CENTER - MCC-1M	REPLACEMENT: REPLACEMENT SHOULD BE CONDUCTED WHEN MANUFACTURER NO LONGER PROVIDES SUPPORT	\$ 200,000	REPLACE 30YRS; TEST AND REPAIR 2YR: Work requires a plant shutdown.
394	2025	AP30186	STWTP MOTOR CONTROL CENTER BACKWASH BLDG MCC-2G	REPLACEMENT: REPLACEMENT SHOULD BE CONDUCTED WHEN MANUFACTURER NO LONGER PROVIDES SUPPORT	\$ 200,000	REPLACE 30YRS; TEST AND REPAIR 2YR: <i>Work requires a plant shutdown.</i>

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
395	2025	AP30187	STWTP MOTOR CONTROL CENTER BACKWASH BLDG MCC-5M	REPLACEMENT: REPLACEMENT SHOULD BE CONDUCTED WHEN MANUFACTURER NO LONGER PROVIDES SUPPORT	\$ 200,000	REPLACE 30YRS; TEST AND REPAIR 2YR: <i>Work requires a plant shutdown.</i>
396	2025	AP30188	STWTP MOTOR CONTROL CENTER EAST FILTER DECK MCC-DP2 (OUTDOORS) ATTACHED TO MCC-3M	REPLACE	\$ 230,000	REPLACE 30YRS; TEST AND REPAIR 2YR: Work requires a plant shutdown. (DISCUSS CONNECTIONS FOR MUX 7, DROP 7, 22, & 23 WITH JAMES BOHAN.); SCVWD TO DO ENGINEERING (ELECTRICAL AND STRUCTURAL PLATFORM) AND SPECIFICATIONS FOR CONTRACTOR TO REPLACE.
397	2025	AP30189	STWTP MOTOR CONTROL CENTER FLOC & SED BASINS EAST MCC-3M (OUTDOORS)	100% REPLACEMENT OF MCC; SCVWD TO DO ENGINEERING (ELECTRICAL AND STRUCTURAL PLATFORM) AND SPECIFICATIONS FOR CONTRACTOR TO INSTALL.	\$ 425,000	INSPECT 2 YR; REPLACE 30 YR: (DISCUSS CONNECTIONS FOR MUX5, DROP 19 & 5 WITH JAMES BOHAN)

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
398	2025	AP30190	STWTP MOTOR CONTROL CENTER FLOC & SED BASINS WEST MCC-2M (OUTDOORS)	100% REPLACEMENT OF MCC; SCVWD TO DO ENGINEERING (ELECTRICAL AND STRUCTURAL PLATFORM) AND SPECIFICATIONS FOR CONTRACTOR TO INSTALL.	\$ 425,000	INSPECT 2 YR; REPLACE 30 YR: (DISCUSS CONNECTIONS FOR MUX4, DROP 4 & 18 WITH JAMES BOHAN)
399	2025	AP30195	STWTP MOTOR CONTROL CENTER WASHWATER REC BLDG MCC-4M	REPLACEMENT	\$ 200,000	REPLACE 30YRS; TEST AND REPAIR 2YR: Work requires a plant shutdown.
400	2025	AP30196	MOTOR CONTROL CENTER WEST FILTER GALLERY MCC-DP1: (OUTDOORS) ATTACHED TO MCC-2M	100% REPLACEMENT OF MCC; SCVWD TO DO ENGINEERING (ELECTRICAL AND STRUCTURAL PLATFORM) AND SPECIFICATIONS FOR CONTRACTOR TO INSTALL.	\$ 230,000	REPLACE 30YRS; TEST AND REPAIR 2YR: Work requires a plant shutdown. (DISCUSS MUX 8, DROP 6, 20, 21 WITH JAMES BOHAN.)
401	2025	AP45081	STWTP MAIN SWITCHBOARD A - OZONE GEN ELEC ROOM	INSPECTION:	\$ 4,444	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
402	2025	AP45082	STWTP MAIN SWITCHBOARD B - OZONE GEN ELEC ROOM	INSPECTION:	\$ 4,444	
403	2025	AP45179	STWTP WWC ELECTRICAL ROOM - MCC-15 - NORTH	REPLACEMENT	\$ 200,000	REPLACE 30YRS; TEST AND REPAIR 2YR: Work requires a plant shutdown.
404	2025	AP45180	STWTP WWC ELECTRICAL ROOM - MCC-15 SOUTH	REPLACEMENT	\$ 200,000	REPLACE 30YRS; TEST AND REPAIR 2YR: Work requires a plant shutdown.
405	2025	AP50116	STWTP WEST FILTER DECK DP-1A	TEST	\$ 110,000	REPLACE 30YRS; TEST AND REPAIR 2YR: Work requires a plant shutdown.; FY18 MCC INSPECTION GOOD
406	2025	AP50122	STWTP EAST FILTER DECK DP-2A (fed by MCC-3M outdoors)	REPLACE	\$ 110,000	REPLACE 30YRS; TEST AND REPAIR 2YR: FY18 MCC INSPECTION GOOD
407	2025	AP50919	STWTP PANELBOARD-TSB AUTO TRANSFER SWITCH (ATS-5)	REPLACEMENT	\$ 15,000	EM PLAN WITH CAPITAL
408	2025	AP30341	STWTP BULK NEAT NONIONIC POLY STORAGE	EXTERNAL INSPECTION 5YRS	\$ 4,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			MIXING TANK #12			
409	2025	AP30858	STWTP NON-IONIC POLYMER FEEDER CONTROL PANEL LCP-4	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
410	2025	AP42813	STWTP OZONE GENERATOR POWER SUPPLY UNIT #2 (SOZPSU02)	REPLACEMENT:	\$ 190,000	
411	2025	AP42814	STWTP OZONE GENERATOR POWER SUPPLY UNIT #1 (SOZPSU01)	REHABILITATION: CLEAN & REPLACE DIELECTRICS	\$ 23,750	
412	2025	AP42814	STWTP OZONE GENERATOR POWER SUPPLY UNIT #1 (SOZPSU01)	REPLACEMENT:	\$ 190,000	
413	2025	AP42815	STWTP OZONE GENERATOR POWER SUPPLY	REHABILITATION: CLEAN & REPLACE DIELECTRICS	\$ 23,750	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			UNIT #3 (SOZPSU03)			
414	2025	AP42815	STWTP OZONE GENERATOR POWER SUPPLY UNIT #3 (SOZPSU03)	REPLACEMENT:	\$ 190,000	
415	2025	AP42844	STWTP WOZ CHEMICAL PUMP MIXER WATER CHAMP (SSAMX02)	REPLACEMENT:	\$ 30,000	
416	2025	AP42845	STWTP EOZ CHEM PUMP MIXER- WATER CHAMP; (SSAMX01)	REPLACEMENT:	\$ 30,000	
417	2025	AP45285	STWTP EOZ CONTACTOR ALARM PANEL #2 (EAST END) (EOCAP02)	COAT:	\$ 4,125	
418	2025	AP45457	STWTP F&S ULTRASONIC FLOW ELEMENT &	REPLACEMENT:	\$ 7,875	
419	2025	AP46488	STWTP F&S ULTRASONIC FLOW ELEMENT &	REPLACEMENT:	\$ 11,050	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			INDICATING TRANSMITTER (FE/FIT-311A/B-WOW)			
420	2025	AP45003	STWTP OZQ CALCIUM THIOSULFATE METERING PUMP #1 (SOQAPO1)	REPLACEMENT	\$ 6,750	
421	2025	AP45004	STWTP OZQ CALCIUM THIOSULFATE METERING PUMP #2 (SOQAPO2)	REPLACEMENT	\$ 6,750	
422	2025	AP45006	STWTP OZQ CALCIUM THIOSULFATE METERING PUMP #3 (SOQAPO3)	REPLACEMENT	\$ 6,750	
423	2025	AP45007	STWTP OZQ CALCIUM THIOSULFATE METERING PUMP #4 (SOQAPO4)	REPLACEMENT	\$ 6,750	
424	2025	AP45008	STWTP OZQ CALCIUM THIOSULFATE METERING PUMP #5 (SOQAPO5)	REPLACEMENT	\$ 6,750	
425	2025	AP45017	STWTP OZQA TANK #1 (SOQAT01)	COAT:	\$ 5,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
426	2025	AP45017	STWTP OZQA TANK #1 (SOQAT01)	INSPECTION: INSPECTION (E)	\$ 4,000	
427	2025	AP45018	STWTP OZQA TANK #2 (SOQAT02)	COAT:	\$ 5,000	
428	2025	AP45018	STWTP OZQA TANK #2 (SOQAT02)	INSPECTION: INSPECTION (E)	\$ 4,000	
429	2025	AP45018	STWTP OZQA TANK #2 (SOQAT02)	INSPECTION: INTEGRITY INSPECTION (I)&(E) + CLEANING AND REPAIRS	\$ 12,000	
430	2025	AP45020	STWTP OZQ TANK #1 EMERGENCY SHUT OFF BALL VALVE (OQA-12)	REPLACEMENT	\$ 1,600	
431	2025	AP68360	OQA METERING PUMP 1 VFD	REPLACE VFD 001	\$ 3,000	
432	2025	AP68361	OQA METERING PUMP 2 VFD	REPLACE VFD 001	\$ 3,000	
433	2025	AP68362	OQA METERING PUMP 3 VFD	REPLACE VFD 001	\$ 3,000	
434	2025	AP68363	OQA METERING PUMP 4 VFD	REPLACE VFD 001	\$ 3,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
435	2025	AP68364	OQA METERING PUMP 5 VFD	REPLACE VFD 001	\$ 3,000	
436	2025	PHANTO M13	STWTP PARTICLE COUNTER CALIBRATION	ADMINISTRATIVE COST:	\$ 5,000	
437	2025	AP30420	STWTP PLANT WATER PUMP #2 P-13; MOTOR	REPLACEMENT	\$ 16,800	
438	2025	AP30773	INFLOW METER	REPLACE STWTP INFLOW METER 3495 2019	\$ 30,000	Contractor work; ORIGINALLY SCHEDULED IN FY19
439	2025	AP30787	STWTP STATIC MIXER VAULT WATER CHAMP DIFFUSER	REHABILITATION:SEALS; ETC.	\$ 10,000	
440	2025	AP44137	STWTP_PL C_HACH (SCADA)	REPLACEMENT: NOTE EQUIPMENT COST IS \$2000 JC 190903	IT BUDGET	
441	2025	AP44244	STWTP INFLUENT STRUCTURE RTU (SCADA)	REHABILITATION - REPLACE PLC; MODEN; RADIO; ETC	\$ 9,000	RESCHEDULE: RTU at STWTP is an RWCS (not STWTP) asset, and is not scheduled for replacement in FY19
442	2025	AP30829	STWTP EVACUATION ALARM SYSTEM	EVALUATION ONLY	\$ 7,875	H&S will assist. Testing scheduled for July.
443	2025	AP30473	STWTP PIG LAUNCHING STA #5 - WASHWATE	REPLACEMENT:	\$ 25,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			R REC BLDG			
444	2025	AP30856	STWTP CAUSTIC FEEDER CONTROL PANEL LCP-2	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	
445	2025	AP30138	STWTP OCL STORAGE TANK #1	INTEGRITY INSPECTION (I) (UT) + CLEANING AND REPAIRS	\$ 12,000	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT) 5YR; INTEGRITY INSPECTION (I) (UT), LINER + CLEANING AND REPAIRS 10YR; COAT 20YR; REPLACE 40YR
446	2025	AP30138	STWTP OCL STORAGE TANK #1	REPLACE LINER	\$ 25,000	INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT) 5YR; INTEGRITY INSPECTION (I) (UT), LINER + CLEANING AND REPAIRS 10YR; COAT 20YR; REPLACE 40YR
447	2025	AP30140	STWTP OCL TRANSFER PUMP #1	REPLACEMENT: INSPECT AND REPLACE AS NEEDED	\$ 1,500	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
448	2025	AP30141	STWTP OCL STORAGE TANK #2	INSPECTION: INTEGRITY INSPECTION (I) + INTERNAL MINIMUM REMAINING THICKNESS TEST (MRT) + CLEANING AND REPAIRS	\$ 12,000	
449	2025	AP30141	STWTP OCL STORAGE TANK #2	REHABILITATION - LINER REPLACEMENT OR REPAIR	\$ 25,000	
450	2025	AP30143	STWTP OCL TRANSFER PUMP #2	REPLACEMENT: INSPECT AND REPLACE AS NEEDED	\$ 1,500	
451	2025	AP30869	STWTP SODIUM HYPOCHLORITE CONTROL PANEL (SOCLCP)	REPLACEMENT - PLC, CONTRACTOR	\$ 36,000	
452	2025	AP30869	STWTP SODIUM HYPOCHLORITE CONTROL PANEL (SOCLCP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	\$ 11,250	
453	2025	AP30880	STWTP OCL TRANSFER	REPLACEMENT:	\$ 2,210	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			PUMP #1 MOTOR			
454	2025	AP30882	STWTP OCL TRANSFER PUMP #2 MOTOR	REPLACEMENT:	\$ 2,210	
455	2025	AP30339	SWT-MT-MIX-30; SPARE CHEMICAL DRY POLY MIXING TANK #9 (MX-4)	INSPECTION: INCLUDES CLEANING, AND REPAIR AS NEEDED AND ASSOCIATED COSTS	4000	
456	2025	AP42839	STWTP SULFURIC ACID SPILL TANK (VERTICAL 53 GAL) (SSAT-02)	INSPECTION: INTEGRITY INSPECTION (I)(E)(UT)(LT) + CLEANING	\$ 2,500	
457	2025	AP45031	STWTP SA CHEM PIPE TRENCH SUMP PUMP CNTRL PANEL # 2 SASPCP04	REPLACEMENT:	\$ 3,750	
458	2025	AP45150	STWTP SULFURIC ACID I/O PANEL (SAIOP)	REPLACEMENT: CONTRACTOR	\$ 15,000	
459	2025	AP42861	STWTP SULFURIC ACID CHEMICAL RESISTANT SUMP PUMP (SSAP-06)	REPLACEMENT	19950	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
460	2025	AP45171	STWTP WWC RETURN PUMP #1; MOTOR	REPLACEMENT:	\$ 16,800	DEPENDS ON CONDITION ASSESSMENT; REHAB 10, REPLACE 20
461	2025	AP45172	STWTP WWC MAIN RETURN PUMP #2; MOTOR	REPLACEMENT:	\$ 16,800	DEPENDS ON CONDITION ASSESSMENT; REHAB 10, REPLACE 20
462	2025	AP45482	STWTP WWC POLYFEED FLOW METER (FIT-301-WWC) MAG	REPLACEMENT:	\$ 4,375	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
463	2025	AP46218	STWTP WWC CROSS COLLECTOR CHAIN & FLIGHTS SWWCSL02	REHABILITATION: REHAB DRIVE (GEARBOX) FOR CROSS COLLECTOR	\$ 8,250	NEED TO UPDATE WWC STRATEGIES
464	2025	AP46219	STWTP WWC LONGITUDINAL COLLECTOR CHAIN & FLIGHTS SWWCSL03	REHABILITATION: REHAB DRIVE (GEARBOX) FOR CROSS COLLECTOR	\$ 8,250	NEED TO UPDATE WWC STRATEGIES
465	2025	AP46220	STWTP WWC CROSS COLLECTOR CHAIN & FLIGHTS SWWCSL04	REHABILITATION: REHAB DRIVE (GEARBOX) FOR CROSS COLLECTOR	\$ 8,250	NEED TO UPDATE WWC STRATEGIES
466	2025	AP46468	STWTP WWC MAGNETIC FLOW METER (FE-301-ANP/NP)	REPLACEMENT:	\$ 15,000	
467	2025	AP50780	STWTP WWC FLOC & SED BASIN #1	INSPECTION: INSPECT STRUCTURE AND COATING IF APPLICABLE WHEN FILTER MEDIA IS REMOVED - DISTRICT/CONSULTANT EFFORT; MINOR REPAIRS	\$ 200,000	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
468	2025	AP50781	STWTP WWC FLOC & SED BASIN #2	INSPECTION: INSPECT STRUCTURE AND COATING IF APPLICABLE WHEN FILTER MEDIA IS REMOVED - DISTRICT/CON SULTANT EFFORT; MINOR REPAIRS	\$ 200,000	
469	2025	AP67243	STWTP WWC CROSS COLLECTO R SWWCSL01	REHABILITATI ON - REBUILD GEAR BOX	\$ 8,250	NEED TO UPDATE WWC STRATEGIES
470	2025	AP67243	STWTP WWC CROSS COLLECTO R SWWCSL01	REPLACE DRIVE CHAINS 003	\$ 1,000	NEED TO UPDATE WWC STRATEGIES
471	2025	AP67243	STWTP WWC CROSS COLLECTO R SWWCSL01	REPLACE FLIGHTS FOR (SWWCSLC01)	\$ 10,000	NEED TO UPDATE WWC STRATEGIES
472	2025	AP30618	STWTP ZINC/PHOS PHORIC ACID METER PUMP #1 FD-15	REPLACEMEN T: INSPECT AND REPLACE OF ENTIRE ASSET, IF NEEDED.	\$ 6,750	

Santa Teresa Water Treatment Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
473	2025	AP50922	STWTP PHOSPHORIC ACID STORAGE TANK CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	\$ 36,000	

Table B-5: Raw Water Transmission and Distribution FY22-25 Planned Work

Raw Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR41431	AVP COLEMAN L.V. 48" MOTOR OPERATED BFV	REPLACEMENT:	\$ 73,200	
2	2023	AR41354	AVP - PCCP PIPING COLEMAN LV TO SHANNON LV (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$ 6,600,000	COMPLETED IN FY18 FOR AVP: (COLEMAN LV TO CALERO) STA 271+50 - 647+52 AND VASONA PP TO GUADALUPE T.O.
3	2023	AR41354	AVP - PCCP PIPING COLEMAN LV TO SHANNON LV (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$ 13,000,000	
4	2023	AR41426	AVP OPERATOR - ALAMITOS CREEK T/O 12" MOTOR OPERATED POLY-JET VALVE OPERATOR	REPLACEMENT:	\$ 10,050	

Raw Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
5	2023	AR41428	AVP OPERATOR - ALAMITOS CREEK T/O 14 IN MOTOR OPERATED PLUG VALVE OPERATOR	REPLACEMENT	\$ 10,050	
6	2023	AR41430	AVP OPERATOR - ALAMITOS CREEK T/O 14 IN MOTOR OPERATED PLUG VALVE OPERATOR	REPLACEMENT	\$ 10,050	
7	2023	AR46442	AVP ALAMITOS CREEK T/O 12 IN MANUAL GATE VALVE	REPLACEMENT	\$ 12,375	
8	2023	AR41398	AVP ALMADEN VALLEY PIPELINE - SHANNON LINE VALVE TO CALERO RESERVOIR (PIPE) - WORK WILL ACTUALLY START FROM ST FORCE MAIN APPROX STA 450+65, 3.75	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL)	\$ 6,700,000	"...UNLIKELY TO OCCUR IN FY2020....BUT IT IS STILL UP IN THE AIR ABOUT WHETHER TO ACTUALLY TO PERFORM REPAIRS ON THE AVP. OUR CURRENT FOCUS IS ESTABLISHING A PLAN TO COMPLETE REPAIRS ON CVP, CAP, AND CPL." - THOMAS LAU

Raw Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			MILES TOTAL			
9	2023	AR41398	AVP ALMADEN VALLEY PIPELINE - SHANNON LINE VALVE TO CALERO RESERVOIR (PIPE) - WORK WILL ACTUALLY START FROM ST FORCE MAIN APPROX STA 450+65, 3.75 MILES TOTAL	REHABILITATION OF DISTRESSED PIPE SEGMENTS AS NEEDED	\$ 13,000,000	"...UNLIKELY TO OCCUR IN FY2020....BUT IT IS STILL UP IN THE AIR ABOUT WHETHER TO ACTUALLY TO PERFORM REPAIRS ON THE AVP. OUR CURRENT FOCUS IS ESTABLISHING A PLAN TO COMPLETE REPAIRS ON CVP, CAP, AND CPL." - THOMAS LAU
10	2023	AR41418	AVP - STA. 639+52.61 PCCP PIPING NOZZLE CAP TO AVP CONNECT (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$ 6,700,000	COMPLETED IN FY18 FOR AVP: (COLEMAN LV TO CALERO) STA 271+50 - 647+52 AND VASONA PP TO GUADALUPE T.O.
11	2023	AR41418	AVP - STA. 639+52.61 PCCP PIPING NOZZLE CAP TO AVP	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE	\$ 13,000,000	

Raw Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			CONNECT (PIPE)	SEGMENTS AS NEEDED		
12	2023	AR40276	ANDERSON FORCE MAIN: AFM-PEET RD L.V. TO ANDERSON L.V. (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL)	\$ 100,000	
13	2023	AR40276	ANDERSON FORCE MAIN: AFM-PEET RD L.V. TO ANDERSON L.V. (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$ 400,000	AMPT VALUE FOR REPLACING PIPING = \$9,609,600
14	2023	AR40288	AFM VALVE - ANDERSON L.V. 48" MOTOR OPERATED BFV	REPLACEMENT:	\$ 73,200	
15	2023	AR40289	AFM OPERATOR - ANDERSON L.V. 48" MOTOR OPERATED BFV OPERATOR	REPLACEMENT:	\$ 18,000	
16	2023	AR40355	AFM COMPRESSOR - ANDERSON T/O AND LINE VALVE	REPLACEMENT: UPDATED MULTIPLIER FROM 1.4 TO 2, 5/4/16, JAM	\$ 9,000	

Raw Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			AIR COMPRESSOR			
17	2023	AR40355	AFM COMPRESSOR - ANDERSON T/O AND LINE VALVE AIR COMPRESSOR	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	
18	2023	AR20772	AFM INSTRUMENTATION - ANDERSON TURNOUT 12" FLOWMETER	REPLACEMENT:	\$ 14,000	
19	2023	AR40285	AFM VALVE - 12" BURIED SERVICE BFV (COYOTE CREEK TO CONNECTION - STA. 22+19.74)	REPLACEMENT: UPDATED FREQUENCY FROM 25 TO 20, 4/26/16, JAM	\$ 5,600	
20	2023	AR40286	AFM VAULT - ANDERSON T/O 12" MOTOR OPERATED SLEEVE VALVE	REPLACEMENT:	\$ 112,500	
21	2023	AR40287	AFM OPERATOR - ANDERSON	REPLACEMENT:	\$ 8,750	

Raw Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			T/O 12" MOTOR OPERATED SLEEVE VALVE OPERATOR			
22	2023	AR68266	AFM ACTUATOR-42 INCH PEET LINE VALVE - STA. 64+55.43	REPLACEMENT:	\$ 79,500	
23	2023	AR42516	COYOTE DISCHARGE LINE - FLOWMETER	REPLACEMENT:	\$ 12,000	
24	2023	AR42517	COYOTE DISCHARGE LINE - METER VAULT INSTRUMENTATION	REPLACEMENT: INSPECT AND REPLACE PLC COMPONENTS	\$ 36,000	
25	2023	AR42519	COYOTE DISCHARGE LINE VENTILATION	REPLACEMENT:	\$ 3,000	
26	2023	AR42521	CDL INSTRUMENTATION - DISCHARGE VAULT RTU	REPLACEMENT:	\$ 3,750	
27	2023	AR42523	CDL VALVE - 30" HOLLOW CONE POLYJET VALVE	REPLACEMENT:	\$ 312,500	

Raw Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
28	2023	AR67843	CDL FLOW METER	REPLACEMENT:	\$ 67,500	
29	2023	AR66893	SANTA TERESA FORCE MAIN - (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$ 4,100	
30	2023	AR66893	SANTA TERESA FORCE MAIN - (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$ 1,500,000	
31	2023	AR67892	STF - TELEMETRY CONTROL BOX	REPLACEMENT: CONTRACTOR	\$ 24,000	
32	2023	AR68271	STF - STA.0+20 ACTUATOR 72 INCH VOP AT CAMDEN STA.0+20	REPLACEMENT:	\$ 5,600	
33	2023	AR68270	STF - STA.0+20 VALVE 72 INCH MANUAL OPERATED BFV AT CAMDEN STA.0+20	REPLACEMENT:	\$ 170,000	

Raw Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
34	2025	AR51437	PENITENCIA FORCE MAIN (PIPE): PIEDMONT VALVE YARD TO GROSSMONT	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$ 2,500,000	
35	2025	AR51437	PENITENCIA FORCE MAIN (PIPE): PIEDMONT VALVE YARD TO GROSSMONT	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC ONLY FOR PCCP)	\$ 52,000	
36	2025	AR68112	PFM VALVE - GROSSMONT LINE VALVE 54" BFV	REPLACEMENT: REPLACE OR REBUILD	\$ 88,000	
37	2025	AR41002	PFM-PIEDMONT VALVE YARD TO GROSSMONT LV GENERATORS	REPLACEMENT:	\$ 27,750	

Table B-6: Treated Water Transmission and Distribution FY22-25 Planned Work

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR41201	SPL - PCCP PIPING STWTP TO COYOTE LV / SNELL PIPELINE COLLEEN TO BRANHAM STA.98+00 TO 237+18.73 (PIPING)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$100,000	
2	2022	AR41201	SPL - PCCP PIPING STWTP TO COYOTE LV / SNELL PIPELINE COLLEEN TO BRANHAM STA.98+00 TO 237+18.73 (PIPING) + INSTALL NEW LV'S (IRP)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS & AFO INSTALLATION AS NEEDED	\$525,000	

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
3	2022	AR41234	SPL - PCCP PIPING COYOTE CREEK LV TO THOMPSON CREEK LV / SNELL PIPELINE - BRANHAM TO EAST PIPELINE 237+18.73 (PIPING): 515+06	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$100,000	
4	2022	AR41234	SPL - PCCP PIPING COYOTE CREEK LV TO THOMPSON CREEK LV / SNELL PIPELINE - BRANHAM TO EAST PIPELINE 237+18.73 (PIPING): 515+06	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS & AFO INSTALLATION AS NEEDED	\$525,000	
5	2022	AP54017	SPL INSTRUMENTATION - PINOS T/O FLOWMETER	Replacement:	18000	

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
6	2022	AP54018	SPL Instrumentation - Skyway T/O Flowmeter	Replacement:	18000	
7	2022	AP66782	SPL INSTRUMENTATION - SILVER CREEK T/O 30" FLOWMETER	REPLACE	10500	
8	2022	AR44167	SPL_THOMPSON CREEK_PLC (SCADA)	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	REHAB IS SCHEDULED IN 2022
9	2022	AR44168	SPL_SILVER CREEK_PLC (SCADA)	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	ASK JAMES IF THIS IS PART OF I.T. BUDGET
10	2022	AR44169	SPL_COYOTE CREEK_PLC (SCADA)	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	ASK JAMES IF THIS IS PART OF I.T. BUDGET
11	2022	AR44170	SPL_SKYWAY_PLC (SCADA)	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	ASK JAMES IF THIS IS PART OF I.T. BUDGET
12	2022	AR44171	SPL_PINOS_PLC (SCADA)	REPLACEMENT	\$1,875	ASK JAMES IF THIS IS PART OF I.T. BUDGET

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
13	2022	AR54017	SPL INSTRUMENTATION - PINOS T/O 18" FLOWMETER	REPLACEMENT	\$18,000	
14	2022	AR54018	SPL INSTRUMENTATION - SKYWAY T/O 18" FLOWMETER	REPLACE	\$9,000	
15	2023	AP42764	STWTP GRAYSTONE M/L BYPASS GUARD VALVE	REPLACEMENT	\$19,500	ASK THOMAS
16	2024	AR40335	CAMPBELL DISTRIBUTARY-CMD LINE VALVE TO CAMPBELL TURNOUT (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, MFL TO BE DETERMINED)	\$16,000	

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
17	2024	AR40335	CAMPBELL DISTRIBUTARY-CMD LINE VALVE TO CAMPBELL TURNOUT (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$525,000	JIM'S UNIT TO REVIEW - SOME WORK WAS COMPLETED FOR MILIPTAS, CAMPBELL DISTR, SANTA CLARA DIST, MOUNTAIN DIST, (SUNNYVALE - THOMAS), & WEST PIPELINE (FY14-16?)
18	2024	AP40344	CMD Campbell T/O PLUG VALVE 12 in	Replacement:	11375	
19	2024	AP52002	CMD CAMPBELL T/O PLC CABINET BACKUP BATTERY (2) & CHARGER	REPLACEMENT - REPLACEMENT, BATTERY	4500	
20	2024	AP52003	CMD CAMPBELL T/O PLC CABINET	Replacement: contractor	36000	
21	2024	AP54000	CAMPBELL T/O 12" FLOWMETER	REPLACE	\$7,500	KEEP ON TW&D TAB
22	2024	AR40249	CMD CAMPBELL T/O PLC CABINET	REPLACEMENT - CONTRACTOR	\$36,000	REHAB SCHEDULED FOR 2024

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
23	2024	AP60041	CMD CAMPBELL T/O, INJECTOR ASSEMBLY -AQUEOUS AMMONIA, SITE C	Replacement:	\$3,750	
24	2024	AP60042	CMD CAMPBELL T/O, INJECTOR ASSEMBLY- SODIUM HYPOCHORITE (OCL) SITE C	Replacement:	\$3,750	
25	2024	AP60043	CMD CAMPBELL T/O, STATIC INJECTION MIXER 16 in WESTFAL MFG, SITE C	Replacement:	\$3,750	
26	2024	AP20446	RWTP MORE AVE BACKUP 36" FLOWMETER	REPLACE	\$10,500	ASK THOMAS; 2026?
27	2024	AR50660	RWTP MORE AVE RESV FLUSHING 2" FLOWMETER; MAG; (FE/FIT-301)	REPLACE	\$4,375	KEEP ON TW&D TAB
28	2024	AR73002	RWTP (MAPS) MORE AVE PUMP STATION	REPLACE	\$10,500	KEEP ON TW&D TAB; NEEDS A MS IN AMPT

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			24" FLOW METER			
29	2024	AR40475	SCD SANTA CLARA DISTRIBUTARY-SCD LINE VALVE TO VALCO TURNOUT (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, MFL TO BE DETERMINED)	\$65,000	
30	2024	AR40475	SCD SANTA CLARA DISTRIBUTARY-SCD LINE VALVE TO VALCO TURNOUT (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$3,500,000	
31	2024	AP54007	SCD Instrumentation - Vallco T/O Flowmeter	Replacement:	14000	
32	2024	AP54008	SCD Instrumentation - SC T/O Flowmeter	Replacement:	20000	

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
33	2024	AR40476	SCD VALVE - SCD MANUAL LINE VALVE - STA. - 0+42.89	Replacement: Reduced frequency to 30 yrs, 4/26/16, JAM	61500	
34	2024	AR44182	SCD_SANT A CLARA_PLC (SCADA)	REPLACEMEN T	\$1,875	SCD REHAB WILL BE DONE IN 2024
35	2024	AR44183	SCD_VALC O_PLC (SCADA)	REPLACEMEN T	\$1,875	SCD REHAB WILL BE DONE IN 2024
36	2024	AR44184	SCD_CAMP BELL_PLC (SCADA)	REPLACEMEN T	\$1,875	SCD REHAB WILL BE DONE IN 2024
37	2024	AR44185	SCD_SANT A CLARA_PLC (SCADA)	REPLACEMEN T	\$1,875	SCD REHAB WILL BE DONE IN 2024

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
38	2024	AR51438	SCD INSTRUMENTATION - FLOW METER VAULT FLOW METER	Replacement:	11050	
39	2024	AR54007	SCD INSTRUMENTATION - VALLCO T/O 10" FLOWMETER	REPLACE	\$14,000	KEEP ON TW&D TAB
40	2024	AR54008	SCD INSTRUMENTATION - SC T/O 12" FLOWMETER	REPLACE	\$20,000	KEEP ON TW&D TAB
41	2024	AR68144	SANTA CLARA DISTRIBUTARY BUCKNALL LINE VALVE 36" BFV	Replacement: Reduced frequency to 30 yrs, 4/26/16, JAM	61500	
42	2024	AR40001	WEST PIPELINE - WPL - PCCP PIPING RWTP TO COX LV: STA.1+00 - 148+30 (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL)	\$16,000	

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
43	2024	AR40001	WEST PIPELINE - WPL - PCCP PIPING RWTP TO COX LV: STA.1+00 - 148+30 (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$2,000,000	THOMAS "MIGHT NEED TO BE AN INSPECTION" HOLD FOR NOW. THERE WAS A REHAB DONE AROUND 2014 OR 2015. COX TO GRANGER DONE IN FY08. ROBERT H. WOULD LIKE TO REPLACE COX LINE VALVE.
44	2024	AP40991	WPL INSTRUMENTATION - COX T/O 30" FLOWMETER	REPLACE	26250	KEEP ON TW&D TAB
45	2024	AR40008	WPL VALVE - SAN TOMAS BLOWOFF AND PUMPOUT STA 49+26	Replacement:	3500	
46	2024	AR40010	WPL VALVE - WILDCAT CREEK BLOWOFF - STA. 56+07	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	5600	
47	2024	AR40021	WPL VALVE - SARATOGA CREEK	Replacement:	3500	

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			BLOWOFF - STA. 116+92			
48	2024	AR44178	WPL_COX_PLC (SCADA)	REPLACEMENT	\$1,875	REHAB SCHEDULED 2024
49	2024	AR44179	WPL_CONGRESS_PLC (SCADA)	REPLACEMENT	\$1,875	REHAB SCHEDULED 2024
50	2024	AR50464	WPL STRUCTURE - BRIDGE (PIPELINE CROSSING) - STA. 393+85.63	Coat: blast & coat	300000	
51	2024	AR54001	WPL INSTRUMENTATION CONGRESS TURN OUT 24" FLOWMETER	REPLACE	\$10,500	REHAB SCHEDULED 2024
52	2024	AR67885	WPL - COX LINE VALVE ACTUATOR	Replacement:	5600	
53	2025	AP40225	EPL NORWOOD T/O	REPLACE	\$27,750	ADDED

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			GENERATOR			
54	2025	AP44157	EPL; ABORN T/O; PLC	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	
55	2025	AP44158	EPL; NORWOOD T/O; PLC	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	
56	2025	AP44159	EPL; OCALA T/O; INS - PLC	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	
57	2025	AP44160	EPL; ALUM ROCK T/O; PLC	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	
58	2025	AP44161	EPL; MAYBURY T/O; INS - PLC	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	
59	2025	AP44163	EPL; PATT AVE T/O; INS - PLC	REPLACEMENT: PROGRAMMABLE LOGIC CONTROLLER	\$1,875	
60	2025	AP54010	EPL MAYBURY T/O 16" FLOWMETER	REPLACE	\$10,500	KEEP ON TW&D TAB
61	2025	AP54011	EPL ALUM ROCK T/O 18" FLOWMETER	REPLACE	\$10,500	KEEP ON TW&D TAB

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
62	2025	AP54012	EPL OCALA T/O 20" FLOWMETER	REPLACE	\$10,500	KEEP ON TW&D TAB
63	2025	AP54013	EPL NORWOOD T/O 16" FLOW METER	REPLACE	\$8,500	KEEP ON TW&D TAB
64	2025	AP66568	EPL FINISHED WATER VAULT UPS	REHABILITATION - REPLACE BATTERIES AND INSPECT	\$1,000	
65	2025	AP66781	EPL ABORN T/O 24" FLOW METER	REPLACE	\$20,500	KEEP ON TW&D TAB
66	2025	AR40233	EPL PATT AVE L.V. SAMPLE STATION	Replacement:	3000	
67	2025	AR41902	PDM - WSP PIPING EPL VAULT TO MOD VALVE VAULT (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$5,200	

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
68	2025	AR41902	PDM - WSP PIPING EPL VAULT TO MOD VALVE VAULT (PIPING NOT INSPECTED IN FY17)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS FOR PCCP AS NEEDED	\$525,000	
69	2025	AR43002	PDM 42" BUTTERFLY VALVE (EPL VALVE)	Replacement:	79500	
70	2025	AR43003	PDM MODULATING 30" BALL VALVE (PMVSP01)	Replacement:	113750	
71	2025	AR43004	PDM 6" GATE DRAIN VALVE	Replacement:	2975	

Treated Water Transmission and Distribution FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
72	2025	AR43005	PDM 8" COMBINATI ON AIR RELEASE VALVE	Rehabilitation: ARV; Isol. valve; coating, changed activit type from Replacement to Rehab per Erin B., 5/20/16, JAM	15000	
73	2025	AR43013	PDM 42" BUTTERFLY VALVE OPERATOR (MANUAL)	Replacement:	3000	
74	2025	AR43014	PDM MODULATIN G 30" BALL VALVE OPERATOR	Replacement:	15000	
75	2025	AR52017	PDM MODULATIN G VALVE CONTROL PANEL PLC (PMVSPCP)	REPLACEMEN T	\$1,875	PIPELINE REHAB IN FY25
76	2025	AR52018	PDM MODULATIN G VALVE VAULT SUMP PUMP CONTROL PANEL(PMV CP)	Replacement:	3750	
77	2025	AR67872	PDM- MOD VAULT ISOLATION VALVE 42" BFV	Replacement:	79500	

Table B-7: Anderson Hydroelectric Pumping Plant FY22-25 Planned Work

Anderson Hydroelectric Pumping Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR41006	ANDERSON HYDRO - UPS	REHABILITATION - REPLACE BATTERIES AND INSPECT	\$5,000	ARVIND
2	2022	AR44237	AHY_ANDERSON HYDRO PLANT_ RTU (SCADA)	REPLACEMENT - CONTRACTOR	\$24,000	RTU AT AHY DOES NOT NEED REPLACEMENT, PER SE (THOUGH COULD BE MODIFIED DURING/VIA THE PLC REPLACEMENT/UGPR ADE) - ASK E&CS IF A DECISION WAS MADE AND IF THIS IS FROM I.T.'S BUDGET
3	2022	ARHANT OM6	ANDERSON HYDRO ELECTRICAL TESTING	CONTRACT COST	\$12,000	EE UNIT
4	2022	ARHANT OM6	ANDERSON HYDRO ELECTRICAL TESTING	DISTRICT LABOR COST	\$6,000	EE UNIT
5	2024	AR45248	ANDERSON HYDRO DISCHARGE VAULT DISCHARGE VALVE 1	REPLACEMENT	\$19,500	
6	2024	AR45249	ANDERSON HYDRO DISCHARGE VAULT DISCHARGE VALVE 2	REPLACEMENT	\$19,500	

Anderson Hydroelectric Pumping Plant FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
7	2024	AR52044	ANDERSON HYDRO - MED VOLTAGE TRANSFORMER LIQUID FILLED	Replacement: contractor	60000	
8	2025	AR45232	ANDERSON HYDRO PERSONAL LOGIC CONTROLLER PLC (SCADA)	REPLACEMENT	\$ 1,875	OKAY; JAMES B.
9	2025	AR45229	ANDERSON HYDRO MAIN BUILDING SYSTEM CONTROLS PANEL	Replacement: Inspect and Replace (PCP & bcp), contractor, as needed updated 5/23/16 JAM, 5/30/19 JC cost updated to match revision notes 9/3/19 jC	\$ 36,000	
10	2025	AR45236	ANDERSON HYDRO BYPASS VAULT INSTRUMENTATION	Replacement: Inspect and Replace (PCP & bcp), contractor, as needed updated 5/23/16 JAM, 5/30/19 JC cost updated to match revision notes 9/3/19 jC	\$ 36,000	

Table B-8: Vasona Pumping Plant Facility FY22-25 Planned Work

Vasona Pumping Plant Facility FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCY AND COMMENTS
1	2022	AR42203	VASONA PUMP ELECTRIC GATE OPENER	INSPECT AND REPLACE IF NEEDED	\$10,000	TO BE DONE IN CAPITAL SECURITY PROJECT FY20. , MOVE TO FY22 UNTIL COMPLETE
2	2022	ARHANT OM5	VASONA PUMP ELECTRICAL TESTING	CONTRACT COST	\$8,000	EE UNIT
3	2022	ARHANT OM5	VASONA PUMP ELECTRICAL TESTING	DISTRICT LABOR COST	\$12,000	EE UNIT
4	2023	AR42245	VASONA PUMP MAIN SUCTION VALVE (66") - VALVE 801	REPLACEMENT:	\$ 140,000	
5	2023	AR42247	VASONA PUMP MAIN SUCTION VALVE (66") - VALVE 802	REPLACEMENT:	\$ 140,000	
6	2023	AR42246	VASONA PUMP MAIN SUCTION VALVE 66 IN OPERATOR - VALVE 801	REPLACEMENT	\$ 20,250	CIP PROJECT
7	2023	AR42248	VASONA PUMP MAIN SUCTION VALVE 66 IN OPERATOR - VALVE 802	REPLACEMENT	\$ 20,250	CIP PROJECT

Vasona Pumping Plant Facility FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCY AND COMMENTS
8	2023	AR42240	VASONA PUMP INLET VALVE OPERATOR - VALVE 601	REPLACEMENT:	\$ 10,050	
9	2023	AR42242	VASONA PUMP TURBINE DISCH VALVE OPERATOR - VALVE 602	REPLACEMENT:	\$ 10,050	
10	2023	AR42244	VASONA PUMP OLD TURBINE VALVE OPERATOR - VALVE 603 DISC	REPLACEMENT:	\$ 10,050	
11	2023	AR42214	VASONA PUMP #100 SUCTION VALVE OPERATOR - VALVE 101	REPLACEMENT	\$ 10,050	CIP PROJECT
12	2023	AR42220	VASONA PUMP #200 SUCTION VALVE OPERATOR - VALVE 201	REPLACEMENT	\$ 10,050	CIP PROJECT
13	2023	AR42227	VASONA PUMP #300 SUCTION VALVE OPERATOR - VALVE 301	REPLACEMENT	\$ 10,050	CIP PROJECT
14	2023	AR42234	VASONA PUMP #500 SUCTION VALVE	REPLACEMENT	\$ 10,050	CIP PROJECT

Vasona Pumping Plant Facility FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCY AND COMMENTS
			OPERATOR - VALVE 501			
15	2023	AR42250	VASONA PUMP SUCTION INLET VALVE OPERATOR - VALVE 803	REPLACEMENT	\$ 10,050	CIP PROJECT
16	2023	AR42252	VASONA PUMP ALMADEN VALLEY PL INLET VALVE OP VALVE 804	REPLACEMENT	\$ 10,050	CIP PROJECT
17	2023	AR42260	VASONA PUMP METER TEST BYPASS VALVE OP - VALVE 812	REPLACEMENT	\$ 10,050	CIP PROJECT
18	2023	AR42292	VASONA PUMP METER TEST BYPASS VALVE OPERATOR - VALVE 808	REPLACEMENT	\$ 10,050	CIP PROJECT
19	2023	AR42279	VASONA PUMP SEAL WATER PUMP #2	REPLACEMENT	\$ 6,000	HAS NOT BEEN USED IN 20 YEARS PER HAROLD; DEFER TO 2023 UNTIL VASONA UPGRADE IS COMPLETED
20	2023	ARPDAT E	ADD VASONA PUMP MAIN SUCTION VALVE 66 IN - VALVE 801			ADDED ITEM
21	2023	ARPDAT E	ADD VASONA PUMP MAIN			ADDED ITEM

Vasona Pumping Plant Facility FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCY AND COMMENTS
			SUCTION VALVE 66 IN - VALVE 802			
22	2023	ARPDAT E	ADD VASONA PUMP MAIN SUCTION VALVE 66 IN - VALVE 803			ADDED ITEM
23	2024	PHANTOM5	VASONA PUMP ELECTRICAL TESTING	ADMINISTRATIVE COST: CONTRACT COST FOR ELECTRICAL TESTING	\$ 8,000	
24	2024	ARHANT OM5	VASONA PUMP ELECTRICAL TESTING	DISTRICT LABOR COST	\$ 12,000	
25	2024	ARHANT OM5	VASONA PUMP ELECTRICAL TESTING	CONTRACT COST	\$ 8,000	
26	2025	AR42735	VASONA PUMP TURBINE	Replacement	\$ 260,000	
27	2025	AR42211	VASONA PUMP MAIN PUMP # 100	Replacement of Pump	\$ 90,000	
28	2025	AR42218	VASONA PUMP MAIN PUMP # 200	Replacement of Pump	\$ 90,000	

Vasona Pumping Plant Facility FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCY AND COMMENTS
29	2025	AR42225	VASONA PUMP MAIN PUMP # 300	Replacement of Pump	\$ 90,000	
30	2025	AR42232	VASONA PUMP MAIN PUMP # 500	Replacement of Pump	\$ 90,000	
31	2025	AR40354	VASONA PUMP TURBINE BYPASS VALVE OPERATOR - VALVE 811	REPLACEMENT	\$ 10,050	TO BE REMOVED. MOVE TO 2025
32	2025	AR42205	VASONA PUMP FIRE PROTECTION SYSTEM	INSPECT, TEST AND REPLACE AS NEEDED	\$ 7,875	CONTRACTOR; ANNUAL AND 5YR INSPECTIONS ARE DONE, UPDATED STRATEGY...DOES NOT NEED TO BE REPLACED....CAN BE INSPECT, TEST AND REPLACE AS NEEDED
33	2025	AR50308	VASONA METER SHOP AIR COMPRESSOR	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	

Table B-9: Dams and Reservoirs FY22-25 Planned Work

Dams and Reservoirs FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2023	AR46210	CALERO DAM OUTLET 30 in BUTTERFLY VALVE ACTUATOR	REPLACEMENT: CONTRACTOR	INCLUDED IN DAM SEISMIC RETROFIT	DAM SEISMIC RETROFIT PROJECT: CONFIRM WITH R.H. IF THIS IS NEEDED
2	2023	AR51095	CALERO MAIN DAM PIEZOMETERS	REPLACEMENT: CONTRACTOR	INCLUDED IN DAM SEISMIC RETROFIT	DAM SEISMIC RETROFIT PROJECT; DISCUSS WITH BAL AND MOVE IF NECESSARY (REQUEST MS FROM MANUFACTURER)
3	2023	AR51166	GUADALUPE DAM PIEZOMETERS	REPLACEMENT BY CONTRACTOR	INCLUDED IN DAM SEISMIC RETROFIT	DAM SEISMIC RETROFIT PROJECT
4	2023	AR42610	CALERO DAM OUTLET STRUCTURE (DAM SEISMIC RETROFIT)	Dam Seismic retrofit including outlet structure (CIP placeholder)	\$78,148,000	DAM SEISMIC RETROFIT PROJECT (MAINT STRATEGY TO BE SUBMITTED BY CONTRACTOR); ASK BAL GANJOO ABOUT THIS WORK AND RESCHEDULE PER BOARD NOTIFICATION

Dams and Reservoirs FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
5	2023	AR	GUADALUPE DAM SEISMIC RETROFIT PROJECT		\$60,000,000	DAM SEISMIC RETROFIT PROJECT; CONFIRM WITH BAL
6	2023	AR51352	VASONA DAM OUTLET 42 in SLUICE GATE OUTLET PIPE	MINOR REHABILITATION: THIS ACTIVITY IS ADDITIVE TO VAULT REHAB; PIPELINE REHAB; AND INSPECTION COSTS. BASIC COST TO DEWATER AND REFILL PIPELINE.	\$500,000	STEVEN WU TO CONFIRM SCHEDULE (DSOD PRESENT TO EXERCISE 2 RADIAL GATES 2020 & 2023 = \$30,000
7	2025	AR51372	UVAS DAM OUTLET PIPE	REHAB: THIS ACTIVITY IS ADDITIVE TO VAULT REHAB; PIPELINE REHAB; AND INSPECTION COSTS. BASIC COST TO DEWATER AND REFILL PIPELINE.	\$500,000	REPLACE 100YR, REHAB 20YR, INSPECT 10YR

Dams and Reservoirs FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
8	2024	AR42602	ALMADEN DAM INLET STRUCTURE	STRUCTURAL INSPECTION	\$130,000	VISUAL INSPECT (IF POSSIBLE - IT'S UNDERWATER) 3YR, STRUCTURAL INTERNAL INSPECT 10YR, REPLACE 100YR
9	2025	AR51121	COYOTE DAM INLET STRUCTURE	STRUCTURAL INSPECTION - 60" & 42"	\$ 40,000	DSOD PRESENT VISUAL INSPECT 3YR, STRUCTURAL INTERNAL 60" & 42" INSPECT 10YR, REPLACE 100YR
10	2023	AR42674	LENIHAN DAM HYDRAULIC VALVE OPERATING SYSTEM HVOS AND GAUGE BOARD	REPLACEMENT	\$36,000	STEVE AND HAROLD'S (ROBERT'S GROUP)
11	2023	AR51213	LENIHAN DAM INLET BUILDING VALVE CONTROL PANEL (LXDRWCP-1)	REPLACEMENT	\$36,000	DISCUSS WITH HAROLD
12	2023	AR51248	LENIHAN DAM VALVE CONTROL PANEL LXDRWCP-2	REPLACEMENT	\$36,000	DISCUSS WITH HAROLD

Dams and Reservoirs FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
13	2024	AR42674	LENIHAN DAM HYDRAULIC VALVE ACTUATOR SYSTEM HVOS AND GAUGE BOARD	Replacement: Inspect and Replace (PCP & bcp), contractor, as needed updated 5/23/16 JAM, 5/30/19 JC cost updated to match revision notes 9/3/19 jC	36000	
14	2024	AR66495	KIRK DAM; RUBBER DAM CONTROL PANEL	REPLACEMENT: REPLACEMENT (PCP & BCP), CONTRACTOR , UPDATED 5/23/16, JAM	\$36,000	HAROLD & STEVE (MOVE KIRK DAM TO JERRY S. WS MAINT)
15	2024	AR66512	KIRK DAM; FISH SCREEN CONTROL PANEL	REPLACEMENT: REPLACEMENT (PCP & BCP), CONTRACTOR , UPDATED 5/23/16, JAM	\$36,000	HAROLD & STEVE (MOVE KIRK DAM TO JERRY S. WS MAINT)
16	2024	AR51213	LENIHAN DAM INLET BUILDING VALVE CONTROL PANEL (LXDRWCP-1)	REPLACEMENT: REPLACEMENT (PCP & BCP), CONTRACTOR , UPDATED 5/23/16, JAM	\$36,000	HAROLD & STEVE
17	2024	AR51248	LENIHAN DAM VALVE CONTROL PANEL LXDRWCP-2	REPLACEMENT: REPLACEMENT (PCP & BCP), CONTRACTOR , UPDATED 5/23/16, JAM	\$36,000	HAROLD & STEVE
18	2024	AR44204	AFM ANDERSON DAM OUTLET;	REPLACEMENT: CONTRACTOR	\$24,000	HAROLD

Dams and Reservoirs FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			RTU (SCADA)			
19	2025	AR42632	CALERO DAM INLET STRUCTURE	Inspection: New Activity 4/14/16, JAM	\$ 10,000	
20	2025	AR42662	GUADALUPE DAM INLET STRUCTURE	Inspection: New Activity 4/14/16, JAM	\$ 10,000	
21	2025	AR42682	STEVENS CREEK DAM INLET STRUCTURE	Inspection: New Activity 4/14/16, JAM	\$ 10,000	
22	2025	AR42727	CHESBRO DAM INLET STRUCTURE	Inspection: New Activity 4/14/16, JAM	\$ 10,000	
23	2025	AR51044	ANDERSON DAM INCLINED INLET STRUCTURE	Inspection: New Activity 4/14/16, JAM	\$ 10,000	
24	2023	AR51121	COYOTE DAM INLET STRUCTURE	DEPARTMENT SAFETY OF DAMS (DSOD) VALVE INSPECTION	\$5,000	VISUAL TUNNEL INSPECTION & VALVE CHECK 1YR (VERIFY PM'S AND CONFIRM MS WITH NINA), DSOD VALVE INSPECTION 3YR, STRUCTURAL INTERNAL INSPECT 10YR, REPLACE 100YR
25	2023	AR51230	LENIHAN DAM ACCESS TUNNEL	DEPARTMENT SAFETY OF DAMS (DSOD) VISUAL VALVE INSPECTION	\$5,000	VISUAL INSPECT 3YR, STRUCTURAL INSPECT 10YR, REPLACE 100YR
26	2025	AR51289	LENIHAN DAM PIEZOMETERS	REPLACEMENT BY SCVWD	\$ 5,000	

Dams and Reservoirs FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
27	2025	AR51381	UVAS DAM PIEZOMETE RS	REPLACEMEN T	\$ 5,000	
28	2025	AR51357	VASONA DAM PIEZOMETE RS	REPLACEMEN T	\$ 5,000	
29	2024	AR51215	LENIHAN DAM INLET BUILDING ELECTRICAL MAIN SWITCHBOA RD #1 (MSB#1)	Inspection:	4444	
30	2024	AR51250	LENIHAN DAM OUTLET STRUCTURE ELECTRICAL MAIN SWITCHBOA RD #2 (MSB#2)	Inspection:	4444	
31	2023	AR51215	LENIHAN DAM INLET BUILDING ELECTRICAL MAIN SWITCHBOA RD #1 (MSB#1)	Inspection:	4444	
32	2023	AR51250	LENIHAN DAM OUTLET STRUCTURE ELECTRICAL MAIN SWITCHBOA	Inspection:	4444	

Dams and Reservoirs FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			RD #2 (MSB#2)			
33	2023	ARUZAN NE TO CREATE	PRESSURE VESSELL (232 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR: A003279- 17; LOCATION: CALERO RESERVOIR
34	2023	ARUZAN NE TO CREATE	PRESSURE VESSELL (200 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR:A002103- 12; LOCATION: CALERO RESERVOIR
35	2023	ARUZAN NE TO CREATE	PRESSURE VESSELL (200 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR:A002106- 12; LOCATION: CALERO RESERVOIR
36	2023	ARUZAN NE TO CREATE	PRESSURE VESSELL (200 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR:A002105- 12; LOCATION: CALERO RESERVOIR
37	2023	ARUZAN NE TO CREATE	PRESSURE VESSELL (200 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR:A002104- 12; LOCATION: CALERO RESERVOIR
38	2025	AR68293	ALD OXYGENATI ON TRAILER RECIP COMPRESS OR	Inspection: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND	\$ 500	

Dams and Reservoirs FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				PERMIT RENEWAL		
39	2025	AR68298	GUD OXYGENATION TRAILER RECIP COMPRESSOR	Inspection: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	
40	2025	AR68303	STD OXYGENATION TRAILER, RECIP COMPRESSOR	Inspection: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	
42	2025	AR68312	CAD OXYGENATION RECIP COMPRESSOR	Inspection: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$ 500	

Table B-10: Water Supply Management (Maintenance) FY22-25 Planned Work

Water Supply Management (Maintenance) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	ARE66317	CHURCH DIVERSION TO POND #1 PIPE	PIPE TO BE REMOVED IN CAPITAL FLOOD CONTROL PROJECT	\$5,000	NOT SURE WHEN IT WILL BE COMPLETED, MOVE TO FY2022 FOR NOW.
2	2022	AR60019	CAD RAW WATER TURBIDIMETER	REPLACEMENT	\$5,625	LUZ TO ASK ATLASI DANESHVAR IF SHE WANTS TO KEEP TRACK OF TURBIDIMETER REPLACEMENTS
3	2022	AR65097	HELMSLEY PIPELINE INLET FROM PIEDMONT POND #4	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	
4	2022	AR65177	MABURY DIVERSION FISH LADDER	REPLACE FISH LADDER PANELS	\$25,000	
5	2022	AR65324	KOOSER PIPELINE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	

Water Supply Management (Maintenance) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
6	2022	AR65393	MERIDIAN PIPELINE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	
7	2023	AR65266	ALAMITOS PIPELINE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	
8	2023	AR65270	GUADALUPE PONDS PIPELINE -- (ALAMITOS PONDS TO GUADALUPE PONDS)	DEWATERING AND CLEANING, VIDEO INSPECTION	\$8,000	
9	2023	AR65334	MASSON DIVERSION DAM PIPE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	
10	2023	AR65344	MASSON PIPELINE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	
11	2023	AR66352	MCCLELLAN POND #1 SU PPLY PIPE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	
12	2024	AR42708	UVAS DAM T RANSFER LI NE - 12" BYP ASS	DEWATERING AND CLEANING, VIDEO INSPECTION	\$8,000	

Water Supply Management (Maintenance) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
13	2024	AR65331	MASSON FISH LADDER	REPLACE FISH LADDER PANELS	\$25,000	
14	2024	AR66495	KIRK DAM; RUBBER DAM CONTROL PANEL	REPLACEMENT (PCP & BCP), CONTRACTOR , UPDATED 5/23/16, JAM	\$36,000	INSTALL YEAR 2014; USEFUL LIFE 24 YRS
15	2024	AR66512	KIRK DAM; FISH SCREEN CONTROL PANEL	REPLACEMENT (PCP & BCP), CONTRACTOR , UPDATED 5/23/16, JAM	\$36,000	INSTALL YEAR 2014; USEFUL LIFE 24 YRS
16	2025	AR65073	PENITENCIA CREEK PIPELINE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$25,000	
17	2025	AR65161	PARK PONDS - CITY PARK POND INLET PIPE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	
18	2025	AR65235	ALAMITOS FISH LADDER	REPLACE FISH LADDER PANELS	\$25,000	
19	2025	AR65678	SUNNYOAKS PIPELINE	DEWATERING AND CLEANING, VIDEO INSPECTION	\$5,000	

Table B-11: Water Supply Management Systems (Operations) FY22-25 Planned Work

Water Supply Management Systems (Operations) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR66221	MADRONE CHANNEL PERCOLATION PONDS	POND GROOMING/CLEANING/CAPACITY RESTORATION PROJECTS - FOR ½ OF MADRONE PONDS, VEGETATION BELOW WATER LINE AS NEEDED	\$215,000	(GROUP 1 PONDS: 1,2,3,4,5,6) IN FY20, 21, 24; (GROUP 2 PONDS: 7,8,9,10) IN FY21, 23, 25; ALTERNATE EVERY YEAR
2	2022	AR65281	GUADALUPE PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$100,000	
3	2022	AR65305	KOOSER PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
4	2022	AR10790	CAMDEN PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$150,000	PREMANUFACTURED CONCRETE BLOCKS INSTALLED. DEPENDS IF MAINT STAFF HAS TIME WHEN THE PONDS ARE DRAINED.

Water Supply Management Systems (Operations) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
5	2022	AR65717	KIRK DESILTING POND	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
6	2022	AR65031	PENITENCIA (GROSS) PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$260,000	FOUR PONDS
7	2022	AR65104	HELMSLEY POND	POND GROOMING/CLEANING/CAPACITY RESTORATION PROJECTS	\$65,000	
8	2022	AR65247	ALAMITOS POND	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	ASKED VINNIE IF THIS WAS PART OF THE FY19 PROJECT THAT CARRIED INTO FY20. WAITING TO HERE BACK AND WILL RESCHEDULE IF NECESSARY.
9	2023	AR66221	MADRONE CHANNEL PERCOLATION PONDS	POND GROOMING/CLEANING/CAPACITY RESTORATION PROJECTS - FOR 1/2 OF MADRONE PONDS, VEGETATION BELOW	\$215,000	(GROUP 1 PONDS: 1,2,3,4,5,6) IN FY20, 21, 24; (GROUP 2 PONDS: 7,8,9,10) IN FY21, 23, 25; ALTERNATE EVERY YEAR

Water Supply Management Systems (Operations) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				WATER LINE AS NEEDED		
10	2023	AR10777	BUDD AVENUE PONDS	POND GROOMING/CLEANING/CAPACITY RESTORATION PROJECTS	\$130,000	
11	2023	AR10791	PAGE PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
12	2023	AR10792	SUNNYOAKS PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
13	2023	AR10794	MCGLINCY PONDS	POND GROOMING/CLEANING/CAPACITY RESTORATION PROJECTS	\$130,000	FOR SIX PONDS

Water Supply Management Systems (Operations) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
14	2023	AR65541	PAGE DITCH DESILTING BASIN POND	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
15	2023	AR65104	HELMSLEY POND	POND GROOMING, CLEANING, EMBANKMENT REPAIR	\$65,000	
16	2023	AR66324	CHURCH AVENUE PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$240,000	\$80K X 3 PONDS = \$240,000
17	2024	AR66221	MADRONE CHANNEL PERCOLATION PONDS	POND GROOMING/CLEANING/CAPACITY RESTORATION PROJECTS - FOR ½ OF MADRONE PONDS, VEGETATION BELOW WATER LINE AS NEEDED	\$215,000	(GROUP 1 PONDS: 1,2,3,4,5,6) IN FY20, 21, 24; (GROUP 2 PONDS: 7,8,9,10) IN FY21, 23, 25; ALTERNATE EVERY YEAR
18	2024	AR65305	KOOSER PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
19	2024	AR44249	PPO_PENETENCIA PERC	REPLACEMENT: CONTRACTOR	\$24,000	JAMES B. (ELECTRICAL)

Water Supply Management Systems (Operations) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			PONDS_RTU (SCADA)			
20	2024	AR65860	COYOTE CANAL	REFURBISH FACILITY: THIS IS A LARGE PROJECT, IT MUST BE PROPERLY ABANDONED		DECOMISSIONED IN 1999; MUST BE PROPERLY ABANDONED; A REQUEST HAS BEEN SUBMITTED FOR A CAPITAL PLANNING STUDY.
21	2024	AR65954	COYOTE-ALAMITOS CANAL	DECOMMISSION COYOTE-ALAMITOS CANAL - CAPITAL PROJECT		DECOMISSIONED IN 1999; MUST BE PROPERLY ABANDONED; A REQUEST HAS BEEN SUBMITTED FOR A CAPITAL PLANNING STUDY.
22	2025	AR66137	MAIN AVENUE PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$72,500	
23	2025	AR66138	MAIN AVENUE DESILT BASIN	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$72,500	
24	2025	AR66166	SAN PEDRO PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$100,000	GROOMING WAS NOT NEEDED IN FY17; RESCHEDULED TO FY25

Water Supply Management Systems (Operations) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
25	2025	AR66221	MADRONE CHANNEL PERCOLATION PONDS	POND GROOMING/CLEANING/CAPACITY RESTORATION PROJECTS - FOR ½ OF MADRONE PONDS, VEGETATION BELOW WATER LINE AS NEEDED	\$215,000	(GROUP 1 PONDS: 1,2,3,4,5,6) IN FY20, 21, 24; (GROUP 2 PONDS: 7,8,9,10) IN FY21, 23, 25; ALTERNATE EVERY YEAR
26	2025	AR65235	ALAMITOS FISH LADDER	REHABILITATION: REPLACE FISH LADDER PANELS, 10YR; \$25,000	25000	
27	2025	AR10777	BUDD AVENUE PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
28	2025	AR10791	PAGE PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
29	2025	AR10792	SUNNYOAKS PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$130,000	
30	2025	AR10793	OKA LANE PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$315,577	CLOSE OUT AT NWP AND MOVE TO 2025; CARRIED OVER FROM FY19; IN THE FUTURE THIS STRATEGY WILL APPEAR AT \$100,000

Water Supply Management Systems (Operations) FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
31	2025	AR65116	CAPITOL PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$520,000	CLOSE OUT AS NWP AND MOVE TO 2025; EIGHT PONDS; CARRIED OVER FROM FY19; IN THE FUTURE THIS STRATEGY WILL APPEAR AT \$520,000
32	2025	AR65116	CAPITOL PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$520,000	EIGHT PONDS
33	2025	AR66346	MCCLELLAN PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$115,100	CLOSE OUT AS NWP AND MOVE OUT TO FY25; \$50,000 X 2 PONDS = \$100,000; IN THE FUTURE THIS STRATEGY WILL APPEAR AT \$100,000
34	2025	AR65075	PIEDMONT PONDS	POND GROOMING, CLEANING, EMBANKMENT REPAIR AS NEEDED	\$100,000	FOR FOUR PONDS

Table B-12: San Felipe Division Reach 1 FY22-25 Planned Work

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR40601	PAC - STA. 481+95 VAULT PSV (PACHECO SECTIONALIZING VALVE) (SFR3); THE REACH COULD BE WRONG IN MAXIMO	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$500,000	NOT DONE IN FY18, TALK TO THOMAS - WAS TO BE DONE IN FY20 WITH THE CVP REHAB PROJECT
2	2022	AR40601	PAC - STA. 481+95 VAULT PSV (PACHECO SECTIONALIZING VALVE) (SFR3); THE REACH COULD BE WRONG IN MAXIMO	REHABILITATION OF VAULT & APPURTENANCES	\$500,000	E67757,E67759,E67760 PLUS ACTUATOR / SFR3; TALK TO THOMAS -WAS TO BE DONE IN FY20 WITH THE CVP REHAB PROJECT
3	2022	AR67757	PAC - PSV 84 INCH LINE VALVE	REPLACE	\$220,000	NOT DONE IN FY18, TO BE DONE IN FY20 WITH THE CVP REHAB PROJECT
4	2022	AR67758	PAC - PSV 84 IN LINE VALVE ELECTRIC VALVE ACTUATOR	REPLACEMENT	\$20,250	NOT DONE IN FY18, TO BE DONE IN FY20 WITH THE CVP REHAB PROJECT

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
5	2022	AR67759	PAC VALVE - PSV 24 IN BYPASS VALVE	REPLACEMENT	\$19,500	NOT DONE IN FY18, TO BE DONE IN FY22
6	2022	AR67760	PAC - PSV 24 IN BYPASS VALVE ACTUATOR	REPLACEMENT	\$10,050	NOT DONE IN FY18, TO BE DONE IN FY22
7	2022	AR42163	PACHECO TUNNEL SURGE STRUCTURE	INSPECTION: INSPECTION (THIS INCLUDES THE COST FOR ENVIRONMENTAL, DEWATERING, PLANNING AND INSEPTION, ETC.) - MODIFIED MS ST5 ACTIVITY 1, INSPECTION, 4/14/16, JAM, SWITCHED TO ACTIVITY #2, 7/19/16, JAM	10000	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
8	2022	AR42166	PACHECO TUNNEL REACH 1 INLET STRUCTURE - UPPER	INSPECTION: NEW ACTIVITY 4/14/16, JAM	10000	
9	2022	AR42167	PACHECO TUNNEL REACH 1 INLET STRUCTURE - LOWER	INSPECTION: NEW ACTIVITY 4/14/16, JAM	10000	
10	2022	AR50672	PPP - STA. 102+40 TO STA. 200+45 TUNNEL STRUCTURE REACH 1	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC); TUNNEL INSPECTIONS (ROBOTIC INSPECTION ONLY)	125000	PIPELINES, INCLUDES ASSET E50673; PPP STATION TO SAN LUIS

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
11	2022	AR50673	PACHECO TUNNEL REACH 1 GATE SHAFT	INSPECTION: INSPECTION (THIS INCLUDES THE COST FOR ENVIRONMEN TAL, DEWATERING, PLANNING AND INSEPCTION, ETC.) - MODIFIED MS ST5 ACTIVITY 1, INSPECTION, 4/14/16, JAM, SWITCHED TO ACTIVITY #2, 7/19/16, JAM	10000	
12	2022	AR40600	PACHECO TUNNEL REACH 2 - STA. 206+09.93 - STA. 481+95	REHABILITATI ON: REHABILITATI ON; COST = \$300K/PER STICK AND REHABBING 3 SECTIONS PER REPAIR. INCLUDES DEWATERING COSTS	423000	
13	2022	AR40600	PACHECO TUNNEL REACH 2 - STA. 206+09.93 - STA. 481+95	DEWATERING: DEWATERING & VENTING - BASIC COST TO DEWATER & REFILL TUNNEL AND TO ESTABLISH & MAINTAIN VENTILATION SYSTEM	38144	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
14	2022	AR52238	PPP HVAC GALLERY, CHILLER #1, COMPRESS OR 1	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	
15	2022	AR52239	PPP HVAC GALLERY, CHILLER #1, COMPRESS OR 2	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	
16	2022	AR52898	PPP HVAC GALLERY, CHILLER #2, COMPRESS OR 1	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	
17	2022	AR52899	PPP HVAC GALLERY, CHILLER #2, COMPRESS OR 2	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
18	2022	AR52100	PPP PACHECO SWYD, SWITCHGEA R 1A	INSPECTION:	4444	
19	2022	AR52102	PPP PACHECO SWYD, SWGR 1A PULL SECTION TVSS	INSPECTION:	4444	
20	2022	AR52121	PPP PACHECO SWYD, SWITCHGEA R 2A	INSPECTION:	4444	
21	2022	AR52122	PPP SWGR 2A BATTERY & CHARGER	INSPECTION:	4444	
22	2022	AR52123	PPP SWGR 2A PULL SECTION TVSS	INSPECTION:	4444	
23	2022	AR52197	PPP PUMP GALLERY, MAIN SWITCH BOARD (SWDB-1)	INSPECTION:	4444	
24	2022	PHANTO M	PPP - WAPA CONTRACT	DISTRICT LABOR	\$8,000	EE UNIT

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
25	2022	PHANTOM	PPP WAPA MAINTENANCE CONTRACT	PPP WAPA MAINT. CONTRACT 008	\$30,000	CONTRACT COST VARIES WITH YEAR (CONFIRM WITH EE UNIT)
26	2022	AR52232	PPP ASD GALLERY; (PLC 1 & 2) POWER SUPPLY	REHABILITATION - REPLACE BATTERIES AND INSPECT	\$1,000	REPLACE (MUX; RTU; LCP; etc) 20YR; REHAB 3YR; ADJUST REHAB CYCLE FROM 5 TO 3 YEAR INTERVAL; 10 OR 3 YEAR REPLACEMENT? UPDATED COST TO \$5,000 PER MAINT
27	2022	AR52926	PPP ASD GALLERY, RAW WATER COMMUNICATION, UPS	INSPECTION: INSPECT AND REPLACE BATTERIES	1000	
28	2022	AR42081	PACHECO PUMP UNIT #8 MOTOR	REPLACEMENT - 2 PARTS: 1. INSPECT BEARINGS, 2. TEST MOTOR, CLEAN, VPI, ROTOR N STATOR WINDING, RETEST, BALLANCING AND VIBRATION TESTING.	\$16,000	
29	2022	AR42081	PACHECO PUMP UNIT #8 MOTOR	REPLACEMENT - REHAB. STATOR AND/OR ROTOR RE-WIND (AS NEEDED BASED ON TEST	\$16,000	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				RESULTS FROM ACTIVITY 2)		
30	2022	AR42081	PACHECO PUMP UNIT #8 MOTOR	REPLACEMENT - REHABILITATION, BEARINGS (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2)	\$16,000	
31	2022	AR42082	PACHECO PUMP UNIT #8 PUMP	REHABILITATION - STD REBUILD	\$900,000	
32	2022	AR42084	PACHECO PUMP UNIT #8 PUMP DISCHARGE VALVE	REHABILITATION	\$12,500	ROTO VALVES REPLACED WITH PUMP REBUILD
33	2022	AR42085	PACHECO PUMP UNIT #8 PUMP DISCH VALVE HYD OP	REHABILITATION - SEALS AND HOSES; HONE; 2 HARD PARTS	\$12,500	REHAB 20YR; REPLACE 40YR

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
34	2022	AR42086	PACHECO PUMP UNIT #8 PUMP DISCHARGE GUARD VALVE	REPLACEMENT	\$107,500	REPLACE IN-KIND, REQUIRES REGULATING TANK AND MANIFOLD TO BE DRAINED - LARGE EFFORT REQUIRED; ONE SHUTDOWN A YEAR, CHECK WITH OPS. CAN TWO VALVES BE DONE?; 14 WEEK LEAD TIME @ \$44K - BM
35	2022	AR42112	PACHECO PUMP UNIT #10 PUMP DISCHARGE GUARD VALVE	REPLACEMENT: REDUCED FREQUENCY TO 30 YRS FROM 40 YRS, 4/29/16, JAM	107500	
36	2022	AR	PACHECO PUMP UNIT #8 PUMP AIR RELEASE VALVE	REPLACEMENT	\$1,350	REPLACED WITH PUMP REBUILD; KEEP WITH THE PUMP UNTIL A DECISION HAS BEEN MADE REGARDING PUMP REBUILD FREQUENCY
37	2022	AR	PACHECO TUNNEL REACH 1 INLET STRUCTURE - LOWER		\$600,000	SFR1 PLAN RECOMMENDATION FROM 2013
38	2022	AR	PACHECO TUNNEL REACH 1 INLET STRUCTURE - UPPER		\$600,000	SFR1 PLAN RECOMMENDATION FROM 2013
39	2022	AR	PACHECO TUNNEL		\$1,800,000	SFR1 PLAN RECOMMENDATION FROM 2013

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			SURGE STRUCTURE			
40	2022	AR	PACHECO TUNNEL REACH 1 GATE SHAFT/TUNNEL ISLAND (STA 125+40)		\$1,800,000	SFR1 PLAN RECOMMENDATION FROM 2013
41	2022	AR42164	PPP - SOURCE OF SUPPLY SYSTEM LEVEL INSTRUMENT SURGE STRUCTURE		\$4,500	REPLACE 15 YRS
170	2023	AR	PPP - WAPA CONTRACT	PPP WAPA MAINT. CONTRACT 008	\$30,000	COST OF CONTRACT
171	2023	AR52101	PPP PACHECO SWYD; SWGR 1A BATTERY & CHARGER	REPLACEMENT, BATTERY	\$5,000	DEVELOP MS
172	2023	AR52122	PPP SWGR 2A BATTERY & CHARGER	REPLACEMENT, BATTERY	\$5,000	DEVELOP MS
173	2023	AR52142	PPP PUMP GALLERY, 30 KVA TRANSFORMER (SH-1)	INSPECTION:	4444	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
174	2023	PHANTOM	PPP - WAPA CONTRACT	DISTRICT LABOR	\$8,000	CONTRACT COST VARIES WITH YEAR
175	2023	AR52233	PPP ASD GALLERY; (PCP 1 -12)	REPLACEMENT BATTERY PAK (1 -12)	\$1,750	CHANGE TO 5 YEAR INTERVAL PER HAROLD (SHOULD SAY PCP 1-12) BECAUSE AS IS THIS IS A REPEAT OF ITEM ABOVE. ARVIND RECOMMENDS 3 YEARS AND THERE ARE 12 PUMP CONTROL PANELS (PCP)
176	2023	AR42094	PACHECO PUMP UNIT #9 MOTOR	REPLACEMENT - 2 PARTS: 1. INSPECT BEARINGS, 2. TEST MOTOR, CLEAN, VPI, ROTOR N STATOR WINDING, RETEST, BALLANCING AND VIBRATION TESTING.	\$16,000	
177	2023	AR42094	PACHECO PUMP UNIT #9 MOTOR	REPLACEMENT - REHAB. STATOR AND/OR ROTOR RE-WIND (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2)	\$16,000	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
178	2023	AR42094	PACHECO PUMP UNIT #9 MOTOR	REPLACEMENT - REHABILITATION, BEARINGS (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2)	\$16,000	
179	2023	AR42095	PACHECO PUMP UNIT #9 PUMP	REHABILITATION - STD. REBUILD	\$900,000	NEEDS CONTRACT AND BOARD APPROVAL
180	2023	AR42097	PACHECO PUMP UNIT #9 PUMP DISCHARGE VALVE	REHABILITATION	\$12,500	ROTO VALVES REPLACED WITH PUMP REBUILD
181	2023	AR42099	PACHECO PUMP UNIT #9 PUMP DISCHARGE GUARD VALVE	REPLACEMENT	\$107,500	REPLACE IN-KIND, REQUIRES REGULATING TANK AND MANIFOLD TO BE DRAINED - LARGE EFFORT REQUIRED; ONE SHUTDOWN A YEAR, CHECK WITH OPS. CAN TWO VALVES BE DONE?; 14 WEEK LEAD TIME @\$44K - BM

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
182	2023	AR42133	PACHECO PUMP UNIT #12 MOTOR	REPLACEMENT - 2 PARTS: 1. INSPECT BEARINGS, 2. TEST MOTOR, CLEAN, VPI, ROTOR N STATOR WINDING, RETEST, BALLANCING AND VIBRATION TESTING.	\$16,000	IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
183	2023	AR42133	PACHECO PUMP UNIT #12 MOTOR	REPLACEMENT - REHAB. STATOR AND/OR ROTOR RE-WIND (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2)	\$16,000	IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
184	2023	AR42133	PACHECO PUMP UNIT #12 MOTOR	REPLACEMENT - REHABILITATION, BEARINGS (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2)	\$16,000	IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
185	2023	AR42134	PACHECO PUMP UNIT #12 PUMP	REHABILITATION - STD REBUILD	\$900,000	NEEDS CONTRACT AND BOARD APPROVAL; IT'S POSSIBLE REBUILDS WILL STOP IN FY21

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
186	2023	AR42135	PACHECO PUMP UNIT #12 PUMP AIR RELEASE VALVE	REPLACE	\$1,350	REPLACED WITH PUMP REBUILD; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
187	2023	AR42136	PACHECO PUMP UNIT #12 PUMP DISCHARGE VALVE	REHABILITATION	\$12,500	ROTO VALVES REPLACED WITH PUMP REBUILD; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
188	2023	AR42137	PACHECO PUMP UNIT #12 PUMP DISCH VLV HYD OP	REHAB	\$5,000	IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
189	2023	AR42138	PACHECO PUMP UNIT #12 PUMP DISCHARGE GUARD VALVE	REPLACEMENT	\$107,500	REPLACE IN-KIND, REQUIRES REGULATING TANK AND MANIFOLD TO BE DRAINED - LARGE EFFORT REQUIRED; ONE SHUTDOWN A YEAR, CHECK WITH OPS. CAN TWO VALVES BE DONE?; 14 WEEK LEAD TIME @ \$44K - BM
190	2023	AR	PACHECO PUMP UNIT #9 PUMP AIR RELEASE VALVE	REPLACEMENT	\$1,350	REPLACED WITH PUMP REBUILD
191	2023	AR	PACHECO PUMP UNIT #9 PUMP DISCH	REHABILITATION - SEALS AND HOSES; HONE; 2 HARD PARTS	\$12,500	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			VALVE HYD OP			
192	2023	AR	ELECTRICAL TESTING	TESTING AGENCY	\$24,000	BID AMOUNT VARIES WITH PLANT
193	2023	PHANTOM	PPP - ELECTRICAL TESTING	DISTRICT LABOR	\$12,000	
214	2024	AR40117	PAC - BIF STAND-BY GENERATOR	REPLACEMENT:	27750	
215	2024	AR41485	PPP - HVOS ACCUMULATOR TANK #2	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY24; A002040-09; FACILITIES: ASME UNFIRED PRESSURE VESSEL CODE
216	2024	AR30893	PPP - MAIN ELECTRICAL SYSTEM STANDBY GENERATOR TANK PROPANE	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES 3/24/24; L015143-03
217	2024	AR52100	PPP PACHECO SWYD, SWITCHGEAR 1A	INSPECTION:	4444	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
218	2024	AR52102	PPP PACHECO SWYD, SWGR 1A PULL SECTION TVSS	INSPECTION:	4444	
219	2024	AR52121	PPP PACHECO SWYD, SWITCHGEA R 2A	INSPECTION:	4444	
220	2024	AR52122	PPP SWGR 2A BATTERY & CHARGER	INSPECTION:	4444	
221	2024	AR52123	PPP SWGR 2A PULL SECTION TVSS	INSPECTION:	4444	
222	2024	AR52197	PPP PUMP GALLERY, MAIN SWITCH BOARD (SWDB-1)	INSPECTION:	4444	
223	2024	PHANTOM	PPP - WAPA CONTRACT	ADMINISTRATI ON COST:	\$40,000	
224	2024	AR52170	PPP ASD GALLERY; BACKUP CONTROL PANEL; BCP	REPLACEMEN T: PLC, CONTRACTOR	\$36,000	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
225	2024	AR52171	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-1	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
226	2024	AR52173	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-2	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
227	2024	AR52175	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-3	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
228	2024	AR52177	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-4	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
229	2024	AR52179	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-5	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
230	2024	AR52181	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-6	REPLACEMENT: PLC, CONTRACTOR	\$36,000	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
231	2024	AR52183	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-7	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
232	2024	AR52185	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-8	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
233	2024	AR52187	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-9	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
234	2024	AR52189	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-10	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
235	2024	AR52191	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-11	REPLACEMENT: PLC, CONTRACTOR	\$36,000	
236	2024	AR52193	PPP ASD GALLERY; PUMP CONTROL PANEL; PCP-12	REPLACEMENT: PLC, CONTRACTOR	\$36,000	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
237	2024	AR42019	PACHECO PUMP UNIT #3 PUMP DISCHARGE VALVE	REHABILITATION	\$12,500	ROTO VALVES REPLACED WITH PUMP REBUILD
238	2024	AR42021	PACHECO PUMP UNIT #3 PUMP DISCHARGE GUARD VALVE	REPLACEMENT	\$107,500	REPLACE IN-KIND, REQUIRES REGULATING TANK AND MANIFOLD TO BE DRAINED - LARGE EFFORT REQUIRED; ONE SHUTDOWN A YEAR, CHECK WITH OPS. CAN TWO VALVES BE DONE?; 14 WEEK LEAD TIME @\$44K - BM
239	2024	AR42120	PACHECO PUMP UNIT #11 MOTOR	REPLACEMENT - 2 PARTS: 1. INSPECT BEARINGS, 2. TEST MOTOR, CLEAN, VPI, ROTOR N STATOR WINDING, RETEST, BALLANCING AND VIBRATION TESTING.	\$16,000	REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
240	2024	AR42120	PACHECO PUMP UNIT #11 MOTOR	REPLACEMENT - REHAB. STATOR AND/OR ROTOR RE-WIND (AS NEEDED BASED ON TEST RESULTS	\$20,000	PRICE ADJUSMENT: REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				FROM ACTIVITY 2); DEPENDS ON TEST INSPECTION		
241	2024	AR42120	PACHECO PUMP UNIT #11 MOTOR	REPLACEMENT - REFURBISH MOTOR WINDINGS AND BEARINGS: DEPENDS ON TEST INSPECTION	\$40,000	PRICE ADJUSTMENT: REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
242	2024	AR42121	PACHECO PUMP UNIT #11 PUMP	REHABILITATION - STD REBUILD W/ NEW COUPLINGS & NUTS	\$900,000	NEEDS CONTRACT AND BOARD APPROVAL; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
243	2024	AR42123	PACHECO PUMP UNIT #11 PUMP DISCHARGE VALVE	REHABILITATION	\$12,500	REPLACE 40YR, REHAB 12: ROTO VALVES REPLACED WITH PUMP REBUILD; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
244	2024	AR42125	PACHECO PUMP UNIT #11 PUMP DISCHARGE GUARD VALVE	REPLACEMENT	\$107,500	REPLACE IN-KIND, REQUIRES REGULATING TANK AND MANIFOLD TO BE DRAINED - LARGE EFFORT REQUIRED; ONE SHUTDOWN A YEAR, CHECK WITH OPS. CAN TWO VALVES BE DONE?; 14 WEEK LEAD TIME @\$44K - BM; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
245	2024	AR	PACHECO PUMP UNIT #11 PUMP DISCH VLV HYD OP	REHAB	\$5,000	REPLACE 40YR, REHAB 20YR; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21 - SHOULD WE KEEP THE APPURTENANCES FOR FY22?
246	2024	AR	PACHECO PUMP UNIT #11 PUMP AIR RELEASE VALVE	REPLACE	\$1,350	REPLACED WITH PUMP REBUILD; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21 - SHOULD WE KEEP THE APPURTENANCES FOR FY22?

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
247	2024	AR	PACHECO PUMP UNIT #3 PUMP	REHABILITATION - STD REBUILD W/ NEW COUPLINGS & NUTS	\$900,000	NEEDS CONTRACT AND BOARD APPROVAL; THE MOTOR IS BEING SENT OUT FOR REPAIRS IN 2019 DUE TO A BURNT OUT B PHASE IN THE MAIN TERMINAL BOX. THE WORK PERFORMED MAY PUSH THE 2024 REBUILD OUT.
248	2024	AR	PACHECO PUMP UNIT #3 PUMP DISCH VLV HYD OP	REHAB	\$5,000	
249	2024	AR	PACHECO PUMP UNIT #3 PUMP AIR RELEASE VALVE	REPLACE	\$1,350	REPLACED WITH PUMP REBUILD
250	2024	AR	PP PUMP UNIT 3 MOTOR	REFURBISH MOTOR WINDINGS AND BEARINGS	\$40,000	ARVIND THE COST SEEMS LOW. \$?
251	2024	SUZANNE NEEDS TO CREATE A NUMBER	PPP - PRESSURE VESSEL (200 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES 3/24/24; A015141-04
252	2024	SUZANNE NEEDS TO CREATE A NUMBER	PPP - PRESSURE VESSEL (350 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES 3/24/24; A002041-09

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
258	2025	AR52122	PPP SWGR 2A BATTERY & CHARGER	REPLACEMENT: REPLACEMENT, BATTERY	4500	
259	2025	AR52142	PPP PUMP GALLERY, 30 KVA TRANSFORMER (SH-1)	INSPECTION:	4444	
260	2025	AR52214	PPP ASD GALLERY; HMI SERVER	REPLACEMENT	\$3,000	JAMES B
261	2025	AR52925	PPP ASD GALLERY; PRIMARY DOMAIN CONTROLER (PDC)	REPLACEMENT	\$3,000	
262	2025	AR42042	PACHECO PUMP UNIT #5 MOTOR	REPLACEMENT - 2 PARTS: 1. INSPECT BEARINGS, 2. TEST MOTOR, CLEAN, VPI, ROTOR N STATOR WINDING, RETEST, BALLANCING AND VIBRATION TESTING.	\$16,000	REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
263	2025	AR42042	PACHECO PUMP UNIT #5 MOTOR	REPLACEMENT - REHAB. STATOR AND/OR ROTOR REWIND (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2); DEPENDS ON TEST INSPECTION	\$20,000	PRICE ADJUSTMENT: REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
264	2025	AR42042	PACHECO PUMP UNIT #5 MOTOR	REPLACEMENT - REHABILITATION, BEARINGS (AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2); DEPENDS ON TEST INSPECTION	\$16,000	REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
265	2025	AR42042	PACHECO PUMP UNIT #5 MOTOR	REFURBISH MOTOR WINDINGS AND BEARINGS:(AS NEEDED BASED ON TEST RESULTS FROM ACTIVITY 2) DEPENDS ON TEST INSPECTION	\$40,000	REPLACE 50YR, REHAB 12YR; COOLER REHAB 24YR; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
266	2025	AR42043	PACHECO PUMP UNIT #5 PUMP	REHABILITATION - STD RREBUILD	\$900,000	NEEDS CONTRACT AND BOARD APPROVAL; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
267	2025	AR42045	PACHECO PUMP UNIT #5 PUMP DISCHARGE VALVE	REHABILITATION	\$12,500	REPLACE 40YR, REHAB 12: ROTO VALVES REPLACED WITH PUMP REBUILD; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21
268	2025	AR42047	PACHECO PUMP UNIT #5 PUMP DISCHARGE GUARD VALVE	REPLACEMENT	\$107,500	REPLACE IN-KIND, REQUIRES REGULATING TANK AND MANIFOLD TO BE DRAINED - LARGE EFFORT REQUIRED; ONE SHUTDOWN A YEAR, CHECK WITH OPS. CAN TWO VALVES BE DONE?; 14 WEEK LEAD TIME @\$44K - BM
269	2025	AR42296	PACHECO PUMP UNIT #4 PANAMETRICS FLOW METER	REPLACEMENT:	11050	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
270	2025	AR54406	PACHECO PUMP, UNIT#1, PUMP MOTOR ASSESSMENT PANEL #1 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	
271	2025	AR54407	PACHECO PUMP, UNIT #2, PUMP MOTOR ASSESSMENT PANEL #2 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
272	2025	AR54408	PACHECO PUMP, UNIT #3, PUMP MOTOR ASSESSMENT PANEL #3 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	
273	2025	AR54409	PACHECO PUMP, UNIT # 4,PUMP MOTOR ASSESSMENT PANEL #4 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
274	2025	AR54410	PACHECO PUMP, UNIT #5, PUMP MOTOR ASSESSMENT PANEL #5 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	
275	2025	AR54411	PACHECO PUMP, UNIT #6, PUMPMOTOR ASSESSMENT PANEL #6 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
276	2025	AR54412	PACHECO PUMP, UNIT #7, PUMP MOTOR ASSESSMENT PANEL #7 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	
277	2025	AR54413	PACHECO PUMP, UNIT# 8, PUMP MOTOR ASSESSMENT PANEL #8 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
278	2025	AR54414	PACHECO PUMP, UNIT #9, PUMP MOTOR ASSESSMENT PANEL #9 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	
279	2025	AR54415	PACHECO PUMP, UNIT #10, PUMP MOTOR ASSESSMENT PANEL #10 (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
280	2025	AR54416	PACHECO PUMP, UNIT#11 PUMP MOTOR ASSESSMENT PANEL #11(PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	
281	2025	AR54417	PACHECO PUMP, UNIT #12 PUMP MOTOR ASSESSMENT PANEL (PMAP)	REPLACEMENT: INSPECT AND REPLACE PLC, CONTRACTOR ; SET COST CHANGED TO REFLECT MS REVISION NOTES. KEEP IN MIND EQUIPMENT COST IS \$22,500. JC 9/3/19	11250	
282	2025	AR42147	PACHECO PUMP PORTABLE AIR COMPRESSOR	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	

San Felipe Division Reach 1 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
283	2025	AR42160	PACHECO PUMP SHOP AIR COMPRESSOR	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	IN GOOD CONDIITON, EVALUATE IN 2022
284	2025	AR	PACHECO PUMP UNIT #5 PUMP DISCH VLV HYD OP	REHAB	\$5,000	IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21 - SHOULD WE KEEP THE APPURTENANCES FOR FY22?
285	2025	AR	PACHECO PUMP UNIT #5 PUMP AIR RELEASE VALVE	REPLACE	\$1,350	REPLACED WITH PUMP REBUILD; IT'S POSSIBLE PUMP REBUILDS WILL STOP IN FY21 - SHOULD WE KEEP THE APPURTENANCES FOR FY22?

Table B-13: San Felipe Division Reach 2 FY22-25 Planned Work

San Felipe Division Reach 2 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR40600	PACHECO TUNNEL REACH 2 - STA. 206+09.93 - STA. 481+95	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$300,000	PAC PACHECO TUNNEL R2 -TANK TO PSV
2	2022	AR40712	SCC STRUCTURE - BLOCKHOUSE - STA. 15+00	REPLACEMENT: CONTRACTOR	20000	
3	2022	AR40714	SCC STRUCTURE - TUNNEL - BEGIN SANTA CLARA TUNNEL - STA. 15+18.530	TUNNEL INSPECTION	10000	DOES THIS INCLUDE REPAIR? IF SO UPDATE PROJECT NUMBER TO 10-YR PL BUDGET #
4	2022	AR40719	SCC STRUCTURE - BLOCKHOUSE - STA. 30+74	REPLACEMENT: CONTRACTOR	20000	
5	2022	AR40700	SCC - PCCP PIPING BFI TO CFI (SFR2) (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$500,000	CONFIRMED WITH UME

Appendix B: FY2022- 2025

6	2022	AR40700	SCC - PCCP PIPING BFI TO CFI (SFR2) (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS + AFO AS NEEDED	\$1,500,000	CONFIRMED WITH UME
7	2022	AR68116	SCC-STA. 3+63- FLOWMETER VAULT	REPLACEMENT:		
8	2022	AR68117	SCC FLOWMETER VAULT - STA. 80+41	REPLACEMENT:		
9	2022	AR40749	SCC - STA. 80+47.5 VAULT CFI (SFR2)	REHABILITATION OF VAULT & APPURTENANCES	\$24,000	NEEDS A MS IN AMPT
10	2022	AR40907	CFI 20" MANUAL BFV	REPLACEMENT: FREQUENCY REDUCED FROM 40 TO 30, 4/27/16, JAM	14100	
11	2022	AR40910	CFI 20" MANUAL BFV	REPLACEMENT: FREQUENCY REDUCED FROM 40 TO 30, 4/27/16, JAM	14100	

Appendix B: FY2022- 2025

12	2022	AR40916	CFI AIR BLOWER	REPLACEMENT:	3000	
13	2022	AR40917	CFI AIR COMPRESSOR	REPLACEMENT: UPDATED MULTIPLIER FROM 1.4 TO 2, 5/4/16, JAM	9000	
14	2022	AR40918	CFI HVOS HYDRAULIC PUMP	REPLACEMENT: THE REPLACEMENT SHOULD BE PLANNED TO COINCIDE WITH THE TUNNEL INSPECTION, ALSO PISTON PUMP, HAND OPERATIVE	2000	
15	2022	AR40919	CFI HVOS SYSTEM CONTROLS	REPLACEMENT:	3750	
16	2022	AR40920	SCC_CFI_CAV LAVERAS FAULT INLET_RTU (SCADA)	REHABILITATION: REPLACE PLC; MODEN; RADIO; ETC	9000	

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17	2022	AR40921	CFI SUMP PUMP AND LEVEL CONTROLS	REPLACEMENT:	3750	
18	2022	AR40924	CFI CALAVERAS FAULT INLET HYDRAULIC ACCUMULAT OR TANK	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	WU TANK CONTRACT - ROBERT'S GROUP WILL ASSIST DURING TESTING; FACILITIES: ASME UNFIRED PRESSURE VESSEL CODE: (NEED TO CHECK THE LABEL)
19	2022	AR40925	CFI CALAVERAS FAULT INLET HYDRAULIC RETURN TANK	INSPECTION: INCLUDES CLEANING COST	\$16,000	WU TANK CONTRACT - ROBERT'S GROUP WILL ASSIST DURING TESTING (NEED TO CHECK THE LABEL)
20	2022	AR40926	CFI 66" HYDRAULIC ALLY OPERATED BVF #1	REPLACEMENT:	122000	
21	2022	AR40928	CFI 66" HYDRAULIC ALLY OPERATED BVF #2	REPLACEMENT:	122000	
22	2022	AR68119	CFI 66" BVF #1 HYDRAULIC ACTUATOR	REPLACEMENT:	40000	

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23	2022	AR68120	CFI 66" BVF #2 HYDRAULIC ACTUATOR	REPLACEMENT:	40000	
24	2022	AR66895	SCC - PCCP PIPING TWIN 66IN BORE @CFI/CFO (SFR2) (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL, ELECTROMAGNETIC)	\$14,605	
25	2022	AR66895	SCC - PCCP PIPING TWIN 66IN BORE @CFI/CFO (SFR2) (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS + AFO AS NEEDED	\$44,000	
26	2022	AR40754	SCC - STA. 87+59.74 VAULT CFO (SFR2)	REHABILITATION OF VAULT & APPURTENANCES	\$24,000	NEEDS A MS IN AMPT
27	2022	AR40929	CFO AIR BLOWER	REPLACEMENT:	3000	
28	2022	AR40930	CFO AIR COMPRESSOR	REPLACEMENT: UPDATED MULTIPLIER FROM 1.4 TO 2, 5/4/16, JAM	9000	

Appendix B: FY2022- 2025

29	2022	AR40931	CFO HVOS HYDRAULIC PUMP	REPLACEMENT: THE REPLACEMENT SHOULD BE PLANNED TO COINCIDE WITH THE TUNNEL INSPECTION, ALSO PISTON PUMP, HAND OPERATIVE	2000	
30	2022	AR40932	CFO HVOS HYOS SYSTEM CONTROLS	REPLACEMENT:	3750	
31	2022	AR40933	SCC_CFO_C ALAVERAS FAULT OUTLET_RT U (SCADA)	REHABILITATION: REPLACE PLC; MODEN; RADIO; ETC	9000	
32	2022	AR40934	CFO SUMP PUMP AND LEVEL CONTROLS	REPLACEMENT:	3750	
33	2022	AR40935	CFO CALAVERAS FAULT OUTLET HYDRAULIC ACCUMULAT OR TANK	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	WU TANK CONTRACT - ROBERT'S GROUP WILL ASSIST DURING TESTING; FACILITIES: ASME UNFIRED PRESSURE VESSEL CODE

Appendix B: FY2022- 2025

34	2022	AR40936	CFO CALAVERAS FAULT OUTLET HYDRAULIC RETURN TANK	INSPECTION: INCLUDES CLEANING COST	\$16,000	WU TANK CONTRACT - ROBERT'S GROUP WILL ASSIST DURING TESTING; (NEED TO CHECK THE LABEL)
35	2022	AR40936	CFO HYDRAULIC RETURN TANK	INSPECTION: INCLUDES CLEANING COST	16000	
36	2022	AR40937	CFO 66" HYDRAULIC ALLY OPERATED BVF #1	REPLACEMENT:	122000	
37	2022	AR40938	CFO 66" HYDRAULIC ALLY OPERATED BVF #2	REPLACEMENT:	122000	
38	2022	AR68123	CFO 66" BVF #1 HYDRAULIC ACTUATOR	REPLACEMENT:	40000	
39	2022	AR68124	CFO 66" BVF #2 HYDRAULIC ACTUATOR	REPLACEMENT:	40000	
40	2022	AR68125	CFO 66" BVF #2 HYDRAULIC ACTUATOR	REPLACEMENT:	40000	

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41	2022	AR40757	SCC VAULT - FLOWMETER - STA. 87+99.15	REPLACEMENT:		
42	2022	AR40955	SCC VAULT - SV1 AIR BLOWER	REPLACEMENT:	3000	
43	2022	AR40956	SCC VAULT - SV1 MOTOR OPERATED 24" BFV (BYPASS)	REPLACEMENT:	19500	
44	2022	AR40957	SCC- SECTIONALIZING VALVE VAULT (SV-1)- (1-RTU)	REHABILITATION: REPLACE PLC; MODEN; RADIO; ETC	9000	
45	2022	AR40960	SCC VAULT - SV1 84" MOTOR OPERATED BFV	REPLACEMENT: REPLACE OR REBUILD	220000	
46	2022	AR40961	SCC VAULT - SV1 VACUUM AIR RELIEF VALVE #1	REPLACEMENT: ARV; ISOL. VALVE; COATING	12000	

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47	2022	AR40962	SCC VAULT - SV1 VACUUM AIR RELIEF VALVE #2	REPLACEMENT: ARV; ISOL. VALVE; COATING	12000	
48	2022	AR68129	SCC-SVALVE #1 84" BFV ELECTRIC ACTUATOR	REPLACEMENT:	20250	
49	2022	AR68130	SCC-SVALVE #1 24" BYPASS BFV ELECTRIC ACTUATOR	REPLACEMENT:	10050	
50	2022	AR40963	SCC VAULT - SV2 AIR BLOWER	REPLACEMENT:	3000	
51	2022	AR40964	SCC VAULT - SV2 MOTOR OPERATED 24" BFV (BYPASS)	REPLACEMENT:	19500	
52	2022	AR40965	SCC_SV2_SECTIONALIZING VALVE 2_RTU (SCADA)	REHABILITATION: REPLACE PLC; MODEN; RADIO; ETC	9000	
53	2022	AR40968	SCC VAULT - SV2 84" MOTOR OPERATED BFV	REPLACEMENT: REPLACE OR REBUILD	220000	

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54	2022	AR40969	SCC VAULT - SV2 VACUUM AIR RELEASE VALVE #1	REPLACEMENT: ARV; ISOL. VALVE; COATING	12000	
55	2022	AR40970	SCC VAULT - SV2 VACUUM AIR RELEASE VALVE #2	REPLACEMENT: ARV; ISOL. VALVE; COATING	12000	
56	2022	AR68133	SV2 84" BFV ELECTRIC ACTUATOR	REPLACEMENT:	20250	
57	2022	AR68134	SV2 24" BYPASS BFV ELECTRIC ACTUATOR	REPLACEMENT:	10050	
58	2022	AR40889	SCC VAULT - RAISED CONCRETE VAULT (FLOW METER VAULT) STA 357+70.19	REPLACEMENT:		
59	2022	AR40939	SCC_HMT_HALF ROAD AND MADRONE TURNOUT_R TU (SCADA)	REHABILITATION: REPLACE PLC; MODEN; RADIO; ETC	9000	
60	2022	AR40941	SCC VAULT - HALF ROAD MADRONE TURNOUT 12" POLY JET VALVE & OPERATOR	REPLACEMENT:	112500	

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61	2022	AR40942	SCC VAULT - HALF ROAD MADRONE TURNOUT VAULT 6" GATE VALVE (MARIANI)	REPLACEMEN T:	3750	
62	2022	AR40944	SCC VAULT - MAIN AVENUE TURNOUT 10" POLY JET VALVE & OPERATOR	REPLACEMEN T:	112500	
63	2022	AR40945	SCC VAULT - MAIN AVENUE TURNOUT FLOW METER	REPLACEMEN T:	11000	
64	2022	AR40947	SCC VAULT - SAN PEDRO POND 24" BURIED BFV (GUARD VALVE)	REPLACEMEN T:	19500	
65	2022	AR40949	SCC VAULT - SAN PEDRO FLOW CONTROL VAULT 12" MANUAL BFV	REPLACEMEN T: UPDATED FREQUENCY FROM 25 TO 20, 4/26/16, JAM	5600	
66	2022	AR40950	SCC VAULT - SAN PEDRO FLOW CONTROL VAULT METER DISPLAY	REPLACEMEN T:	3750	
67	2022	AR40952	SCC VAULT - SAN PEDRO FLOW CONTROL VAULT 12" SLEEVE VALVE AND ACTUATOR	REPLACEMEN T:	112500	

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68	2022	AR40953	SCC VAULT - MAIN AVENUE TURNOUT 10" GATE VALVE	REPLACEMEN T:	7950	
69	2022	AR40954	SCC VAULT - HALF ROAD MADRONE TURNOUT VAULT 6" FLOW METER	REPLACEMEN T:	11250	
70	2022	AR40971	SCC VAULT - HALF ROAD MADRONE TURNOUT VAULT 6" PRESSURE REDUCING VALVE	REPLACEMEN T:	14500	
71	2022	AR40972	SCC VAULT - HALF ROAD MADRONE TURNOUT VAULT 12" FLOW METER	REPLACEMEN T:	14000	
72	2022	AR40973	SCC VAULT - HALF ROAD MADRONE TURNOUT VAULT 12" GATE VALVE	REPLACEMEN T:	12375	
73	2022	AR40974	SCC VAULT - HALF ROAD MADRONE TURNOUT VAULT CENTRIFUG AL PUMP	REPLACEMEN T:	6000	
74	2022	AR44209	SCC_MNT_M AIN AVENUE TURNOUT_R TU (SCADA)	REHABILITATI ON: REPLACE PLC; MODEN; RADIO; ETC	9000	

Appendix B: FY2022- 2025

75	2022	AR68136	SCC-SV2 84" BFV ELECTRIC ACTUATOR	REPLACEMEN T:	20250	
76	2022	AR68256	SCC - STA. 357+70.19 US FLOW METER SAN PEDRO POND	REPLACEMEN T:	21000	
77	2022	AR68126	SCC PIPING - CFO TO SV1 PIPING (SFR2) (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTER NAL, ELECTROMAG NETIC)	\$275,000	
78	2022	AR68126	SCC PIPING - CFO TO SV1 PIPING (SFR2) (PIPE)	REHABILITATI ON OF VAULTS & APPURTENAN CES; REHAB DISTRESSED PIPE SEGMENTS & AFO INSTALLATION AS NEEDED	\$573,000	

Table B-14: San Felipe Division Reach 3 FY22-25 Planned Work

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR42474	COYOTE PUMP (20 TON) OVERHEAD CRANE	INSPECTION:	0	
2	2022	AR42477	COYOTE PUMP UNDERGRO UND GRAYWATER STORAGE TANK #1	INSPECTION: EXTERNAL (E) AND (UT)	3000	
3	2022	AR42479	COYOTE PUMP UNDERGRO UND GRAYWATER STORAGE TANK #2	INSPECTION: EXTERNAL (E) AND (UT)	3000	
4	2022	AR42481	CPP COYOTE PUMP SEPTIC TANK	INSPECTION: EXTERNAL (E) AND (UT)	3000	REPLACE 50YR; INSPECT 5 OR 3?YRS; COAT 20YR (NEED TO INVESTIGATE STATE REGULATIONS); MANAGEMENT TO CONSIDER REMOVING THIS TANK AND CONNECTING TO THE NEW DEVELOPMENT.
5	2022	AR52015	CPP TRANSFORMER KZ1A (13 MVA)	REPLACEMENT: CONTRACTOR , UPDATED MS 5/6/16, JAM	927600	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
6	2022	AR52016	CPP TRANSFORMER KZ2A (13 MVA)	REPLACEMENT: CONTRACTOR , UPDATED MS 5/6/16, JAM	927600	
7	2022	AR42352	COYOTE PUMP HVOS AIR COMPRESSOR #1	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	
8	2022	AR42353	COYOTE PUMP HVOS AIR COMPRESSOR #2	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	
9	2022	AR42426	CPP UNIT #1 PUMP MOTOR ADJUSTABLE SPEED DRIVE	REPLACEMENT: UPDATED EQUIP COSTFROM 250K TO 365K, FREQ FROM 30 TO 25, AND MULT FROM 2.5 TO 1.5, 5/3/16, JAM	\$547,500	TO BE REMOVED IN CIP ASD PROJECT; ELECTRICAL TO RESEARCH THE WORK REQUIRED

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
10	2022	AR42428	CPP UNIT #1 PUMP MOTOR CAPACITOR BANKS	REPLACEMENT:	36000	
11	2022	AR42429	CPP UNIT #1 PUMP MOTOR FEEDBACK TRANSFORMER	REPLACEMENT: CONTRACTOR , UPDATED MS 5/6/16, JAM	927600	
12	2022	AR42433	CPP UNIT #2 PUMP MOTOR ADJUSTABLE SPEED DRIVE	REPLACEMENT: UPDATED EQUIP COSTFROM 250K TO 365K, FREQ FROM 30 TO 25, AND MULT FROM 2.5 TO 1.5, 5/3/16, JAM	\$547,500	TO BE REMOVED IN CIP ASD PROJECT; ELECTRICAL TO RESEARCH THE WORK REQUIRED
13	2022	AR42435	CPP UNIT #2 PUMP MOTOR CAPACITOR BANKS	REPLACEMENT:	36000	
14	2022	AR42436	CPP UNIT #2 PUMP MOTOR FEEDBACK TRANSFORMER	REPLACEMENT: CONTRACTOR , UPDATED MS 5/6/16, JAM	927600	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
15	2022	AR42440	CPP UNIT #3 PUMP MOTOR ADJUSTABLE SPEED DRIVE	REPLACEMENT: UPDATED EQUIP COSTFROM 250K TO 365K, FREQ FROM 30 TO 25, AND MULT FROM 2.5 TO 1.5, 5/3/16, JAM	\$547,500	TO BE REMOVED IN CIP ASD PROJECT; ELECTRICAL TO RESEARCH THE WORK REQUIRED
16	2022	AR42442	CPP UNIT #3 PUMP MOTOR CAPACITOR BANKS	REPLACEMENT:	36000	
17	2022	AR42443	CPP UNIT #3 PUMP MOTOR FEEDBACK TRANSFORMER	REPLACEMENT: CONTRACTOR , UPDATED MS 5/6/16, JAM	927600	
18	2022	AR42447	CPP UNIT #4 PUMP MOTOR ADJUSTABLE SPEED DRIVE	REPLACEMENT: UPDATED EQUIP COSTFROM 250K TO 365K, FREQ FROM 30 TO 25, AND MULT FROM 2.5 TO 1.5, 5/3/16, JAM	\$547,500	TO BE REMOVED IN CIP ASD PROJECT; ELECTRICAL TO RESEARCH THE WORK REQUIRED
19	2022	AR42449	CPP UNIT #4 PUMP MOTOR CAPACITOR BANKS	REPLACEMENT:	36000	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
20	2022	AR42450	CPP UNIT #4 PUMP MOTOR FEEDBACK TRANSFORMER	REPLACEMENT: CONTRACTOR , UPDATED MS 5/6/16, JAM	927600	
21	2022	AR42454	CPP UNIT #5 PUMP MOTOR ADJUSTABLE SPEED DRIVE	REPLACEMENT: UPDATED EQUIP COSTFROM 250K TO 365K, FREQ FROM 30 TO 25, AND MULT FROM 2.5 TO 1.5, 5/3/16, JAM	\$547,500	TO BE REMOVED IN CIP ASD PROJECT; ELECTRICAL TO RESEARCH THE WORK REQUIRED
22	2022	AR42456	CPP UNIT #5 PUMP MOTOR CAPACITOR & REACTOR BANKS	REPLACEMENT	\$36,000	TO BE REMOVED IN CAPITAL PROJECT; WAPA CONTRACT VARIES WITH YEAR; EE UNIT
23	2022	AR42457	CPP UNIT #5 PUMP MOTOR FEEDBACK TRANSFORMER	REPLACEMENT: CONTRACTOR , UPDATED MS 5/6/16, JAM	927600	
24	2022	AR42461	CPP UNIT #6 PUMP MOTOR ADJUSTABLE SPEED DRIVE	REPLACEMENT	\$547,500	TO BE REMOVED IN CIP ASD PROJECT; ELECTRICAL TO RESEARCH THE WORK REQUIRED

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
25	2022	AR42463	CPP UNIT #6 PUMP MOTOR CAPACITOR BANKS	REPLACEMENT:	36000	
26	2022	AR42464	CPP UNIT #6 PUMP MOTOR FEEDBACK TRANSFORMER	REPLACEMENT: CONTRACTOR , UPDATED MS 5/6/16, JAM	927600	
27	2022	AR42176	COYOTE PUMP 42" BYPASS VALVE OPERATOR (INSIDE PUMP BUILDING)	REPLACE	\$18,000	TO BE EVALUATED IN PLANNING AND MIGHT BE REPLACED IN CIP ASD PROJECT. WILL BE CONVERTED TO ELECTRICAL ACTUATORS
28	2022	AR42368	COYOTE PUMP UNIT #1 PUMP HVOS DISCHARGE VALVE ACTUATOR	REHABILITATION- SEALS AND HOSES; HONE; 2 HARD PARTS	\$4,000	TO BE EVALUATED IN PLANNING AND MIGHT BE REPLACED IN CIP ASD PROJECT. WILL BE CONVERTED TO ELECTRICAL ACTUATORS

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
29	2022	AR42378	COYOTE PUMP UNIT #2 PUMP HVOS DISCHARGE VALVE ACTUATOR	REPLACE	\$4,000	TO BE EVALUATED IN PLANNING AND MIGHT BE REPLACED IN CIP ASD PROJECT. WILL BE CONVERTED TO ELECTRICAL ACTUATORS
30	2022	AR42388	COYOTE PUMP UNIT #3 PUMP HVOS DISCHARGE VALVE ACTUATOR	REPLACE	\$4,000	TO BE EVALUATED IN PLANNING AND MIGHT BE REPLACED IN CIP ASD PROJECT. WILL BE CONVERTED TO ELECTRICAL ACTUATORS
31	2022	AR42398	COYOTE PUMP UNIT #4 PUMP HVOS DISCHARGE VALVE ACTUATOR	REPLACE	\$4,000	TO BE EVALUATED IN PLANNING AND MIGHT BE REPLACED IN CIP ASD PROJECT. WILL BE CONVERTED TO ELECTRICAL ACTUATORS

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
32	2022	AR42408	COYOTE PUMP UNIT #5 PUMP HVOS DISCHARGE VALVE ACTUATOR	REPLACE	\$12,500	TO BE EVALUATED IN PLANNING AND MIGHT BE REPLACED IN CIP ASD PROJECT. WILL BE CONVERTED TO ELECTRICAL ACTUATORS
33	2022	AR42418	COYOTE PUMP UNIT #6 PUMP HVOS DISCHARGE VALVE ACTUATOR	REPLACE	\$12,500	TO BE EVALUATED IN PLANNING AND MIGHT BE REPLACED IN CIP ASD PROJECT. WILL BE CONVERTED TO ELECTRICAL ACTUATORS
34	2022	AR42492	COYOTE PUMP ISOLATION VALVE CONTROL VALVE OPERATOR #1	REPLACE COYOTE PUMP ISOLATION VALVE CONTROL VALVE OPERATOR #1 2063 2017	\$15,000	TO BE REPLACED IN ASD PROJECT / EE UNIT
35	2022	AR42494	COYOTE PUMP ISOLATION VALVE CONTROL VALVE OPERATOR #2	REPLACE COYOTE PUMP ISOLATION VALVE CONTROL VALVE OPERATOR #2 2065 2017	\$15,000	TO BE REPLACED IN ASD PROJECT / EE UNIT

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
36	2022	AR42496	COYOTE PUMP ISOLATION VALVE CONTROL VALVE OPERATOR #3	REPLACE COYOTE PUMP ISOLATION VALVE CONTROL VALVE OPERATOR #3 2066 2017	\$15,000	TO BE REPLACED IN ASD PROJECT / EE UNIT
37	2022	AR42498	COYOTE PUMP ISOLATION VALVE CONTROL VALVE OPERATOR #4	REPLACE COYOTE PUMP ISOLATION VALVE CONTROL VALVE OPERATOR #4 2067 2017	\$15,000	TO BE REPLACED IN ASD PROJECT / EE UNIT
38	2022	HE42334	CPP PUMP AIR HANDLING UNIT #1	REPLACE COYOTE PUMP AIR HANDLING UNIT #1	30000	AMPT HAS AN INSTALL DATE OF 2014; CHECK WITH M. BOWDEN
39	2022	HE42335	CPP PUMP AIR HANDLING UNIT #2	REPLACE COYOTE PUMP AIR HANDLING UNIT #2	30000	AMPT HAS AN INSTALL DATE OF 2014; CHECK WITH M. BOWDEN
40	2022	HE42336	CPP PUMP AIR HANDLING UNIT #3	REPLACE COYOTE PUMP AIR HANDLING UNIT #3	30000	AMPT HAS AN INSTALL DATE OF 2014; CHECK WITH M. BOWDEN
41	2022	HE42337	CPP PUMP AIR HANDLING UNIT #4	REPLACE COYOTE PUMP AIR HANDLING UNIT #4 1921 2022	30000	AMPT HAS AN INSTALL DATE OF 2014; CHECK WITH M. BOWDEN
42	2022	AR	CPP WAPA MAINTENAN	CPP WAPA MAINT.	\$40,000	COST OF CONTRACT

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			CE CONTRACT	CONTRACT 009		
43	2022	PHANTOM	COYOTE PUMP WAPA CONTRACT	DISTRICT LABOR	\$8,000	
44	2022	AR40807	SCC - STA. 219+75 VAULT SV1 (SFR3)	REHABILITATION OF VAULT & APPURTENANCES	\$100,000	NEEDS A MS IN AMPT
45	2022	AR40856	SCC VAULT - SECTIONALIZING VALVE #2 (SV2) - STA. 301+53	REHABILITATION OF VAULT & APPURTENANCES	\$100,000	NEEDS MS IN AMPT
46	2022	AR42325	CPP CHILLER	REPLACE COYOTE PUMP BUILDING CHILLER 4854 2022	\$300,000	CHECK IF THIS WILL BE PART OF THE CIP ASD PROJECT - REQUIRES COOLING FOR NEW EQUIPMENT
47	2022	AR68131	SCC PIPING - SV1 TO SV2 PIPING (SFR3) (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL)	\$275,000	
48	2022	AR68131	SCC PIPING - SV1 TO SV2 PIPING (SFR3) (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$573,000	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
49	2022	AR68135	SCC PIPING - SV2 TO CPP PIPING (SFR3) (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL)	\$275,000	
50	2022	AR68135	SCC PIPING - SV2 TO CPP PIPING (SFR3) (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED	\$573,000	
75	2023	AR42474	COYOTE PUMP (20 TON) OVERHEAD CRANE	INSPECTION:	0	
76	2023	AR42482	COYOTE PUMP FUEL ISLAND TANK - ABOVE GROUND STORAGE TANK (AST)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	1000	LEAD: MIKE SPITERI
77	2023	AR42345	COYOTE PUMP HVOS RESERVOIR TANK	INSPECTION: EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	1000	OSHA INSPECTIONS: (E), (UT), PERMIT RENEWAL 5YR, COAT 20YR, REPLACE 40 YR

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
78	2023	AR42425	CPP UNIT #1 ASD CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	REPLACE IF NEEDED BUT HOLD OFF UNTIL ASD PROJECT REPLACEMENT
79	2023	AR42432	CPP UNIT #2 ASD CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	REPLACE IF NEEDED BUT HOLD OFF UNTIL ASD PROJECT REPLACEMENT

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
80	2023	AR42439	CPP UNIT #3 ASD CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	REPLACE IF NEEDED BUT HOLD OFF UNTIL ASD PROJECT REPLACEMENT
81	2023	AR42446	CPP UNIT #4 ASD CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	REPLACE IF NEEDED BUT HOLD OFF UNTIL ASD PROJECT REPLACEMENT

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
82	2023	AR42453	CPP UNIT #5 ASD CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	REPLACE IF NEEDED BUT HOLD OFF UNTIL ASD PROJECT REPLACEMENT
83	2023	AR42460	CPP UNIT #6 ASD CONTROL PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	REPLACE IF NEEDED BUT HOLD OFF UNTIL ASD PROJECT REPLACEMENT

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
84	2023	AR42423	CPP UNIT #1 CONTROLS SYSTEM PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	
85	2023	AR42437	CPP UNIT #3 CONTROLS SYSTEM PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
86	2023	AR42444	CPP UNIT #4 CONTROLS SYSTEM PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	
87	2023	AR42451	CPP UNIT #5 CONTROLS SYSTEM PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
88	2023	AR42458	CPP UNIT #6 CONTROLS SYSTEM PANEL	REPLACEMENT: INSPECT AND REPLACE (PCP & BCP), CONTRACTOR , AS NEEDED UPDATED 5/23/16 JAM, 5/30/19 JC COST UPDATED TO MATCH REVISION NOTES 9/3/19 JC	36000	
89	2023	AR	CPP WAPA MAINTENAN CE CONTRACT	CPP WAPA MAINT. CONTRACT 009	\$40,000	COST OF CONTRACT
90	2023	PHANTO M	COYOTE PUMP WAPA CONTRACT	DISTRICT LABOR	\$8,000	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
91	2023	AR	COYOTE DISCHARGE LINE INSPECTION & REHAB	VISUAL / INTERNAL INSPECTION; APPURTENANCE REHAB*; DISTRESSED PIPE SEGMENT REHAB**	\$400,000	*SCOPE TBD BASED ON CONDITION ASSESSMENT - ALSO NEED TO ASSESS ELECTRICAL AND CONTROL SYSTEM ASSETS; **ONLY IF DISTRESSED SEGMENTS ARE FOUND; Cost estimates based on work to replace the 42" flowmeter, 30" polyjet valve, 14" combo ARV, and 2" Combo ARV with retailer Turnout.....we came up with an estimate of \$377k. This does include a 10% contingency.
92	2023	AR42514	COYOTE DISCHARGE LINE - COYOTE PUMP STA TO COYOTE CRK PIPING (PIPE)	SHUTDOWN & INSPECTIONS (VISUAL/INTERNAL)	\$3,000	
93	2023	AR42514	COYOTE DISCHARGE LINE - COYOTE PUMP STA TO COYOTE CRK PIPING (PIPE)	REHABILITATION OF VAULTS & APPURTENANCES; REHAB DISTRESSED PIPE SEGMENTS AS NEEDED		

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
94	2023	PHANTOM	COYOTE PUMP ELECTRICAL TESTING	CONTRACT COST	\$12,000	
134	2024	AR42181	CPP - ELECTRICAL SYSTEM TANK (PROPANE)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES 3/24/24; L015140-03
135	2024	AR42466	COYOTE PUMP SHOP AIR COMPRESSOR (FIXED)	REPLACEMENT, DEPENDING ON OSHA INSPECTION	41250	PERMIT EXPIRES 3/24/24; A015141-03;
136	2024	PHANTOM	COYOTE PUMP WAPA CONTRACT	ADMINISTRATIVE COST:	\$51,000	
137	2024	AR42348	COYOTE PUMP HVOS ACCUMULATOR TANK #1	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES 3/24/24; A002038-09; FACILITIES: ASME UNFIRED PRESSURE VESSEL CODE
138	2024	AR42350	COYOTE PUMP HVOS ACCUMULATOR TANK #2	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES 3/24/24; A002039-09; FACILITIES: ASME UNFIRED PRESSURE VESSEL CODE
167	2025	AR40105	COYOTE PUMP BUILDING FIRE ALARM	REPLACEMENT DEPENDS ON INSPECTION	\$7,875	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
168	2025	AR40106	COYOTE PUMP MAINTENANCE BUILDING FIRE ALARM	REPLACEMENT DEPENDS ON INSPECTION	\$7,875	
169	2025	AR42354	COYOTE PUMP FIRE CONTROL PANEL BOX	REPLACEMENT DEPENDS ON INSPECTION	\$7,875	
170	2025	AR42355	COYOTE PUMP FIRE/SMOKE DETECTORS	REPLACEMENT DEPENDS ON INSPECTION	\$200	
171	2025	AR42424	CPP UNIT #1 PUMP MOTOR CONTROLLER	REPLACEMENT: REPLACEMENT SHOULD BE CONDUCTED WHEN MANUFACTURER NO LONGER PROVIDES SUPPORT	4688	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
172	2025	AR42431	CPP UNIT #2 PUMP MOTOR CONTROLLE R	REPLACEMEN T: REPLACEMEN T SHOULD BE CONDUCTED WHEN MANUFACTUR ER NO LONGER PROVIDES SUPPORT	4688	
173	2025	AR42438	CPP UNIT #3 PUMP MOTOR CONTROLLE R	REPLACEMEN T: REPLACEMEN T SHOULD BE CONDUCTED WHEN MANUFACTUR ER NO LONGER PROVIDES SUPPORT	4688	
174	2025	AR42445	CPP UNIT #4 PUMP MOTOR CONTROLLE R	REPLACEMEN T: REPLACEMEN T SHOULD BE CONDUCTED WHEN MANUFACTUR ER NO LONGER PROVIDES SUPPORT	4688	

San Felipe Division Reach 3 FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
175	2025	AR42459	CPP UNIT #6 PUMP MOTOR CONTROLLE R	REPLACEMENT: REPLACEMENT SHOULD BE CONDUCTED WHEN MANUFACTURER NO LONGER PROVIDES SUPPORT	4688	
176	2025	AR42465	COYOTE PUMP PORTABLE AIR COMPRESSOR (INGERSOLL-RAND)	INSPECTION: OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	500	

Table B-15: District Campus FY22-25 Planned Work

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	15295	FUEL ISLAND DIESEL TANK #1; 12,000 GAL; #2 DIESEL OIL - UNDERGRO UND STORAGE TANK (UST)	SECONDARY CONTAINMEN T LEAK TESTING (VALVES & PIPING)	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT
2	2022	15296	FUEL ISLAND DIESEL TANK #2; 12,000 GAL; #2 DIESEL OIL - UNDERGRO UND STORAGE TANK (UST)	SECONDARY CONTAINMEN T LEAK TESTING (VALVES & PIPING)	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT
3	2022	15297	FUEL ISLAND UNLEADED TANK #1; 10,000 GAL - UNDERGRO UND STORAGE TANK (UST)	SECONDARY CONTAINMEN T LEAK TESTING (VALVES & PIPING)	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
4	2022	SUZANNE TO CREATE	PRESSURE VESSEL (200 PSI)	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	STATE NBR: A031111-17; LOCATION CLASS 4 MECH SHOP
5	2022	15298	ADMINISTRATION BLDG. GENERATOR (SUB-BASE TANK)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	H&S (PAUL) WANTS TO KEEP THE 5 YEAR INSPECTIONS FOR A TOTAL OF 2 INSPECTIONS, EVALUATE THE CONDITION AND DECIDE THEN IF CAT 1 & 2 TANKS CAN SWITCH TO A 10 YEAR INTERVAL.
6	2022	15295	FUEL ISLAND DIESEL TANK #1; 12,000 GAL; #2 DIESEL OIL - UNDERGROUND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT
7	2022	15296	FUEL ISLAND DIESEL TANK #2; 12,000 GAL; #2 DIESEL OIL - UNDERGROUND	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			STORAGE TANK (UST)			
8	2022	15297	FUEL ISLAND UNLEADED TANK #1; 10,000 GAL - UNDERGROUND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT
9	2022	15302	FLEET VEHICLE BULK TANK #1 (Back of Fleet Shop)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	KEEP FOR 2 INSPECTIONS, MAY CHANGE TO 10 YEAR INTERVAL LATER
10	2022	15303	FLEET VEHICLE BULK TANK #2 (Back of Fleet Shop)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	KEEP FOR 2 INSPECTIONS, MAY CHANGE TO 10 YEAR INTERVAL LATER
11	2022	15304	FLEET VEHICLE BULK TANK #3 (Back of Fleet Shop)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	KEEP FOR 2 INSPECTIONS, MAY CHANGE TO 10 YEAR INTERVAL LATER

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
12	2022	15305	WASTE OIL TANK (Back of Fleet Shop)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY; 5YR; \$1,000	\$1,000	KEEP FOR 2 INSPECTIONS, MAY CHANGE TO 10 YEAR INTERVAL LATER
13	2022	15300	HEADQUARTERS GENERATOR (SUB-BASE TANK)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	KEEP FOR 2 INSPECTIONS, MAY CHANGE TO 10 YEAR INTERVAL LATER
14	2022	15301	MAINTENANCE BLDG. GENERATOR (SUB-BASE TANK)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	KEEP FOR 2 INSPECTIONS, MAY CHANGE TO 10 YEAR INTERVAL LATER
15	2022	UPDATE	WIN - PRESSURE VESSEL #1 (125 PSI) - TRAILER 92940	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A001912-14
16	2022	UPDATE	WIN - PRESSURE VESSEL #1 (125 PSI) - TRAILER 92822	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND	\$500	PERMIT EXPIRES FY22; A002027-13

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				PERMIT RENEWAL		
17	2022	UPDATE	WIN - PRESSURE VESSEL #2 (125 PSI) - TRAILER 92822	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A002028-13
18	2022	UPDATE	WIN - PRESSURE VESSEL #1 (200 PSI) - TRAILER 92940	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A001909-14
19	2022	UPDATE	WIN - PRESSURE VESSEL #2 (200 PSI) - TRAILER 92940	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A001910-14
20	2022	UPDATE	WIN - PRESSURE VESSEL #3 (200 PSI) - TRAILER 92822	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A002025-13
21	2022	UPDATE	WIN - PRESSURE VESSEL #2 (125 PSI) - TRAILER 92940	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A001911-14

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
22	2022	UPDATE	WIN - PRESSURE VESSEL #4 (200 PSI) - TRAILER 92822	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A002026-13
23	2022	UPDATE	WIN - PRESSURE VESSEL (125 PSI) - TRAILER 92941	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A001915-14
24	2022	UPDATE	WIN - PRESSURE VESSEL (200 PSI) - TRAILER 92823	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A002099-12
25	2022	UPDATE	WIN - PRESSURE VESSEL #1 (200 PSI) - TRAILER 92941	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A001914-14
26	2022	UPDATE	WIN - PRESSURE VESSEL #1 (125 PSI) - TRAILER 92823	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A002098-12
27	2022	UPDATE	WIN - PRESSURE VESSEL #2 (200 PSI) - TRAILER 92941	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A001913-14

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
28	2022	UPDATE	WIN - PRESSURE VESSEL #2 (125 PSI) - TRAILER 92823	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A002097-12
29	2022	UPDATE	WIN - PRESSURE VESSEL (125 PSI) - TRAILER 92941	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A001916-14
30	2022	UPDATE	WIN - PRESSURE VESSEL #3 (200 PSI) - TRAILER 92823	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY22; A002100-12
31	2022	15299	WATER QUALITY LAB GENERATOR (SUB-BASE TANK)	EXTERNAL INSPECTION & CERTIFIED ALARM SENSOR TEST; MUST BE DONE BY A CERTIFIED TESTING AGENCY	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT AND PAYS FOR TANKS ON ALMADEN CAMPUS
32	2023	15295	FUEL ISLAND DIESEL TANK #1; 12,000 GAL; #2 DIESEL OIL - UNDERGROUND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMENT TESTING CERTIFICATION	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
33	2023	15296	FUEL ISLAND DIESEL TANK #2; 12,000 GAL; #2 DIESEL OIL - UNDERGRO UND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMEN T TESTING CERTIFICATIO N	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT
34	2023	15297	FUEL ISLAND UNLEADED TANK #1; 10,000 GAL - UNDERGRO UND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMEN T TESTING CERTIFICATIO N	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT
35	2023	6369	MOBILE FUEL TRUCK #6369; 750 GAL; #2 DIESEL OIL - ABOVE GROUND STORAGE TANK (AST)	FORMAL EXTERNAL INSPECTION PER STI SP001 STANDARD	\$1,000	RECOMMEND MIKE S. ADD THESE TO F20 TANK CONTRACT AND DENNIS SCAMARDO TO SUPPORT (M.SPITERI'S TANK CONTRACT EXPIRES 2019 AND WILL BE EXTENDED TO 2020);
36	2023	UPDATE	WQL - PRESSURE VESSEL (200 PSI) - MECH ROOM	OSHA INSPECTIONS: (E), (UT), AIR RELIEF VALVE CHECK AND PERMIT RENEWAL	\$500	PERMIT EXPIRES FY23; A002000-08
37	2024	15295	FUEL ISLAND DIESEL TANK #1; 12,000 GAL; #2 DIESEL OIL -	MONITORING SYSTEM & SPILL CONTAINMEN T TESTING CERTIFICATIO N	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT

District Campus FY22–25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
			UNDERGRO UND STORAGE TANK (UST)			
38	2024	15296	FUEL ISLAND DIESEL TANK #2; 12,000 GAL; #2 DIESEL OIL - UNDERGRO UND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMEN T TESTING CERTIFICATIO N	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT
39	2024	15297	FUEL ISLAND UNLEADED TANK #1; 10,000 GAL - UNDERGRO UND STORAGE TANK (UST)	MONITORING SYSTEM & SPILL CONTAINMEN T TESTING CERTIFICATIO N	\$1,000	CURRENTLY FACILITIES HAS A CONTRACT

Table B-16: Silicon Valley Advanced Water Purification Center FY22-25 Planned Work

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2023	LP18644 A	SVA MF RACK 1	MF: INSPECT MF RACK AND REPLACE MEMBRANES IF NEEDED	\$ 313,600	THE WORKORDER STRATEGY IS FOR A RACK AND THE COST IS ASSUMING ALL MEMBRANES ARE REPLACED, EVEN THOUGH THIS IS NOT USUALLY THE CASE SINCE THESE ARE INSPECTED YEARLY. WE NEED TO HAVE AN INSTALLATION DATE IN MAXIMO SO THAT WE BEGIN ON THE CORRECT INTERVAL.
2	2023	LP18644 B	SVA MF RACK 2	MF: INSPECT MF RACK AND REPLACE MEMBRANES IF NEEDED	\$ 313,600	THE WORKORDER STRATEGY IS FOR A RACK AND THE COST IS ASSUMING ALL MEMBRANES ARE REPLACED, EVEN THOUGH THIS IS NOT USUALLY THE CASE SINCE THESE ARE INSPECTED YEARLY. WE NEED TO HAVE AN INSTALLATION DATE IN MAXIMO SO THAT WE BEGIN ON THE CORRECT INTERVAL.
3	2024	LP18644 C	SVA MF RACK 3	MF: INSPECT MF RACK AND REPLACE MEMBRANES IF NEEDED	\$ 313,600	THE WORKORDER STRATEGY IS FOR A RACK AND THE COST IS ASSUMING ALL MEMBRANES ARE REPLACED, EVEN THOUGH THIS IS NOT USUALLY THE CASE SINCE THESE ARE INSPECTED YEARLY. WE NEED TO HAVE

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
						AN INSTALLATION DATE IN MAXIMO SO THAT WE BEGIN ON THE CORRECT INTERVAL.
4	2024	LP18644 D	SVA MF RACK 4	MF: INSPECT MF RACK AND REPLACE MEMBRANES IF NEEDED	\$ 313,600	THE WORKORDER STRATEGY IS FOR A RACK AND THE COST IS ASSUMING ALL MEMBRANES ARE REPLACED, EVEN THOUGH THIS IS NOT USUALLY THE CASE SINCE THESE ARE INSPECTED YEARLY. WE NEED TO HAVE AN INSTALLATION DATE IN MAXIMO SO THAT WE BEGIN ON THE CORRECT INTERVAL.
5	2025	LP18644 E	SVA MF RACK 5	MF: INSPECT MF RACK AND REPLACE MEMBRANES IF NEEDED	\$ 313,600	THE WORKORDER STRATEGY IS FOR A RACK AND THE COST IS ASSUMING ALL MEMBRANES ARE REPLACED, EVEN THOUGH THIS IS NOT USUALLY THE CASE SINCE THESE ARE INSPECTED YEARLY. WE NEED TO HAVE AN INSTALLATION DATE IN MAXIMO SO THAT WE BEGIN ON THE CORRECT INTERVAL.

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
6	2025	LP18644 F	SVA MF RACK 6	MF: INSPECT MF RACK AND REPLACE MEMBRANES IF NEEDED	\$ 313,600	THE WORKORDER STRATEGY IS FOR A RACK AND THE COST IS ASSUMING ALL MEMBRANES ARE REPLACED, EVEN THOUGH THIS IS NOT USUALLY THE CASE SINCE THESE ARE INSPECTED YEARLY. WE NEED TO HAVE AN INSTALLATION DATE IN MAXIMO SO THAT WE BEGIN ON THE CORRECT INTERVAL.
7	2023	AP70378	INTER-PROCESS STORAGE TANK (IST-1301)	Inspection: External (E) and (UT)	\$ 3,000	
8	2022	AP52378	SVA AQUA AMMONIA TANK #1 (TNK-8201) 3400 GALS	INTEGRITY INSPECTION (I)(E)(UT)+CLEANING	\$ 25,000	WILL BE DONE IN FY17
9	2022	AP73464	SVA TELECOMMUNICATION SYSTEM	REPLACEMENT; TERMINATION BOARD; PHONE HARDWARE; LUMP SUM FOR RACK AND HARDWARE (CONTRACTOR)	\$ 7,500	PART OF A CAPITAL PROJECT - (IT UNIT) , MOVE FROM FY 21 TO FY22

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
10	2022	AP72559	SVA AIR RECEIVER (AR-1801)	OSHA INSPECTIONS: (E), (UT), PERMIT RENEWAL 5 YR	\$ 500	PERMIT EXPIRES FY22; A?
11	2022	AP52500	SVA MF REVERSE FILTRATION SUPPLY PUMP #1 MOTOR (MTR-1401)	Rehabilitation: brgs. Seals; clean; bake; paint & test	\$ 4,800	
12	2022	LP18644	MF SYSTEM PERFORMANCE REVIEW	ANNUAL MF SYSTEM PERFORMANCE REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR RACKS #1-#8
13	2022	AP67161	SVA POTABLE AIR GAP BREAK TANK (73-TNK-9401, 2000 GAL)	OSHA INSPECTIONS: (E), (UT), PERMIT RENEWAL 5 YR	\$ 500	STATE NBR: A003215-17
14	2022	AP67162	SVA POTABLE WATER SYSTEM ACCUMULATED TANK (211 GAL, 150 PSI)	OSHA INSPECTIONS: (E), (UT), PERMIT RENEWAL 5 YR	\$ 500	STATE NBR: A003216-7

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
15	2022	LP18513	RO SYSTEM PERFORMANCE REVIEW	ANNUAL RO SYSTEM PERFORMANCE REVIEW	\$ 10,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.
16	2022	AP52545	SVA NAOH TRANSFER PUMP 8702 (PMP-8702)	REPLACEMENT	\$ 4,000	
17	2022	AP52374	SVA SODIUM HYPOCHLORITE PUMP #3 MOTOR (MTR-8103)	REPLACEMENT	\$ 1,275	OKAY
18	2022	AP52373	SVA SODIUM HYPOCHLORITE FEED PUMP #3 (PMP-8103)	REPLACEMENT	\$ 6,750	
19	2022	18767A	TRAIN 1: E52704: SVA UV REACTOR #1 (UDU-3001) / E52706: SVA UV REACTOR #2 (UDU-3002)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
20	2022	18767B	TRAIN 2: E52715: SVA UV REACTOR #3 (UDU-3003) / E52717 SVA UV REACTOR #4 (UDU-3004)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS
21	2022	18767C	TRAIN 3: E52726 SVA UV REACTOR #5 (UDU-3005) / E52728 SVA UV REACTOR #6 (UDU-3006)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS
22	2022	18767D	TRAIN 4: E52736 SVA UV REACTOR #7(UDU- 3007) / E52738 SVA UV REACTOR #8 (UDU-3008)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS
23	2022	18767F	TRAIN 5: E52747 SVA UV REACTOR #9(UDU- 3009) / E52749 SVA UV REACTOR #10 (UDU- 3010)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
24	2022	18767G	TRAIN 6: E52758 SVA UV REACTOR #11 (UDU- 3011) / E52760 SVA UV REACTOR #12 (UDU- 3012)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS
25	2022	LP18523	UV SYSTEM PERFORMA NCE REVIEW	ANNUAL UV SYSTEM PERFORMANC E REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR REACTORS #1-#12
26	2023	PHANTO M18	SVA CROSS- CONNECTIO N SURVEY	Administration Cost:	\$ 10,000	
28	2023	AP52384	SVA AQUA AMMONIA PUMP #1 MOTOR (MTR-8201)	REPLACEMEN T	\$ 1,275	OKAY
29	2023	AP52388	SVA AQUA AMMONIA PUMP #2 MOTOR (MTR-8202)	REPLACEMEN T	\$ 1,275	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
30	2023	AP52392	SVA AQUA AMMONIA PUMP #3 MOTOR (MTR-8203)	REPLACEMENT	\$ 1,275	OKAY
31	2023	AP52395	SVA AQUA AMMONIA FAIL SAFE VALVE (VLV-8217)	REPLACEMENT	\$ 1,600	OKAY
32	2023	AP53066	SVA AQUA AMMONIA FAIL SAFE VALVE (VLV-8214)	REPLACEMENT	\$ 1,600	OKAY
33	2023	AP53068	SVA AQUA AMMONIA FAIL SAFE VALVE (VLV-8215)	REPLACEMENT	\$ 1,600	OKAY
34	2023	AP53069	SVA AQUA AMMONIA FAIL SAFE VALVE (VLV-8216)	REPLACEMENT	\$ 1,600	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
35	2023	AP70297	SVA AQUA AMMONIA FAIL SAFE VALVE MOV (VOP-8216)	REPLACEMENT	\$ 5,600	OKAY
36	2023	AP70299	SVA AQUA AMMONIA FAIL SAFE VALVE MOV (VOP-8214)	REPLACEMENT	\$ 5,600	OKAY
37	2023	AP70446	SVA AQUA AMMONIA FAIL SAFE VALVE MOV (VOP-8215)	REPLACEMENT	\$ 5,600	OKAY
38	2023	AP73067	SVA AQUA AMMONIA FAIL SAFE VALVE MOV (VOP-8217)	REPLACEMENT	\$ 5,600	OKAY
39	2023	AP52383	SVA AQUA AMMONIA FEED PUMP #1 (PMP-8201)	REPLACEMENT	\$ 6,750	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
40	2023	AP52387	SVA AQUA AMMONIA FEED PUMP #2 (PMP-8202)	REPLACEMENT	\$ 6,750	OKAY
41	2023	AP52391	SVA AQUA AMMONIA FEED PUMP #3 (PMP-8203)	REPLACEMENT	\$ 6,750	OKAY
42	2023	AP52380	SVA AQUA AMMONIA TANK #2 (TNK-8202) 3400 GALS	Inspection: INTERNAL (I) OR ON-STREAM INSPECTION DEPENDING ON API 510 6.5.2.1 CRITERIA + CLEANING	\$ 10,000	
43	2023	AP73453	SVA BATTERY CHARGER	REPLACEMENT	\$ 5,000	SHOULD THE BATTERY BE REPALED ON A 4YEAR INTERVAL? IF NOT RESCHEDULE BATTERY REPLACEMENT WORK THAT IS SCHEDULED IN 2023.
44	2023	AP73453	SVA Battery Charger	:	\$ 4,444	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
45	2023	AP73455	SVA TELEPHONE TERMINATION BOARD (TTB-1)	REPLACEMENT	\$ 7,500	JAMES B.
46	2023	AP52681	SVA PRODUCT WATER TRANSFER PUMP 2911 MOTOR (MTR-2911)	REHABILITATION	\$ 4,800	OKAY
47	2023	AP52684	SVA PRODUCT WATER TRANSFER PUMP 2912 MOTOR (MTR-2912)	REHABILITATION	\$ 4,800	OKAY
48	2023	AP52687	SVA PRODUCT WATER TRANSFER PUMP 2913 MOTOR (MTR-2913)	REHABILITATION	\$ 4,800	OKAY
49	2023	AP72371	SVA DECARBONATION TOWER 2901 AIR FILTER (AF-2901)	REPLACEMENT:	\$ 2,000	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
50	2023	AP72372	SVA DECARBONATION TOWER 2902 AIR FILTER (AF-2902)	REPLACEMENT:	\$ 2,000	
51	2023	AP52680	SVA PRODUCT WATER TRANSFER PUMP #1 (PMP-2911)	REHABILITATION	\$ 30,000	OKAY
52	2023	AP52683	SVA PRODUCT WATER TRANSFER PUMP #2 (PMP-2912)	REHABILITATION	\$ 30,000	OKAY
53	2023	AP52686	SVA PRODUCT WATER TRANSFER PUMP #3 (PMP-2913)	REHABILITATION	\$ 30,000	OKAY
54	2023	AP52699	SVA SUMP NORTH OF DECARBONATION TOWERS AND PRODUCT WATER STORAGE (SMP-9006)	INSPECTION	\$ 15,000	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
55	2023	AP52778	SVA FIRE PROTECTION PUMP MOTOR (MTR-9501)	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 7,600	OKAY
56	2023	AP52777	SVA FIRE PROTECTION PUMP (PMP-9501)	REHABILITATION: STD. REBUILD (NO IMPELLER; OR BOWL)	\$ 30,000	DEPENDS ON INSPECTION TESTS
57	2023	AP52343	SVA AUTOSTRAINER FEEDWATER FLOW METER 1101 (FIT-1101)	Replacement:	\$ 21,000	
58	2023	AP53082	SVA TRANSFORMER	Inspection:	\$ 4,444	
59	2023	AP73300	SVA Transformer	Inspection:	\$ 4,444	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
60	2023	AP73432	SVA Transformer	Inspection:	\$ 4,444	
61	2023	AP73441	SVA 21 kV Switchgear 9801 (SWGR-9801)	Inspection:	\$ 4,444	
62	2023	AP73442	SVA 21 kV Switchgear 9802 (SWGR-9802)	Inspection:	\$ 4,444	
63	2023	AP73443	SVA 21 kV Switchgear 9803 (SWGR-9803)	Inspection:	\$ 4,444	
64	2023	AP73444	SVA 22 kV Switchgear 9804 (SWGR-9804)	Inspection:	\$ 4,444	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
65	2023	PHANTO M4	SVA ELECTRICAL TESTING	CONTRACT COST	\$ 40,000	
66	2023	AP52491	SVA MF SCRUB AIR BLOWER #1; MOTOR (MTR-1901)	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 4,800	REHAB 10YR; REPLACE 20YR
67	2023	AP52494	SVA MF SCRUB AIR BLOWER #2; MOTOR (MTR-1902)	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 4,800	REHAB 10YR; REPLACE 20YR
68	2023	AP52490	SVA MF SCRUB AIR BLOWER #1 (BLW-1901)	REHABILITATION -SEALS; ROTOR; GEARS, BEARINGS	\$ 6,000	RARELY USED, MFG RECOMMENDS REHAB WITHIN 10 YRS OR 40,000 HOURS
69	2023	AP52493	SVA MF SCRUB AIR BLOWER #2 (BLW-1902)	REHABILITATION - SEALS; ROTOR; GEARS	\$ 6,000	RARELY USED, MFG RECOMMENDS REHAB WITHIN 10 YRS OR 40,000 HOURS

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
70	2023	AP68218	SVA NEUTRALIZATION SYSTEM, MF CIP NEUTRALIZATION TANK, 9,650 GAL (73-TNK-1701)	Inspection: INSPECTION (E)	\$ 4,000	
71	2023	AP52526	SVA MF CIP NEUTRALIZATION PUMP #1 MOTOR (MTR-1701)	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 1,280	REPLACE 20 YR, REHAB 10YR: TAG SHOULD MATCH SCADA - KRIS TO HELP
72	2023	AP70366	SVA MF CIP NEUTRALIZATION PUMP MOTOR #2 (MTR-1702)	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 1,280	TAG SHOULD MATCH SCADA - KRIS TO HELP
73	2023	AP52516	SVA MF CIP CIRCULATION PUMP #1; MOTOR (MTR-1601)	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 1,280	REPLACE 20 YR, REHAB 10YR
74	2023	AP52519	SVA MF CIP CIRCULATION PUMP #2; MOTOR (MTR-1602)	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 1,280	REPLACE 20 YR, REHAB 10YR

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
75	2023	AP52523	SVA MF CIP DRAIN PUMP #3; MOTOR (MTR-1603)	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 1,280	REPLACE 20 YR, REHAB 10YR
76	2023	AP52515	SVA MF CIP CIRCULATION PUMP #1 (PMP-1601)	REHABILITATION; STD. REBUILD (NO IMPELLER; OR BOWL)	\$ 21,600	REHAB 10YR; REPLACE 25YR
77	2023	AP52518	SVA MF CIP CIRCULATION PUMP #2 (PMP-1602)	REHABILITATION	\$ 21,600	OKAY
78	2023	AP52521	SVA MF CIP DRAIN PUMP #3 (PMP-1603)	REHABILITATION	\$ 21,600	OKAY, MAYBE A CIRCULATION PUMP
79	2023	AP70270	SVA MF CIP DRAIN PUMP (PMP-1631)	REHABILITATION: STD. REBUILD (NO IMPELLER; OR BOWL)	\$ 21,600	KRIS TO CHECK SCADA FOR REFERENCE. LABEL MAY BE INCORRECT.

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
80	2023	AP52506	SVA MF CIP ACID TANK #1 (TNK-1601)	Inspection: INSPECTION (E)	\$ 4,000	
81	2023	AP52512	SVA MF CIP CAUSTIC TANK #2 (TNK-1602)	Inspection: INSPECTION (E)	\$ 4,000	
82	2023	AP73750	SVA MF CIP NEUTRALIZATION ORP PROBE (AE-1731)	REPLACEMENT	\$ 3,750	TAG SHOULD MATCH SCADA - KRIS TO HELP
83	2023	AP52485	SVA MF COMPRESSED AIR RECEIVER TANK (TNK-1801) 500 GAL	OSHA INSPECTIONS: (E), (UT), PERMIT RENEWAL 5 YR	\$ 500	PERMIT EXPIRES FY23; A003096-12
84	2023	AP52500	SVA MF REVERSE FILTRATION SUPPLY PUMP #1 MOTOR (MTR-1401)	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 4,800	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
85	2023	AP52503	SVA MF REVERSE FILTRATION SUPPLY PUMP #2 MOTOR (MTR-1402)	REHABILITATION - BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 4,800	REHAB 10YR; REPLACE 20YR
86	2023	AP52499	SVA MF REVERSE FILTRATION SUPPLY PUMP #1 (PMP-1401)	Rehabilitation: std. rebuild (no impeller; or bowl)	\$ 30,000	
87	2023	AP52505	SVA MF REVERSE FILTRATION SUPPLY FLOW METER 1401 (FIT-1401)	Replacement:	\$ 14,000	
88	2023	LP18644	MF SYSTEM PERFORMANCE REVIEW	ANNUAL MF SYSTEM PERFORMANCE REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR RACKS #1-#8
89	2023	AP52767	SVA PRODUCT WATER TANK OUTLET RO FLUSH PUMP MOTOR (MTR-2701)	REHABILITATION: BRGS. SEALS; CLEAN; BAKE; PAINT & TEST	\$ 2,000	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
90	2023	AP73115	SVA PRODUCT WATER STORAGE TANK OUTLET RO FLUSH PUMP (SPARE) (PMP-4001)	REHABILITATION: STD. REBUILD (NO IMPELLER; OR BOWL)	\$ 21,600	OKAY
91	2023	AP72521	SVA PRODUCT WATER STORAGE VALVE DISCHARGE CONDUCTIVITY (AIT-4012)	REPLACEMENT	\$ 4,050	OKAY
92	2023	AP72525	SVA PRODUCT WATER BLEND CONDUCTIVITY (AIT-4201)	REPLACEMENT	\$ 4,050	OKAY
93	2023	AP72523	SVA FINAL TREATED EFFLUENT DISSOLVED OXYGEN (AIT-4015)	REPLACEMENT	\$ 10,000	OKAY
94	2023	AP72522	SVA PRODUCT WATER STORAGE VALVE DISCHARGE PH (AIT-4013)	REPLACEMENT	\$ 4,050	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
95	2023	AP72524	SVA FINAL TREATED EFFLUENT DISSOLVED SULFIDE (AIT-4016)	REPLACEMENT	\$ 4,050	OKAY
96	2023	AP52770	SVA PRODUCT WATER STORAGE TANK (PWST-4001) TNK	Inspection: External (E) and (UT)	\$ 3,000	BEING DONE FY18, RESCHEDULE EVERY 5 YEARS
97	2023	AP72434	SVA RO PRODUCT WATER ALKALINITY (AIT-2905)	REPLACEMENT	\$ 15,000	OKAY
98	2023	AP52791	SVA RO TRAIN 1 PERMEATE CONDUCTIVITY (AIT-2211)	REPLACEMENT	\$ 4,050	OKAY
99	2023	AP52792	SVA RO TRAIN 1 REJECT CONDUCTIVITY (AIT-2812)	REPLACEMENT	\$ 4,050	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
100	2023	AP52800	SVA RO TRAIN 2 PERMEATE CONDUCTIVITY (AIT-2221)	REPLACEMENT	\$ 4,050	OKAY
101	2023	AP52801	SVA RO TRAIN 2 REJECT CONDUCTIVITY (AIT-2822)	REPLACEMENT	\$ 4,050	
102	2023	AP52809	SVA RO TRAIN 3 PERMEATE CONDUCTIVITY (AIT-2231)	REPLACEMENT	\$ 4,050	OKAY
103	2023	AP53014	SVA RO FEED CONDUCTIVITY (AIT-2170)	REPLACEMENT	\$ 4,050	OKAY
104	2023	AP72432	SVA RO REJECT COMBINED FLOW CONDUCTIVITY (AIT-2826)	REPLACEMENT	\$ 4,050	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
105	2023	AP72436	SVA RO PRODUCT WATER CONDUCTIVITY (AIT-2907)	REPLACEMENT	\$ 4,050	OKAY
106	2023	AP52793	SVA RO Train 1 Permeate Flow Meter (FE/FIT-2210)	Replacement:	\$ 14,000	
107	2023	AP52802	SVA RO Train 2 Permeate Flow Meter (FE/FIT-2220)	Replacement:	\$ 14,000	
108	2023	AP52811	SVA RO Train 3 Permeate Flow Meter (FE/FIT-2230)	Replacement:	\$ 14,000	
109	2023	AP72429	SVA RO FEED PH (AIT-2175)	REPLACEMENT	\$ 4,050	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
110	2023	AP72431	SVA RO REJECT COMBINED FLOW PH (AIT-2825)	REPLACEMENT	\$ 4,050	OKAY
111	2023	AP72435	SVA RO PRODUCT WATER PH (AIT-2906)	REPLACEMENT	\$ 4,050	OKAY
112	2023	AP72412	SVA RO PRODUCT WATER INLET PRESSURE TO UV SYSTEM (PIT-3102)	REPLACEMENT:	\$ 450	
113	2023	AP72413	SVA RO PRODUCT WATER OUTLET PRESSURE FROM UV SYSTEM (PIT-3202)	REPLACEMENT:	\$ 450	
114	2023	AP72414	SVA RO BYPASS INLET PRESSURE TO UV SYSTEM (PIT-3103)	REPLACEMENT:	\$ 450	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
115	2023	AP72443	SVA RO CONTAINMENT HIGH LEVEL ALARM (LSH-2425)	Replacement: updated 5/10/16, JAM	\$ 4,500	OKAY
116	2023	LP18513	RO SYSTEM PERFORMANCE REVIEW	ANNUAL RO SYSTEM PERFORMANCE REVIEW	\$ 10,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.
117	2023	AP70438	SVA RO CIP CAUSTIC DOSING MOTOR (MTR-2404)	REPLACEMENT	\$ 1,275	OKAY FOR NOW, CONSULTANT TO EVALUATE SYSTEM IN FY17
118	2023	AP52691	SVA RO CIP TANK CONTAINMENT SUMP PUMP (PMP-2401)	Replacement	\$ 6,000	
119	2023	AP70401	SVA RO CIP SPARE PUMP	REHABILITATION	\$ 21,600	OKAY FOR NOW, CONSULTANT TO EVALUATE SYSTEM IN FY17

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
120	2023	AP52633	SVA RO CIP CAUSTIC DOSING PUMP (PMP-2404)	REPLACEMENT	\$ 6,750	OKAY FOR NOW, CONSULTANT TO EVALUATE SYSTEM IN FY17
121	2023	AP52664	SVA RO FLUSH PUMP #1 (PMP-2701)	REHABILITATION	\$ 21,600	
122	2023	AP52665	SVA RO FLUSH PUMP #2 (PMP-2702) SPARE	REHABILITATION	\$ 21,600	NOT INSTALLED. ON HOLD; ELECTRICAL WORK NEEDS TO BE COMPLETED
123	2023	AP72491	SVA RO FLUSH PUMP PRESSURE INSTRUMENT (PI-2701)	REPLACEMENT:	\$ 450	COST IS BELOW \$1,100, REMOVE FROM AM LIST?
124	2023	AP53025	SVA RO FEED WATER FLOW METER 2110 (FE/FIT-2110)	Replacement:	\$ 20,000	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
125	2023	AP70211	SVA RO BYPASS FLOW METER 2111 (FE/FIT-2111)	Replacement:	\$ 15,000	
126	2023	AP72538	SVA MF FILTRATE ORP METER (AIT-1302)	REPLACEMENT	\$ 3,750	OKAY
127	2023	AP52571	SVA SUMP SOUTH OF RO TRANSFER PUMPS AND CARTRIDGE FILTERS PAD (SMP-9004)	INSPECTION	\$ 15,000	OKAY
128	2023	AP52544	SVA SODIUM HYDROXIDE TRANSFER PUMP #1 MOTOR (MTR-8701)	REPLACEMENT	\$ 1,275	OKAY
129	2023	AP52546	SVA SODIUM HYDROXIDE TRANSFER PUMP #2 MOTOR (MTR-8702)	REPLACEMENT	\$ 1,275	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
130	2023	AP52550	SVA NAOH FEED PUMP MOTOR 8001 (MTR-8001)	REPLACEMENT	\$ 1,275	OKAY
131	2023	AP52554	SVA NAOH FEED PUMP MOTOR 8002 (MTR-8002)	REPLACEMENT	\$ 1,275	OKAY
132	2023	AP52539	SVA SODIUM HYDROXIDE TANK #1 (TNK-8001) 9100 GALS	Inspection: INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	INITIAL 2 YEARS (FY19 & FY21), AND 5 YEAR INTERVAL ALSO (FY24)
133	2023	AP52539	SVA SODIUM HYDROXIDE TANK #1 (TNK-8001) 9100 GALS	Rehabilitation: REPLACE LINER BAG OR INTERNAL COATING	\$ 25,000	
134	2023	AP52543	SVA NAOH TRANSFER PUMP 8701 (PMP-8701)	REPLACEMENT	\$ 4,000	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
135	2023	AP52549	SVA SODIUM HYDROXIDE FEED PUMP #1 (PMP-8001)	REPLACEMENT	\$ 6,750	OKAY
136	2023	AP52553	SVA SODIUM HYDROXIDE FEED PUMP #2 (PMP-8002) STAND-BY	REPLACEMENT	\$ 6,750	OKAY
137	2023	AP52731	SVA SUMP EAST OF SODIUM HYDROXIDE (SMP-9005)	INSPECTION	\$ 15,000	OKAY
138	2023	AP73183	SVA SODIUM HYDROXIDE DUTY LINE ISOLATION VALVE MOV (VOP-8002)	REPLACEMENT	\$ 5,600	OKAY
139	2023	AP52362	SVA SODIUM HYPOCHLORITE TRANSFER PUMP MOTOR #2 (MTR-8502)	REPLACEMENT	\$ 1,275	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
140	2023	AP52366	SVA SODIUM HYPOCHLORITE PUMP #1 MOTOR (MTR-8101)	REPLACEMENT	\$ 1,275	OKAY
141	2023	AP52370	SVA SODIUM HYPOCHLORITE PUMP #2 MOTOR (MTR-8102)	REPLACEMENT	\$ 1,275	OKAY
142	2023	AP52355	SVA SODIUM HYPOCHLORITE TANK #1 (TNK-8101) 6435 GALS	EXTERNAL INSPECTION FOR CORROSION (THICKNESS TESTING)	\$ 4,000	
143	2023	AP52355	SVA SODIUM HYPOCHLORITE TANK #1 (TNK-8101) 6435 GALS	Coat: IF NEEDED	\$ 5,000	
144	2023	AP70252	SVA SODIUM HYPOCHLORITE PRESSURE RELIEF VALVE MOV (VOP-8102)	REPLACEMENT	\$ 5,600	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
145	2023	AP70252	SVA Sodium Hypochlorite Pressure Relief Valve MOV (VOP-8102)	Replacement:	\$ 5,600	
146	2023	AP52360	SVA SODIUM HYPOCHLORITE TRANSFER PUMP MOTOR #1 (MTR-8501)	REPLACEMENT	\$ 1,275	OKAY
147	2023	AP52361	SVA SODIUM HYPOCHLORITE TRANSFER PUMP #2 (PMP-8502)	REPLACEMENT	\$ 4,000	OKAY
148	2023	AP52365	SVA SODIUM HYPOCHLORITE FEED PUMP #1 (PMP-8101)	REPLACEMENT	\$ 6,750	OKAY
149	2023	AP67652	SVA SODIUM HYPOCHLORITE TRANSFER PUMP #1 (PMP-8501)	Replacement:	\$ 4,000	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
150	2023	AP52360	SVA SODIUM HYPOCHLORITE TRANSFER PUMP #1 (PMP-8501)	REPLACEMENT	\$ 4,000	OKAY
151	2023	AP52369	SVA SODIUM HYPOCHLORITE FEED PUMP #2 (PMP-8102)	REPLACEMENT	\$ 6,750	OKAY
152	2023	AP52582	SVA SULFURIC ACID FEED PUMP DUTY MOTOR (MTR-8410)	REPLACEMENT	\$ 1,275	OKAY
153	2023	AP52584	SVA SULFURIC ACID FEED PUMP STAND BY MOTOR (MTR-8411)	REPLACEMENT	\$ 1,275	OKAY
154	2023	AP52588	SVA SULFURIC ACID TRANSFER PUMP DUTY MOTOR (MTR-8401)	REPLACEMENT	\$ 1,275	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
155	2023	AP52589	SVA SULFURIC ACID TRANSFER PUMP DUTY VFD (VSD-8401)	REPLACEMENT	\$ 3,000	OKAY
156	2023	AP52592	SVA SULFURIC ACID TRANSFER PUMP STAND BY MOTOR (MTR-8402)	REPLACEMENT	\$ 1,275	OKAY
157	2023	AP52593	SVA SULFURIC ACID TRANSFER PUMP STAND BY VFD (VSD-8402)	REPLACEMENT	\$ 3,000	OKAY
158	2023	AP52579	SVA SULFURIC ACID DESSICANT (AF-8401)	REPLACEMENT	\$ 3,000	OKAY
159	2023	AP73188	SVA SULFURIC ACID TRUCK UNLOAD SUPPLY LINE PLUG VALVE MOV (VOP-8401)	REPLACEMENT	\$ 5,600	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
160	2023	AP73189	SVA SULFURIC ACID STORAGE TO FEED PUMPS PLUG VALVE MOV (VOP-8410)	REPLACEMENT	\$ 5,600	OKAY
161	2023	AP52583	SVA SULFURIC ACID TRANSFER PUMP #2 (PMP-8411)	REPLACEMENT	\$ 4,000	OKAY
162	2023	AP52587	SVA SULFURIC ACID FEED PUMP #1 (PMP-8401)	Replacement: Inspect and replace of entire asset, if needed.	\$ 6,750	
163	2023	AP52591	SVA SULFURIC ACID FEED PUMP #2 (PMP-8402)	Replacement: Inspect and replace of entire asset, if needed.	\$ 6,750	
164	2023	AP52615	SVA THRESHOLD INHIBITOR RO FEED PUMP STAND BY MOTOR (MTR-8302)	REPLACEMENT	\$ 1,275	OKAY

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
165	2023	AP52616	SVA THRESHOLD INHIBITOR RO FEED PUMP STAND BY VFD (VSD-8302)	REPLACEMENT	\$ 3,000	OKAY
166	2023	AP70233	SVA THRESHOLD INHIBITOR TOTE TRANSFER PUMP (PMP-8303)	REPLACEMENT	\$ 1,500	OKAY
167	2023	AP73186	SVA THRESHOLD INHIBITOR TRUCK UNLOAD SUPPLY LINE PLUG VALVE MOV (VOP-8301)	REPLACEMENT	\$ 5,600	OKAY
168	2023	AP73187	SVA THRESHOLD INHIBITOR STORAGE TO FEED PUMPS PLUG VALVE MOV (VOP-8310)	REPLACEMENT	\$ 5,600	OKAY
169	2023	AP52609	SVA Threshold Inhibitor Pump Control Panel (LCP-8304)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
170	2023	AP52617	SVA Threshold Inhibitor Control Panel 2 (LCP-8302)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
171	2023	AP52607	SVA THRESHOLD INHIBITOR TRANSFER PUMP #1 (PMP-8304)	REPLACEMENT	\$ 4,000	OKAY
172	2023	AP52614	SVA THRESHOLD INHIBITOR RO FEED PUMP #2 (PMP-8302)	REPLACEMENT	\$ 6,750	OKAY
173	2023	AP72415	SVA RO BYPASS OUTLET PRESSURE FROM UV SYSTEM (PIT-3203)	REPLACEMENT:	\$ 450	
174	2023	LP18523	UV SYSTEM PERFORMANCE REVIEW	ANNUAL UV SYSTEM PERFORMANCE REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR REACTORS #1-#12

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
175	2023	LP18767 A	SVA UV SYSTEM TRAIN 1	AP72500, AP72501; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL
176	2023	LP18767 B	SVA UV SYSTEM TRAIN 2	AP72502, AP72503; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL
177	2023	LP18767 C	SVA UV SYSTEM TRAIN 3	AP72504, AP72505; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
178	2023	LP18767 D	SVA UV SYSTEM TRAIN 4	AP72506, AP72507; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL
179	2023	LP18767 F	SVA UV SYSTEM TRAIN 5	AP72508, AP72509; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL
180	2023	LP18767 G	SVA UV SYSTEM TRAIN 6	AP72510, AP72511; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
181	2023	AP70356	SVA WASTE EQUALIZATION WETWELL PUMP MOTOR #1 (MTR-5001)	REPLACE	\$ 4,480	THESE ARE SUBMERSIBLE PUMPS, MOTOR AND PUMP NEED TO BE REPLACED TOGETHER
182	2023	AP70357	SVA WASTE EQUALIZATION WETWELL PUMP MOTOR #2 (MTR-5002)	REPLACE	\$ 4,480	THESE ARE SUBMERSIBLE PUMPS, MOTOR AND PUMP NEED TO BE REPLACED TOGETHER
183	2023	AP70358	SVA WASTE EQUALIZATION WETWELL PUMP MOTOR #3 (MTR-5003)	REPLACE	\$ 4,480	THESE ARE SUBMERSIBLE PUMPS, MOTOR AND PUMP NEED TO BE REPLACED TOGETHER
184	2023	AP52533	SVA WASTE EQUALIZATION WETWELL PUMP #1 (PMP-5001)	REPLACE	\$ 19,950	THESE ARE SUBMERSIBLE PUMPS, MOTOR AND PUMP NEED TO BE REPLACED TOGETHER
185	2023	AP52534	SVA WASTE EQUALIZATION WETWELL PUMP #2 (PMP-5002)	REPLACE	\$ 19,950	THESE ARE SUBMERSIBLE PUMPS, MOTOR AND PUMP NEED TO BE REPLACED TOGETHER

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
186	2023	AP52535	SVA WASTE EQUALIZATION WETWELL PUMP #3 STAND-BY (PMP-5003)	REPLACE	\$ 19,950	THESE ARE SUBMERSIBLE PUMPS, MOTOR AND PUMP NEED TO BE REPLACED TOGETHER
187	2023	AP52536	SVA WASTE EQUALIZATION WETWELL FLOW METER (FIT-5001)	Replacement:	\$ 15,000	
188	2023	AP70381	SVA WASTE PUMP DISCHARGE HEADER PH (AIT-5001)	REPLACEMENT	\$ 4,050	OKAY
189	2023	AP52530	SVA WASTE EQUALIZATION WETWELL (45000 GAL)	DISTRICT/CONSULTANT EFFORT. CLEAN AND INSPECT (I) & (E)	\$ 10,000	INSPECTION & REHAB CONCRETE AS NEEDED; 10YR; \$10,000
190	2023	AP73435	SVA NITRIFICATION EFFLUENT CHANNEL TIE-IN PH METER (AE/AIT-4022)	REPLACEMENT:	\$ 4,050	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
191	2024	AP73445	SVA Main Breaker Transformer 9801 (XFMR-9801)	Replacement: contractor	\$ 60,000	
192	2024	AP73446	SVA Main Breaker Transformer 9802 (XFMR-9802)	Replacement: contractor	\$ 60,000	
193	2024	AP73447	SVA Main Breaker Transformer 9803 (XFMR-9803)	Replacement: contractor	\$ 60,000	
194	2024	AP73448	SVA Main Breaker Transformer 9804 (XFMR-9804)	Replacement: contractor	\$ 60,000	
195	2024	LP18644	MF SYSTEM PERFORMANCE REVIEW	ANNUAL MF SYSTEM PERFORMANCE REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR RACKS #1-#8

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
196	2024	LP18513	RO SYSTEM PERFORMANCE REVIEW	ANNUAL RO SYSTEM PERFORMANCE REVIEW	\$ 10,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.
197	2024	LP18513	RO: INSPECT RO TRAIN AND REPLACE MEMBRANES IF NEEDED		\$1,000,000	THE WORKORDER STRATEGY IS FOR A TRAIN AND THE COST IS ASSUMING ALL MEMBRANES ARE REPLACED, EVEN THOUGH THIS IS NOT USUALLY THE CASE SINCE THESE ARE INSPECTED YEARLY. WE NEED TO HAVE AN INSTALLATION DATE IN MAXIMO SO THAT WE BEGIN ON THE CORRECT INTERVAL. LUZ TO FOLLOW UP ON INSTALLATION DATE
198	2024	AP67783	SVA SODIUM HYPOCHLORITE FEED PUMP #2 (PMP-8102)	Replacement: Inspect and replace of entire asset, if needed.	\$ 6,750	
199	2024	AP52611	SVA THRESHOLD INHIBITOR RO FEED PUMP DUTY MOTOR (MTR-8301)	REPLACEMENT	\$ 1,275	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
200	2024	AP52612	SVA THRESHOLD INHIBITOR RO FEED PUMP DUTY VFD (VSD-8301)	REPLACEMENT	\$ 3,000	OKAY
201	2024	AP52613	SVA THRESHOLD INHIBITOR CONTROL PANEL #1 (LCP-8301)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
202	2024	AP52610	SVA THRESHOLD INHIBITOR RO FEED PUMP #1 (PMP-8301)	REPLACEMENT	\$ 6,750	OKAY
203	2024	18767A	TRAIN 1: E52704: SVA UV REACTOR #1 (UDU-3001) / E52706: SVA UV REACTOR #2 (UDU-3002)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS
204	2024	18767B	TRAIN 2: E52715: SVA UV REACTOR #3 (UDU-3003) / E52717 SVA UV REACTOR #4 (UDU-3004)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
205	2024	18767C	TRAIN 3: E52726 SVA UV REACTOR #5 (UDU-3005) / E52728 SVA UV REACTOR #6 (UDU-3006)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS
206	2024	18767D	TRAIN 4: E52736 SVA UV REACTOR #7(UDU- 3007) / E52738 SVA UV REACTOR #8 (UDU-3008)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS
207	2024	18767F	TRAIN 5: E52747 SVA UV REACTOR #9(UDU- 3009) / E52749 SVA UV REACTOR #10 (UDU- 3010)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS
208	2024	18767G	TRAIN 6: E52758 SVA UV REACTOR #11 (UDU- 3011) / E52760 SVA UV REACTOR #12 (UDU- 3012)	REPLACE UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD IF NEEDED.	\$ 10,832	KRIS WANTS ONE WORKORDER TO APPLY TO TRAIN. ONE TRAIN HAS TWO REACTORS

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
209	2024	LP18523	UV SYSTEM PERFORMANCE REVIEW	ANNUAL UV SYSTEM PERFORMANCE REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR REACTORS #1-#12
210	2025	AP53084	SVA AQUA AMMONIA UNLOADING PANEL (LCP-8200)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
211	2025	AP52380	SVA AQUA AMMONIA TANK #2 (TNK-8202) 3400 GALS	INTEGRITY INSPECTION (I)(LT)+ CLEANING	\$ 10,000	CAN NOT BE DONE THE SAME YEAR AS TANK #1; PRESS (API)
212	2025	AP73456	SVA Server Communication Rank (COM-9900)	Replacement:	\$ 4,500	
213	2025	AP52667	SVA DECARBONATION TOWER #1 BLOWER (BLO-2901)	REHABILITATION	\$ 8,750	SHOULD THIS BE MOVED TO 2025 WHEN THE TOWER IS DUE FOR INSPECTION AND CLEANING?

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
214	2025	AP52672	SVA DECARBONATION TOWER #2 BLOWER (BLO-2902)	REHABILITATION	\$ 8,750	SHOULD THIS BE MOVED TO 2025 WHEN THE TOWER IS DUE FOR INSPECTION AND CLEANING?
215	2025	AP72404	SVA Decarbonator Bypass Valve Local Control Switch (ZI-2922)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
216	2025	AP52666	SVA Decarbonation Tower #1 (DECA-2901)	INSPECTION (E)	\$ 4,000	FIBERGLASS (RP FTPI 2007-1 STD) LRG - HIGH REPLACEMENT
217	2025	AP52666	SVA Decarbonation Tower #1 (DECA-2901)	Coat:	\$ 5,000	
218	2025	AP52671	SVA Decarbonation Tower #2 (DECA-2902)	INSPECTION (E)	\$ 4,000	FIBERGLASS (RP FTPI 2007-1 STD) LRG - HIGH REPLACEMENT

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
219	2025	AP52671	SVA Decarbonation Tower #2 (DECA-2902)	Coat:	\$ 5,000	
220	2025	AP73425	SVA Backup Fire Pump Control Panel (CONT-9801)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
221	2025	AP52354	SVA MF FEEDWATER INSTRUMENT PANEL (LCP-1100)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
222	2025	AP53038	SVA PNEUMATIC CONTROLLER PANEL (LCP-1009)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
223	2025	AP73453	SVA Battery Charger	Replacement: Replacement, Battery	\$ 4,500	
224	2025	AP53082	SVA TRANSFORMER	Inspection:	\$ 4,444	
225	2025	AP73300	SVA Transformer	Inspection:	\$ 4,444	
226	2025	AP73432	SVA Transformer	Inspection:	\$ 4,444	
227	2025	AP53083	SVA AUX RIO PANEL (LCP-9900)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
228	2025	AP73441	SVA 21 kV Switchgear 9801 (SWGR-9801)	Inspection:	\$ 4,444	
229	2025	AP73442	SVA 21 kV Switchgear 9802 (SWGR-9802)	Inspection:	\$ 4,444	
230	2025	AP73443	SVA 21 kV Switchgear 9803 (SWGR-9803)	Inspection:	\$ 4,444	
231	2025	AP73444	SVA 22 kV Switchgear 9804 (SWGR-9804)	Inspection:	\$ 4,444	
232	2025	PHANTO M4	SVA ELECTRICAL TESTING	Administration Cost: CONTRACT COST FOR ELECTRICAL TESTING	\$ 40,000	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
233	2025	AP52844	SVA MF CIP CIR PUMP SKID VALVE CONTROL PANEL (LCP-1601)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
234	2025	AP73825	SVA MF CIP OFF SKID VALVE MANIFOLD CONTROL PANEL (LCP-1602)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
235	2025	AP52269	SVA MF UNIT #2 CONTROL PANEL (LCP-1002)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
236	2025	AP52270	SVA MF UNIT #3 CONTROL PANEL (LCP-1003)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
237	2025	AP53113	SVA MF Main Control Panel (MCP-1000)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
238	2025	AP70244	SVA MF UNIT #4 CONTROL PANEL (LCP-1004)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
239	2025	AP70245	SVA MF UNIT #5 CONTROL PANEL (LCP-1005)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
240	2025	AP70246	SVA MF UNIT #6 CONTROL PANEL (LCP-1006)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
241	2025	AP70247	SVA MF UNIT #7 CONTROL PANEL (LCP-1007)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
242	2025	AP70248	SVA MF UNIT #8 CONTROL PANEL (LCP-1008)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
243	2025	LP18644	MF SYSTEM PERFORMANCE REVIEW	ANNUAL MF SYSTEM PERFORMANCE REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR RACKS #1-#8
244	2025	AP52790	SVA RO TRAIN #1 LCP-2200	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
245	2025	AP52799	SVA RO TRAIN #2 LCP-2210	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
246	2025	AP52808	SVA RO TRAIN #3 LCP-2220	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
247	2025	LP18513	RO SYSTEM PERFORMANCE REVIEW	ANNUAL RO SYSTEM PERFORMANCE REVIEW	\$ 10,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.
248	2025	AP52618	SVA RO CIP TANK #1 (TNK-2401) 5850 GALS	INSPECTION (E)	\$ 4,000	FIBERGLASS (RP FTPI 2007-1 STD) LRG

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
249	2025	AP52618	SVA RO CIP TANK #1 (TNK-2401) 5850 GALS	Coat:	\$ 5,000	
250	2025	AP52622	SVA RO CIP TANK #2 (TNK-2402) 5850 GALS	INSPECTION (E)	\$ 4,000	FIBERGLASS (RP FTPI 2007-1 STD) LRG
251	2025	AP52622	SVA RO CIP TANK #2 (TNK-2402) 5850 GALS	Coat:	\$ 5,000	
252	2025	AP70227	SVA MF Valve Rack Skid RO Influent (LCP-1001)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
253	2025	AP70229	SVA RO Feed Water Instrumentation Panel (LCP-2100)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				is \$22,500. JC 9/3/19		
254	2025	AP52541	SVA SODIUM HYDROXIDE TANK #2 (TNK-8002) 9100 GALS	REPLACE LINER BAG OR INTERNAL COATING	\$ 25,000	ATM (API) LINED
255	2025	AP52541	SVA SODIUM HYDROXIDE TANK #2 (TNK-8002) 9100 GALS	INTEGRITY INSPECTION (I) + INTERNAL MINIMUM REMAINING THICKNESS TEST (MRT), (LT)+ CLEANING AND REPAIRS	\$ 12,000	ATM (API) LINED
256	2025	AP52551	SVA SODIUM HYDROXIDE CONTROL PANEL #1 (LCP-8001)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
257	2025	AP52555	SVA SODIUM HYDROXIDE CONTROL PANEL #2 (LCP-8002)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				equipment cost is \$22,500. JC 9/3/19		
258	2025	AP52357	SVA SODIUM HYPOCHLORITE TANK #2 (TNK-8102) 6435 GALS	Inspection: INSPECTION (E)	\$ 4,000	
259	2025	AP52590	SVA SULFURIC ACID CONTROL PANEL #1 (LCP-8401)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
260	2025	AP52594	SVA Sulfuric Acid Control Panel 2 (LCP-8402)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
261	2025	AP52574	SVA SULFURIC ACID TANK 3400 GALS (TNK-8401)	INTEGRITY INSPECTION (I) + INTERNAL MINIMUM REMAINING THICKNESS TEST (MRT), (LT)+ CLEANING AND REPAIRS	\$ 12,000	ATM (API) LINED
262	2025	AP52574	SVA SULFURIC ACID TANK 3400 GALS (TNK-8401)	Coat:	\$ 5,000	
263	2025	AP52574	SVA SULFURIC ACID TANK 3400 GALS (TNK-8401)	Inspection: INSPECTION (E) VISUAL + SHELL MINIMUM THICKNESS (UT)	\$ 5,000	
264	2025	AP52595	SVA THRESHOLD INHIBTOR TANK (TNK-8301) 1890 GALS	INSPECTION (E)	\$ 1,000	FIBERGLASS (RP FTPI 2007-1 STD) SM
265	2025	AP52595	SVA THRESHOLD INHIBTOR TANK (TNK-8301) 1890 GALS	Coat:	\$ 5,000	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
266	2025	AP52698	SVA UV ICA PANEL (LCP-3000)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
267	2025	AP52705	SVA UV REACTOR #1 CONTROL PANEL (LCP-3010)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
268	2025	AP52707	SVA UV REACTOR #2 CONTROL PANEL (LCP-3110)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
269	2025	AP52716	SVA UV REACTOR #3 CONTROL PANEL (LCP-3020)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
270	2025	AP52718	SVA UV REACTOR #4 CONTROL PANEL (LCP-3120)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
271	2025	AP52727	SVA UV REACTOR #5 CONTROL PANEL (LCP-3030)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
272	2025	AP52737	SVA UV REACTOR #7 CONTROL PANEL (LCP-3040)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
273	2025	AP52739	SVA UV REACTOR #8 CONTROL PANEL (LCP-3140)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
274	2025	AP52748	SVA UV REACTOR #9 CONTROL PANEL (LCP-3050)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
275	2025	AP52750	SVA UV REACTOR #10 CONTROL PANEL (LCP-3150)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
276	2025	AP52759	SVA UV REACTOR #11 CONTROL PANEL (LCP-3060)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
277	2025	AP52761	SVA UV REACTOR #12 CONTROL PANEL (LCP-3160)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
278	2025	AP52780	SVA UV REACTOR #6 CONTROL PANEL (LCP-3130)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
279	2025	AP52883	SVA UV REACTOR #1 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
280	2025	AP52884	SVA UV REACTOR #2 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
281	2025	AP52885	SVA UV REACTOR #3 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
282	2025	AP52886	SVA UV REACTOR #4 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
283	2025	AP52887	SVA UV REACTOR #5 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
284	2025	AP52888	SVA UV REACTOR #6 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
285	2025	AP52889	SVA UV REACTOR #7 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
286	2025	AP52890	SVA UV REACTOR #8 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
287	2025	AP52891	SVA UV REACTOR #9 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
288	2025	AP52892	SVA UV REACTOR #10 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
289	2025	AP52893	SVA UV REACTOR #11 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
290	2025	AP52894	SVA UV REACTOR #12 WIPER CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
291	2025	LP18523	UV SYSTEM PERFORMANCE REVIEW	ANNUAL UV SYSTEM PERFORMANCE REVIEW	\$ 15,000	ONLY LABOR COST IS NEEDED, WORKORDERS ARE ASSIGNED TO KRIS OR LEI.; \$15,000 FOR REACTORS #1-#12
292	2025	LP18767 A	SVA UV SYSTEM TRAIN 1	AP72500, AP72501; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL
293	2025	LP18767 B	SVA UV SYSTEM TRAIN 2	AP72502, AP72503; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND	\$ 10,900	2 YEAR INTERVAL

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				BALAST CARD.		
294	2025	LP18767 C	SVA UV SYSTEM TRAIN 3	AP72504, AP72505; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL
295	2025	LP18767 D	SVA UV SYSTEM TRAIN 4	AP72506, AP72507; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL
296	2025	LP18767 F	SVA UV SYSTEM TRAIN 5	AP72508, AP72509; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES,	\$ 10,900	2 YEAR INTERVAL

Silicon Valley Advanced Water Purification Center FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
				EVALUATE BULBS, BULB HOURS AND BALAST CARD.		
297	2025	LP18767 G	SVA UV SYSTEM TRAIN 6	AP72510, AP72511; EVALUATE REACTOR FOR POTENTIAL REPLACEMENT OF UV SLEAVES, EVALUATE BULBS, BULB HOURS AND BALAST CARD.	\$ 10,900	2 YEAR INTERVAL
298	2025	AP52538	SVA WASTE EQUALIZATION WASTE ANALYZER PANEL (LCP-5000)	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Table B-17: Campbell Well Field FY22-25 Planned Work

Campbell Well Field FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AP50953	CWF STATION B, CHEMICAL PUMPS VFD	Replacement:	\$ 3,000	MOVED FROM FY21 TO FY22
2	2022	AP50961	CWF STATION B, OCL METER PUMP #1	Replacement: Inspect and replace of entire asset, if needed.	\$ 6,750	MOVED FROM FY21 TO FY22
3	2022	AP50962	CWF STATION B, OCL METER PUMP #2	Replacement: Inspect and replace of entire asset, if needed.	\$ 6,750	MOVED FROM FY21 TO FY22
4	2022	AP50963	CWF STATION B, OCL METER PUMP #3	Replacement: Inspect and replace of entire asset, if needed.	\$ 6,750	MOVED FROM FY21 TO FY22

Campbell Well Field FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
5	2022	AP50975	CWF STATION B, AQUA AMMONIA METER PUMP #1	Replacement: Inspect and replace of entire asset, if needed.	\$ 6,750	MOVED FROM FY21 TO FY22
6	2022	AP50976	CWF STATION B, AQUA AMMONIA METER PUMP #2	Replacement: Inspect and replace of entire asset, if needed.	\$ 6,750	MOVED FROM FY21 TO FY22
7	2022	AP50959	CWF STATION B, OCL STORAGE TANK (905 GAL)	Inspection:	\$ 3,600	MOVED FROM FY21 TO FY22
8	2022	AP50959	CWF STATION B, OCL STORAGE TANK (905 GAL)	Inspection: Inspection (I), (E) + Cleaning	\$ 25,000	MOVED FROM FY21 TO FY22
9	2022	AP50972	CWF STATION B, AQUA AMMONIA TANK #1 (130 GAL), SST	Inspection: INSPECTION (E), (LT)	\$ 1,000	MOVED FROM FY21 TO FY22
10	2022	AP50982	CWF STATION B, AQUA AMMONIA TANK #2 (130 GAL), SST	Inspection: INSPECTION (E), (LT)	\$ 1,000	MOVED FROM FY21 TO FY22
11	2022	AP50973	CWF STATION B, AQUA AMMONIA NEUTRALIZATION TANK #1 (55 GAL) POLY	Inspection: INSPECTION (E), (LT)	\$ 1,000	MOVED FROM FY21 TO FY22

Campbell Well Field FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
12	2022	AP50983	CWF STATION B, AQUA AMMONIA NEUTRALIZATION TANK #2 (55 GAL) POLY	Inspection: INSPECTION (E), (LT)	\$ 1,000	MOVED FROM FY21 TO FY22
13	2023	AP50995	CWF STATION C, PLC & CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
14	2023	AP50935	CWF STATION A, PLC & CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	
15	2023	AP50951	CWF STATION B, PLC & CONTROL PANEL	Replacement: Inspect and replace PLC, contractor; set cost changed to reflect MS revision notes. keep in mind equipment cost is \$22,500. JC 9/3/19	\$ 11,250	

Campbell Well Field FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
16	2023	PHANTO M19	CWF CROSS CONNECTION SURVEY	Administration Cost:	\$ 10,000	
17	2025	AP66775	CWF EMER GEN-1	Replacement:	\$ 1,875	
18	2025	AP66776	CWF EMER GEN-2	Replacement:	\$ 1,875	
19	2025	AP66777	CWF EMER GEN-3	Replacement:	\$ 1,875	

Table B-18: Gilroy Reclamation Line FY22-25 Planned Work

Gilroy Reclamation Line FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR80059	GRL EMERGENCY IRRIGATION STA. 62+10 - TEE WITH 12 INCH BFV (SOUTH)	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	

Gilroy Reclamation Line FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
2	2022	AR80060	GRL EMERGENCY IRRIGATION STA. 62+10 - TEE WITH 12 INCH BFV (NORTH)	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
3	2022	AR80061	GRL EMERGENCY IRRIGATION STA. 62+10 - TEE WITH 12 INCH BFV (CALPINE T.O.)	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
4	2022	AR80064	GRL EMERGENCY IRRIGATION (REHAB) STA. 74+98 - BURIED SERVICE LINE VALVE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
5	2022	AR80067	GRL EMERGENCY IRRIGATION (REHAB) STA. 108+15 - BURIED SERVICE LINE VALVE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
6	2022	AR80074	GRL EMERGENCY IRRIGATION (REHAB) STA. 158+10 - BURIED SERVICE LINE VALVE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	

Gilroy Reclamation Line FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
7	2022	AR80076	GRL EMERGENCY IRRIGATION (REHAB) STA. 170+44 - BURIED SERVICE LINE VALVE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
8	2022	AR80080	GRL EMERGENCY IRRIGATION (REHAB) STA. 192+56 - BURIED SERVICE LINE VALVE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
9	2022	AR80084	GRL EMERGENCY IRRIGATION (REHAB) STA. 200+10 - BURIED SERVICE LINE VALVE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
10	2022	AR80086	GRL EMERGENCY IRRIGATION (REHAB) STA. 213+78 - BURIED SERVICE LINE VALVE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	

Gilroy Reclamation Line FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
11	2023	AR80111	GRL MILLER SLOUGH EXTENSION STA. -FLOW METER 8 INCH	Replacement:	\$ 11,250	
12	2023	AR80120	GRL MILLER SLOUGH EXTENSION STA. 12+70 - BURIED SERVICE VALVE 12 INCH BFV (OR PV)	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
13	2023	AR80122	GRL MILLER SLOUGH EXTENSION STA. 18+60 - BURIED SERVICE VALVE 12 INCH BFV (OR PV), BLIND FLANGE W/4 INCH GATE VALVE BLOWOFF	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
14	2023	AR80096	GRL PLAN & PROFILE EAGLE RIDGE STA. 110+70 APPROX - BURIED 14 INCH BFV. CONNECT TO EXISTING 14 INCH RWL	Replacement:	\$ 7,800	

Gilroy Reclamation Line FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
15	2023	AR80099	GRL PLAN & PROFILE EAGLE RIDGE STA. 128+85.66 - BURIED SERVICE VALVE 14 INCH BFV	Replacement:	\$ 7,800	
16	2023	AR80101	GRL PLAN & PROFILE EAGLE RIDGE STA. 60+00 APPROX - BURIED SERVICE VALVES 14 INCH BFV (NORTH)	Replacement:	\$ 7,800	
17	2023	AR80102	GRL PLAN & PROFILE EAGLE RIDGE STA. 60+00 APPROX - BURIED SERVICE VALVES 14 INCH BFV (EAST)	Replacement:	\$ 7,800	
18	2023	AR80104	GRL PLAN & PROFILE EAGLE RIDGE STA. 87+70 APPROX - BURIED SERVICE BFV 14" (EAST)	Replacement:	\$ 7,800	

Gilroy Reclamation Line FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
19	2025	AR80128	GRL SPORTS PARK SITE RENOV. PHAS I & II, STA. 10+14.20 -BURIED SERVICE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
20	2025	AR80129	GRL SPORTS PARK SITE RENOV. PHAS I & II, STA. 17+22 - BURIED SERVICE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
21	2025	AR80130	GRL SPORTS PARK SITE RENOV. PHAS I & II, STA. 24+15 - BURIED SERVICE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
22	2025	AR80131	GRL SPORTS PARK SITE RENOV. PHAS I & II, STA. 31+50 - BURIED SERVICE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	

Gilroy Reclamation Line FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
23	2025	AR80133	GRL SPORTS PARK SITE RENOV. PHAS I & II, STA. 38+00 - BURIED SERVICE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
24	2025	AR80135	GRL SPORTS PARK SITE RENOV. PHAS I & II, STA. 47+50 - BURIED SERVICE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	
25	2025	AR80137	GRL SPORTS PARK SITE RENOV. PHAS I & II, STA. 48+10 APPROX - BURIED SERVICE 12 INCH BFV	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	\$ 5,600	

Table B-19: Christmas Hill Park FY22-25 Planned Work

Christmas Hill Park FY22-25 Planned Work						
ITEM	YEAR	ASSET #	ASSET NAME	ACTIVITY DESCRIPTION	COST	EFFICIENCIES AND COMMENTS
1	2022	AR80422	GBP BOOSTER STATION BURIED 12 INCH ISOLATION BFV (V-702)	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	5600	
2	2022	AR80423	GBP BOOSTER STATION BURIED 12 INCH ISOLATION BFV (V-703)	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	5600	
3	2022	AR80424	GBP BOOSTER STATION BURIED 12 INCH ISOLATION BFV (V-704)	Replacement: updated frequency from 25 to 20, 4/26/16, JAM	5600	



FISCAL YEAR 2021-2025

WATER UTILITY ENTERPRISE MAINTENANCE WORK PLAN (MWP)

XI. APPENDIX C: REVIEW OF FY2020 MWP PLANNED WORK

Program Success

The MWP program success is defined by:

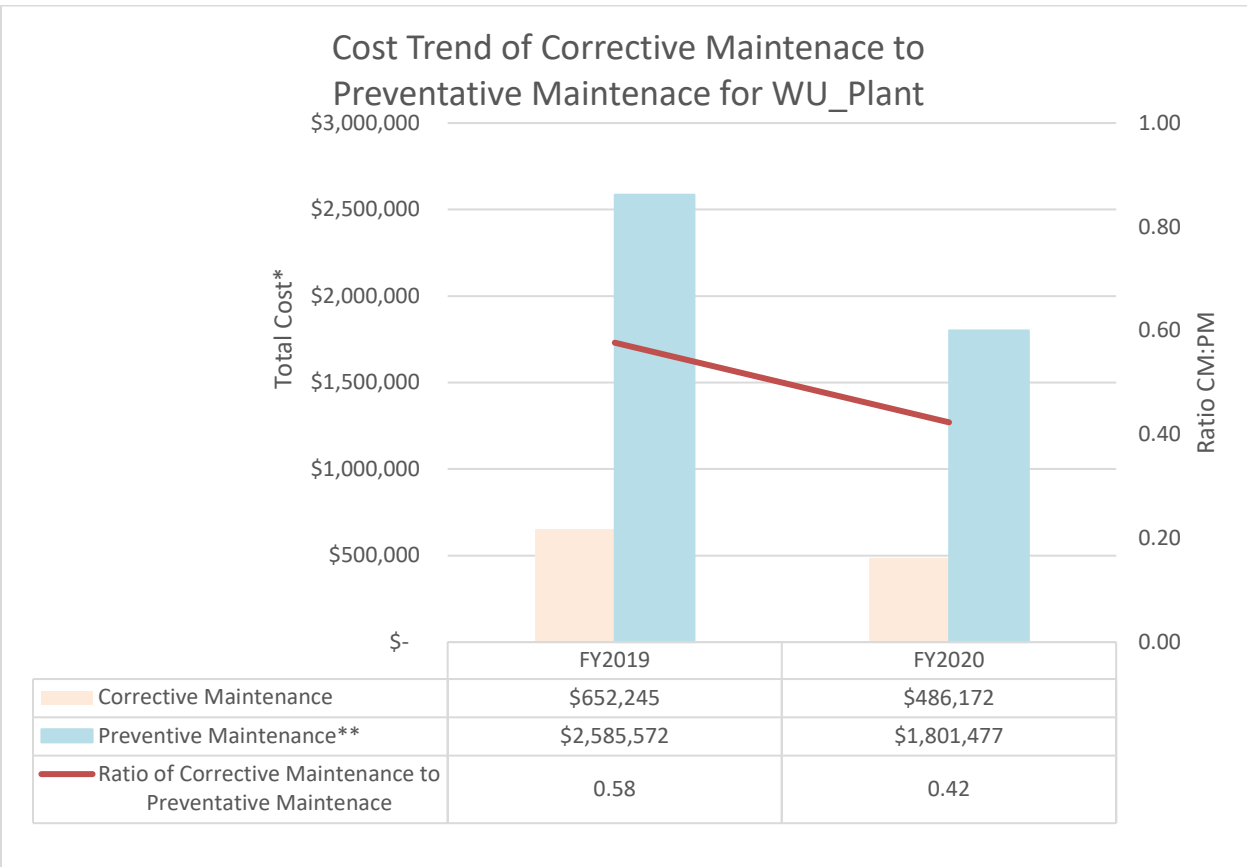
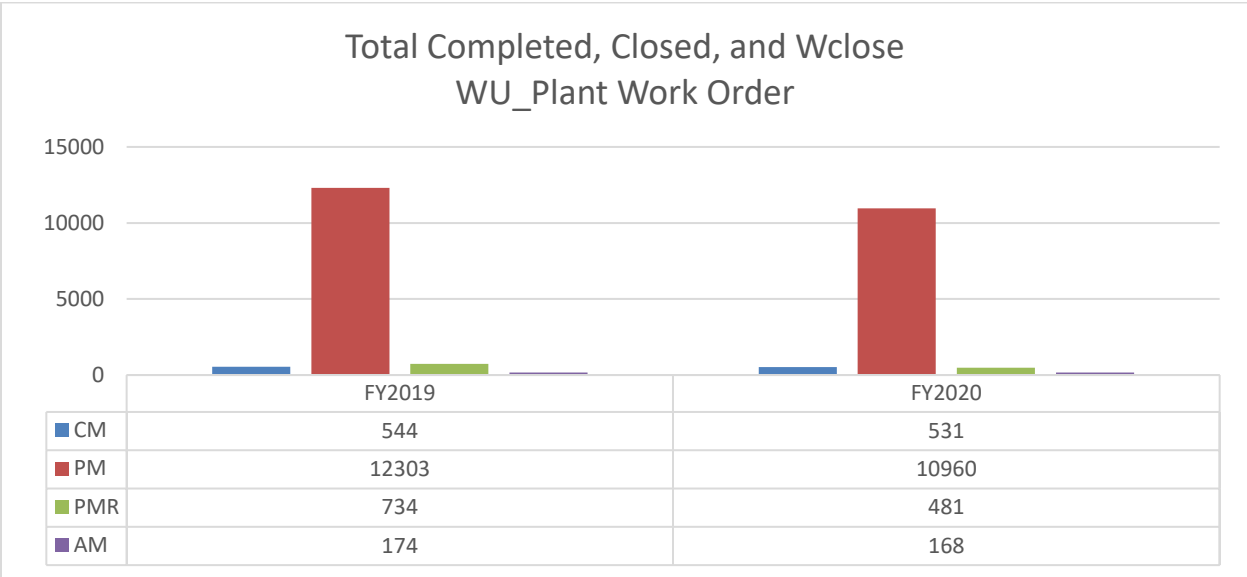
- 40% or better completion rate of the MWP recommended PW.
- Ratio of corrective maintenance to preventative maintenance total cost below 0.8, which has historically exceeded 1.0.

Review

In FY2020, the MWP met the success criteria.

A total of 134 or over 40% of the MWP FY2020 recommended PW items were completed as of June 4, 2020, which required 3,216 staff hours and \$440,963. As of June 4, 2020, 326 backlog work orders were carried over from FY18, FY19, and FY20. In previous MWPs, backlog work orders were referred to as carryover work (CW). The CW may have been overstated since 100 of the backlog work orders were charged to the Pipeline Rehabilitation Projects instead of Asset Maintenance work.

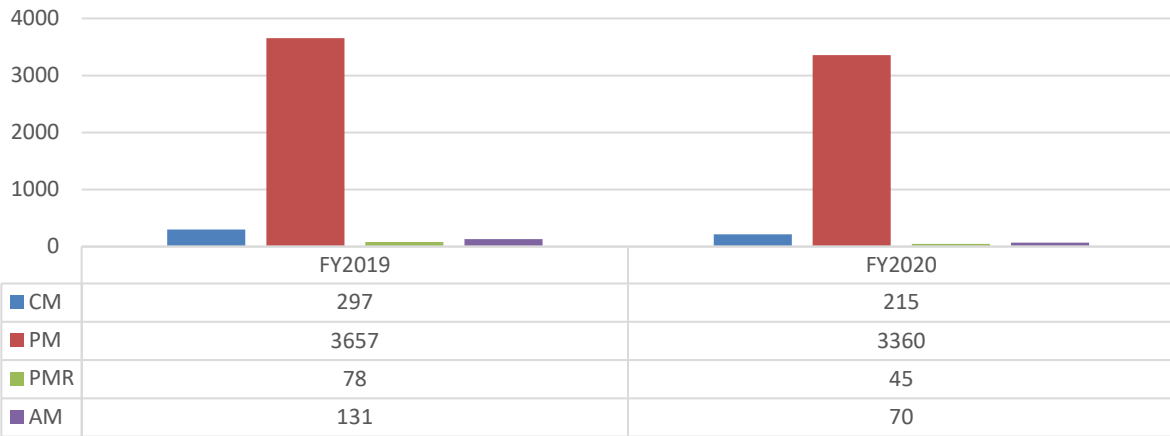
The ratio of corrective maintenance to preventative maintenance is below the success criteria of 0.8 at 0.42 for WU_Plant and 0.57 for RWM.



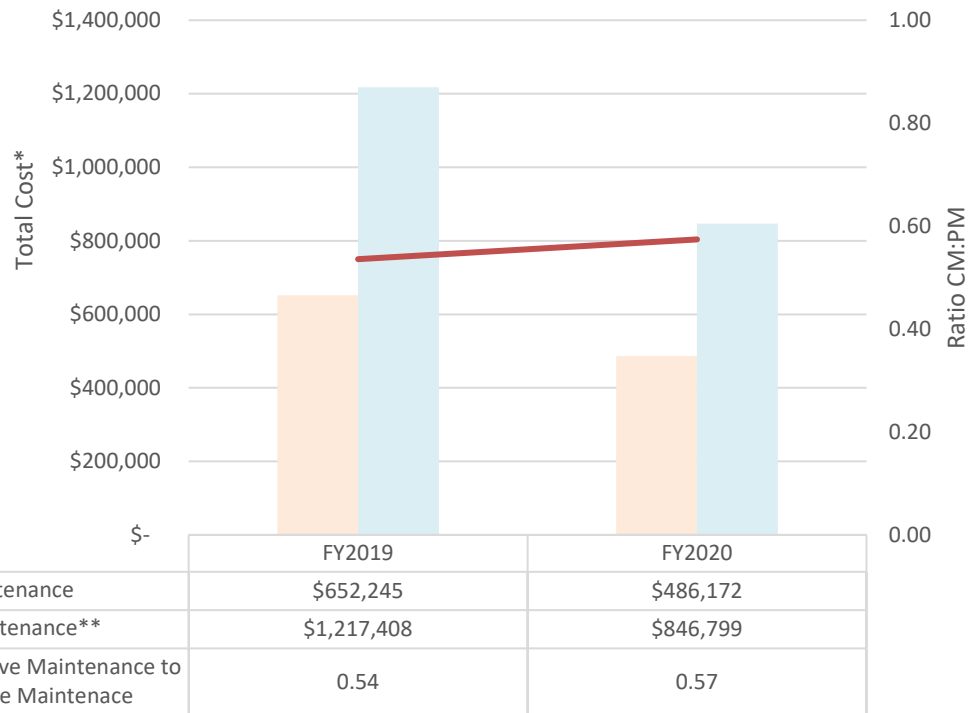
*Total cost recorded in Maximo

** Includes PM, PMR, AM work types

Total Completed, Closed, and Wclose RWM Work Order



Cost Trend of Corrective Maintenance to Preventative Maintenance for RWM



*Total cost recorded in Maximo

** Includes PM, PMR, AM work types