**AGENDA**

**JOINT REGULAR MEETING**
**OF THE**
**ENGINEERING AND OPERATIONS COMMITTEE**
**AND**
**SPECIAL MEETING OF THE BOARD OF DIRECTORS**
**OF THE**
**RANCHO CALIFORNIA WATER DISTRICT**

**Board Room**
**42135 Winchester Road**
**Temecula CA 92590**

**March 26, 2026**
**8:30 AM**

## CALL TO ORDER

## ROLL CALL

## PLEDGE OF ALLEGIANCE

## ADDITIONS TO AGENDA

*Items may be added to the Agenda in accordance with Section 54954.2(b)(2) of the Government Code (Brown Act), upon a determination by a two-thirds vote of the members of the legislative body present at the meeting, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the Rancho California Water District (District) after the Agenda was posted.*

## APPROVAL OF AGENDA

## PUBLIC COMMENT

*Any person may address the Committee at this time upon any subject not identified on this Agenda but within the jurisdiction of the Rancho California Water District. Please note that for items not listed on the agenda, the Brown Act imposes limitations on what the Committee may do at this time. The Committee may not take action on the item at this meeting. As to matters on the Agenda, persons will be given an opportunity to address the Committee when the matter is considered. If you wish to speak during public comment, please fill out a "Speaker Request Form" and give it to the Recording Secretary. When the Committee Chairman calls your name, please immediately step to the podium and begin by giving your name and address for the record. Each speaker will be given three (3) minutes to address the Committee.*

1. **ACTION ITEMS**

   A. Review and Consider Approval of 5-Year Capital Improvement Plan, Proposed Major and Minor Capital Projects, and Budget for Fiscal Year 2026/2027

   B. Review and Recommend Key Components of the Draft Non-Operating Budget, Fiscal Year 2026/2027

   C. Review and Consider Approval of a Task Order with Hazen and Sawyer in the Amount of $236,055, and Additional Funding in the Amount of $65,000, increasing the Project Budget of $250,000 to $315,000 for the Butterfield Stage Road Pump Station Natural Gas [Project No. D2603]

   D. Review and Consider Approval of Additional Funding in the Amount of $800,000, increasing the Overall Project Budget of $14,875,025 to $15,675,025, for the Drilling and Equipping of Well Nos. 173, 174, and 175 [Project Nos. D2009, D2058, and D2121]

2. **INFORMATION ITEMS**

   A. Update on the Rancho Water Mid-Pauba Water Groundwater Banking and Water Resources Program (RaMP)

   B. Update on Vail Dam Seismic and Hydrologic Remediation [Project No. D1911]

   C. Project Status Report - February/March 2026

   D. Operations Reports - January/February 2026

   E. Update on Rancho California Water District's Revised Vehicle Fleet Replacement Program and Proposed Capital Acquisition Budget for Fiscal Year 2026/2027

3. **ADJOURNMENT**

*This Committee meeting is also noticed as a special meeting of the Board of Directors because a quorum of the Board may be present. Members of the Board who are not members of the Committee may attend and participate in the meeting, but only members of the Committee may make, second, or vote on any motion or other action of the Committee.*

*Any actions taken pursuant to this agenda will be actions within the purview of the Committee and shall be approved by an affirmative vote of a majority of the quorum of the Committee. The Committee is not empowered to act for or on behalf of the Board or the District unless exercising delegated authority from the Board. Any actions taken by the Committee shall be deemed recommendations of the Committee for future consideration by the Board at a separately noticed regular or special meeting of the Board of Directors. The Board of Directors retains all powers, privileges, and duties to exercise and perform the business of the District.*

*This agenda will be made available in appropriate alternative formats to persons with disabilities upon request, as required by Section 202 of the Americans with Disabilities Act of 1990. If possible, any person with a disability who requires a modification or accommodation to participate in a meeting should direct such a request to the District Secretary at (951) 296-6900 at least 48 hours before the meeting.*

*Any writings or documents provided to a majority of the members of the Board of Directors regarding any item on this agenda will be made available for public inspection at the District's Administrative Headquarters Building located at 42135 Winchester Road, Temecula, California, during normal business hours.*

**Board Members of the Rancho California Water District**
**Engineering and Operations Committee**

*John Rossi, Chairman*
*J.D. Harkey, Member*
*Bill Plummer, Member*
*Bill Wilson, Alternate*

*Attest to Posting:*

| | |
|---|---|
| */s/Jennifer A. Serna* | *March 20, 2026, 2:00 PM Website and Rancho Water HQ* |
| *Jennifer Serna, District Secretary* | *Date and Time of Posting* |

Rancho Water

COMMITTEE ACTION

# ENGINEERING AND OPERATIONS COMMITTEE

March 26, 2026

**ITEM 1.A: Review and Consider Approval of 5-Year Capital Improvement Plan, Proposed Major and Minor Capital Projects, and Budget for Fiscal Year 2026/2027**

**RESPONSIBLE/LEAD STAFF MEMBER(S):**

Nik Lyuber, Director of Engineering

**RECOMMENDATIONS:**

Staff requests the Engineering and Operations Committee (Committee) recommend the Board of Directors (Board) approve the proposed Draft 5-Year Capital Improvement Plan (CIP) and include those projects in Rancho California Water District's (Rancho Water/District) Long-Range Capital Financing Plan as noted below in the amount of $140,521,000, as summarized in Appendix A of the Draft 5-Year CIP. Staff also requests that the Committee recommend that the Board approve the proposed Fiscal Year (FY) 2026/2027 Major and Minor Capital Projects in the amount of $18,544,000, to be included in the FY 2026/2027 Non-Operating Budget, with possible reimbursement from available grant funds and/or long-term financing.

**DISCUSSION:**

District staff has prepared the proposed Draft 5-Year CIP (attached) for Fiscal Years 2026/2027 through 2030/2031. Included within the Draft 5-Year CIP is a discussion of compliance with Board policies and the Strategic Plan, available funding sources and funding strategy, the capital improvement planning process, project prioritization, project recommendations, project monitoring and reporting, and environmental review. The FY 2026/2027 CIP includes several key projects to address facility needs, defined by events, and operational efficiency needs, such as:

- Del Rey Road Pipeline Replacement (Design & Construction)
- 1380 - 1550 PZ Conversion Pipeline (Design)
- Well No. 240 Pipeline Relocations (Design)
- Well 113 & 123 Replacement (Feasibility Study)
- Headquarters - Roof Repair
- Sewer Facilities Master Plan

**ALTERNATIVES:**

The preparation of the FY 2026/2027 Capital Projects reflects prioritization and sequencing of projects to meet the goals of the District's Strategic Plan, while also accounting for financial and other resource constraints. For the Committee's information, included in Appendix G of the Draft 5-Year CIP is a list of Potential Future Capital Expenditures (Future CIP) that are beyond the current 5-Year CIP planning period.

**FISCAL ANALYSIS:**

The total estimated cost for the proposed Major and Minor Capital Projects for FY 2026/2027 is allocated as follows:

- Rancho Division Debt Service/Capital Improvement Fund - $11,717,250
  - Major Initiatives: $2,825,000
  - Minor Initiatives: $8,892,250

- Santa Rosa Division Debt Service/Capital Improvement Fund - $6,088,750
  - Major Initiatives: $1,075,000
  - Minor Initiatives: $5,013,7750

- Wastewater Division Replacement Fund - $738,000
  - Major Initiatives: $450,000
  - Minor Initiatives: $288,000

Total - $18,544,000

The proposed FY 2026/2027 CIP budget of $18,544,000 is roughly $2 million less than the previous FY 2025/2026 CIP budget of $20,662,500.

Adequate funding is available from each of these funding sources in FY 2026/2027. There are projects in FY 2027/2028, FY 2027/2028, FY 2028/2029, FY 2029/2030, and 2030/2031 for which there are no current funding sources identified, and the District may elect to pursue long-term financing. Included for the Committee's information in Appendix "G" of the 5-Year CIP is a list of potential future significant capital expenditures (Future CIP) that are beyond the current 5-Year CIP planning period. In addition, a summary of previous Capital Improvement and Capital Replacement Facilities budgeted for the past 20 years is included in Appendix "H" for reference.

**ENVIRONMENTAL REQUIREMENTS:**

The 5-Year CIP and recommended list of capital projects to be included in the FY 2026/2027 Non-Operating Budget is not considered a project, as defined by the District's Local Guidelines for Implementing the California Environmental Quality Act (CEQA), and an environmental review is not required for its approval by the Board. Individual projects listed herein may be subject to CEQA, and environmental review will be conducted at the appropriate time during implementation of those projects and before approval of the construction contract.

**EXHIBITS/ATTACHMENTS:**

1. Draft 5-Year CIP

# 5-YEAR CAPITAL IMPROVEMENT PLAN

## (Fiscal Years 2026/2027 – 2030/2031)

**Draft March 26, 2026**

Rancho California Water District
42135 Winchester Road, Temecula, CA 92590
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Figure 2 – Rancho Water Recycled Water Service Area

Figure 3 – Rancho Water Wastewater Service Area

## Appendices

A. 5-Year Capital Improvement Plan Summary

B. 5-Year Major Capital Project List

C. 5-Year Minor Capital Project List

D. Capital Project Funding Breakdown

E. Capital Projects Grouped by Classification

F. FY 2026/2027 Major Capital Project Information

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# Overview

## Introduction

Rancho California Water District (Rancho Water/District) provides potable water service to approximately 99,170 acres, which includes the city of Temecula, portions of the city of Murrieta, and unincorporated territory in the southwestern county of Riverside (see Figure 1 – Rancho Water Potable Water Service Area). The District also provides recycled water service to a limited portion of its potable water service area (see Figure 2 – Rancho Water Recycled Water Service Area).

In 2015, Rancho Water, Western Municipal Water District, and Elsinore Valley Municipal Water District formed a joint powers authority to provide regional wastewater collection and treatment within a portion of the cities of Murrieta and Temecula (see Figure 3 – Rancho Water Wastewater Service Area, including Santa Rosa Regional Resources Authority Wastewater Service Area). Wastewater facilities, such as the Santa Rosa Water Reclamation Facility and its major trunk sewer facilities, are budgeted and governed by the Santa Rosa Regional Resources Authority, and these facilities and capital projects are not included in the District's 5-Year Capital Improvement Plan (CIP).

In 2014, Rancho Water acquired approximately 7,700 acres of property surrounding Vail Lake, which generally consists of an RV Resort and Lake Marina facilities. On March 14, 2019, the District entered into a long-term lease agreement for the Vail Lake RV Resort Campground with KAMP-VL-LLC, a subsidiary of Kampground's Enterprises Incorporated (KEI), resulting in no related projects included in the District's 5-Year CIP.

The District's CIP is separated into four divisions:

1. The Rancho Division consists of those potable and recycled water facilities for the portion of Rancho Water (originally created in 1965) that was annexed into the Eastern Municipal Water District for supplemental wholesale water.

2. The Santa Rosa Division consists of those potable and recycled water facilities for the portion of the former Santa Rosa Ranches Water District (originally created in 1968) that was annexed into Western Municipal Water District for supplemental wholesale water. The two water districts were consolidated into Rancho Water in 1977.

3. The Resource Division consists of those potable and recycled water facilities that serve both the Rancho and Santa Rosa Divisions.

4. The Wastewater Division consists of all the wastewater facilities unique to the District and not included in the Santa Rosa Regional Resources Authority.

The inventory of major existing District facilities is as follows:

- Potable Water System
  - Reservoirs – 40
  - Pump Stations (including hydropnuematic stations) – 34
  - Pressure Reducing Stations – 15
  - Pipelines (20-inch & larger) – 210 miles
  - Pipelines (Less than 20-inch) – 742miles
  - MWD Turnouts – 4
  - Production Wells – 51
- Non-Potable Water System (recycled water and untreated water)
  - Reservoirs – 4
  - Pump Stations – 7
  - Pipelines (20-inch & larger) – 33 miles
  - Pipelines (Less than 20-inch) – 39 miles
  - MWD Turnouts – 3 (2 active, 1 inactive)
  - Production Wells – 5
  - Recycled Water Storage Ponds – 5
  - Groundwater Recharge Basins – 2
  - Lake Impoundment (Vail Lake & Dam) – 1

- Wastewater System
  - Lift Stations – 1
  - Gravity Sewer Pipelines – 52 miles
  - Sewer Force Main Pipelines – 2.5 miles
  - Manholes – 1,455
- Other Facilities
  - Headquarters Building – 1
  - Rental Building Facility – 1
  - Solar Photovoltaic Facilities – 4
  - Vail Lake Property

## Purpose

The District's Fiscal Year (FY) 2027-2031 5-Year CIP is a projection of the District's capital funding requirements for planned capital projects in FY 2026/2027 through FY 2030/2031. In addition, the District's CIP for FY 2026/2027 is recommended to be included in the approved list of capital and non-capitalized projects for the FY 2026/2027 Non-Operating Budget.

The 5-Year CIP is prepared in accordance with the guidelines and best practices established by the Government Finance Officers Association (GFOA). Capital projects in the 5-Year CIP are defined by the GFOA capitalization thresholds for capital assets, the Public Contract code definition of a "public project," and the District's capitalization procedures, in which capital projects are projects that exceed $10,000 in cost, have long-term life spans (greater than two years), and are generally nonrecurring (not maintenance work). Major capital projects are defined as facility-related and generally consist of:

- Construction of a new facility (i.e., a pipeline, reservoir, or pump station, etc.).
- Addition to, or expansion or replacement of, an existing facility.
- Nonrecurring rehabilitation or betterment to a facility that extends the asset life of the facility or improves its functionality (i.e., reservoir recoating, etc.).

- Acquisition of land for a public purpose.
- Specific planning, engineering study, or design work related to a particular project, as defined in the aforementioned categories.

Minor capital projects are defined as component-related capital projects for a larger facility. The difference between a major capital project and a minor capital project is that a minor capital project typically represents a repair or rehabilitation activity that restores an asset component to its original condition, maintains the useful life of the asset component, or improves its functionality (betterment). Minor capital projects generally consist of:

- Replacement or installation of new pipeline appurtenances (i.e., air release assemblies, fire hydrants, valves, corrosion test stations, sacrificial anodes, etc.)
- Replacement of reservoir sacrificial anodes
- Replacement or rehabilitation of pumping unit components (i.e., pump bowl assemblies, pump seals, pump motors, etc.)
- Replacement of electrical/instrumentation components (i.e., motor control panels, motor starters, programmable logic controllers)
- Sewer manhole coating and repairs

Non-capitalized projects that are included in the Non-Operating Budget, but are not capitalized by the District, are projects or programs that either define future capital projects or are mandated by a regulatory agency. These projects are not unique to a particular asset and generally consist of:

- Master plans for water or wastewater facilities
- Water Loss Audit
- Asset management program activities
- Planning or engineering study not related to a particular capital project

Per the District's capitalization procedures, other capitalized items that are excluded from the capital projects listed in the 5-Year CIP are capital acquisition budget items. Capital acquisition budget items are typically materials or equipment that cost greater than $10,000 and have a life span of greater than one year, consisting generally of:

- Fleet vehicle purchases
- Information technology purchases
- Capital acquisition of materials or equipment

Planned corrective maintenance projects are also excluded from the capital projects listed in the 5-Year CIP, and funded by the Non-Operating Budget (life span greater than two years and exceeds $10,000 in cost), and generally consist of:

- Slurry seal coating of existing asphalt surfaces
- Recoating of existing painted surfaces, excluding reservoirs
- Reservoir cleaning, coating repair, and video inspection
- Rewinding and repairing pump station and well motors

Regularly occurring maintenance activities that are performed to keep assets in their normal operating condition in order to maintain their original useful asset life are excluded from the 5-Year CIP and are expensed to the District's Operating Budget.

## Compliance with the Strategic Business Plan

The District's Strategic Business Plan, most recently updated in 2017, outlines the specific goals, strategies, and objectives to accomplish its mission as a special-purpose public agency dedicated to high-quality water, wastewater, and recycled water service. The development of the District's 5-Year CIP is in accordance with the Strategic Business Plan, more specifically as part of Guiding Principle 3 (Stewardship); Strategy 5 (Maintain, implement, and enhance the Long-Range Financial Plan), and satisfies the following Objective:

- Objective 1 - Annually develop a 5-year CIP

The 5-Year CIP identifies the capital funding requirements in order to provide an annual update to the District's Long-Range Financial Plan, and identifies and prioritizes the capital facilities required to provide reliable and efficient service, in accordance with sound asset management planning.

## Board Policies

The 5-Year CIP is also prepared in compliance with the following District financial policies:

- Investment Policy – The 5-Year CIP and the recommended list of capital projects to be included in the FY 2026/2027 Non-Operating Budget provide the necessary information to ensure that the District's construction fund is structured to meet the schedule of payouts for capital expenditures and that the operating reserve fund is properly invested in order to provide for future capital expenditures.

- Cash Reserve Policy – The 5-Year CIP and the recommended list of capital projects to be included in the FY 2026/2027 Non-Operating Budget provide the necessary information to ensure that the District's debt reserves, capital facility reserves, and replacement reserve funds are sufficiently funded.

- Debt and Financial Management Policy – The 5-Year CIP and the recommended list of capital projects to be included in the FY 2026/2027 Non-Operating Budget provides the necessary information to ensure that the District evaluates each capital project in relation to the District's established level of reserve funds, current rate structure, and available revenue sources to ensure that adequate financial resources are available to support the District's financial obligations.

# CIP Funding Sources

## Non-Operating Budget and Long-Range Capital Financing Plan

The District's Operating Budget consists of those normal ongoing operating costs incurred to operate and maintain the functions of the District, including wages, materials, utilities, professional and outside services, and other such operating expenses. The Operating Budget is funded primarily through user charges as an enterprise fund. Capital projects are not funded through the District's Operating Budget.

As identified in the District's Non-Operating Budget and Long-Range Capital Financing Plan, all capital facilities are funded by bond funds or cash reserves. The District's cash reserves consist of capacity fee funds, replacement funds, or debt service construction funds, as defined below:

- Capacity fee funds are used for capital projects that support new or future users of the capital facilities. The District collects capacity fees from new development to help cover the cost of expanding the water, recycled water, and wastewater system capacity to serve new development within the District's service area.

- Replacement funds are used for those projects that renew or replace existing facilities because of deterioration, have exceeded their useful life, or require relocation. Replacement funds are funded from property taxes.

- Debt service construction funds are used for capital projects, which can be new or replacement facilities. Debt service construction funds are funded by ad valorem assessments, standby charges, general-purpose property taxes, and investment earnings.

The District also utilizes external funding opportunities, where appropriate, to partially fund capital projects. Historically, external project funding has consisted of the following:

**United States Bureau of Reclamation:**

- WaterSMART: Water and Energy Efficiency Grants
- WaterSMART: Small-Scale Efficiency Grants
- WaterSMART: Applied Sciences Grants
- WaterSMART: Drought Resiliency Grants
- WaterSMART: Title XVI: Water Reclamation and Reuse Projects
- Water Conservation Field Services Program Grants
- Bay-Delta Restoration Program: CALFED Water Use Efficiency Grants
- Agricultural Water Conservation and Efficiency Grants

**California Department of Water Resources:**

- Proposition 50: Agricultural Water Use Efficiency
- Proposition 84: Integrated Regional Water Management (IRWM) Grants
- Proposition 1: Agricultural Water Efficiency Grants
- Local Groundwater Assistance Grant
- Proposition 1: Integrated Regional Water Management Grants (Upcoming)

**Federal Emergency Management Agency (FEMA):**

- Emergency Declaration Funds
- Hazard Mitigation Grant Program (Upcoming)

**California Department of Food and Agriculture:**

- Specialty Crop Block Grant

**Other:**

- California Solar Initiative and Qualified Energy Conservation Bonds

## Funding Strategy

The District's funding strategy, as identified in the Long-Range Capital Financing Plan, is to fund all capital facilities through bond funds or cash reserves. The goals of this strategy are to: 1) maximize the District's existing financial resources so that commodity rate impacts are minimized; 2) appropriately use the District's revenue sources in an equitable manner; 3) not issue debt in excess of the District's bonding capacity; 4) maintain the District's high credit rating; 5) transition the bonding capacity of the District to fund future replacement facilities as the future new capital facilities are completed; and 6) to appropriately use external funding opportunities when advantageous to the District.

The FY 2026/2027 Major and Minor Capital Projects total $18,544,000 and are allocated as follows:

- Rancho Division Debt Service/Capital Improvement Fund - $11,717,250
- Santa Rosa Division Debt Service/Capital Improvement Fund - $6,088,750
- Wastewater Division Replacement Fund - $738,000

# CIP Planning Process

## Schedule

Each year, as part of the Operating and Non-Operating Budget approval process by the Board of Directors, staff utilizes the following fiscal year (July 1 – June 30) budget schedule:

- Bi-weekly – Conduct tactical coordination meetings between the engineering and operations/maintenance divisions.
- November – Initiate staff discussions on CIP project list revisions based on updated information compiled throughout the year.
- January – Management review of the preliminary CIP project list.
- February/March – Board of Directors-Engineering and Operations Committee review of the draft 5-year CIP and the draft Non-Operating Budget, and the Board of Directors' Budget Workshop.
- May/June – Board of Directors' approval of the fiscal year Operating and Non-Operating Budget, including the 5-Year CIP and funding for the upcoming fiscal year CIP.

## Stakeholder Input

Each year, as part of the Operating and Non-Operating Budget approval process by the Board of Directors, stakeholder input is generally solicited as follows:

- Notification of public meetings for the various Board of Directors' Budget Workshops and Board of Directors-Committee meetings.
- Posting of the 5-Year CIP on the District website.
- Conducting an annual farm managers' meeting.

- Distribution of the draft 5-Year CIP to the planning agencies of the City of Temecula, the City of Murrieta, and the County of Riverside for consistency review with their respective general plans, in accordance with Government Code section 65403.

- Distribution of the draft 5-Year CIP to the planning departments of the Eastern Municipal Water District, Western Municipal Water District, and Elsinore Valley Municipal Water District.

## CIP Program Documents

The 5-Year CIP project list is developed from information compiled from the District's 2015 Water Facilities Master Plan, 2016 Sewer Facilities Master Plan, 2018 Recycled Water Resources Plan, and other study initiatives that represent projects involving:

- New or expanded facility infrastructure

- Improved and optimized source of water supply, primarily through increased groundwater recharge and recovery

- Increased use of recycled water

- Improved and optimized water or wastewater system infrastructure

In addition, the 5-Year CIP project list is also developed from existing asset condition information, analyzed from the District's Computerized Maintenance and Management System (and other data sources), which typically represents planned repair or rehabilitation activity. The District is currently assembling facility asset management plans that are part of a comprehensive program, wherein services provided by the District will meet customer expectations for reliability, sustainability, and cost-effectiveness.

# CIP Project Categories and Prioritization

## Classification of Improvements

The 5-Year CIP project list is separated by fiscal year, by the District's divisional structure, and by major and minor capital projects (see Appendix "B" for the major capital projects and Appendix "C" for the minor capital projects). Detailed project information is provided for the major capital projects, including the non-capitalized projects, for FY 2026/2027 in Appendix "F" and for FY 2027/2028 in Appendix "G." The projects recommended in the 5-Year CIP generally consist of the following classification of improvements:

- Construction of a new utility facility (i.e., a pipeline, reservoir, or pump station):
  - Facility required by new development:
    - Class 1 – Source of Supply (benefits all properties within Rancho Water)
    - Class 2 – Divisional Delivery System (benefits all properties within a specific Division or multiple Pressure Zones)
    - Class 3 – Property-Specific Delivery System (benefits only individual properties, tracts, or single Pressure Zones)
  - Facility required to improve the level of service, or improve operational efficiency
  - Facility required due to regulatory compliance
- Addition to, or expansion of, an existing facility:
  - Facility required by new development:
    - Class 1 – Source of Supply
    - Class 2 – Divisional Delivery System
    - Class 3 – Property-Specific Delivery System
  - Facility required to improve the level of service, or improve operational efficiency
  - Facility required due to regulatory compliance

- Replacement of an existing facility:
  - Relocation due to changed environmental conditions or obsolescence
  - Replacement due to asset condition or end of useful life
- Nonrecurring rehabilitation or betterment to a facility or facility component that extends the asset life or improves its functionality
- Facility planning and management:
  - Asset management program activities
  - Planning documents mandated by regulations
  - Facility master plans

## Project Prioritization

The 5-Year CIP project list is separated by fiscal year, by the District's divisional structure, and by major and minor capital projects (see Appendices "A" and "B"). Although most minor capital projects are not prioritized, their needs are validated as part of the District's asset management principles and practices. The major capital projects recommended in the 5-Year CIP have been prioritized with the following process:

1. Establish CIP Prioritization Criteria (i.e., Benefit Criteria). Once established, the Benefit Criteria can be revisited from time to time to confirm whether the District's business or strategy warrants a revision to the Benefit Criteria. Once developed or revised, the Benefit Criteria receive a weighting. There are 13 Benefit Criteria and their respective weightings, which are identified as follows:

| Criteria | Weighting |
|---|---|
| Maintain Regulated (Safety) | 16% |
| Maintain Regulated (Service) | 15% |
| New Regulations (Safety) | 15% |
| New Regulations (Service) | 15% |
| Maintain Discretionary LOS | 10% |
| Growth | 9% |
| Resilience | 6% |
| Financial | 5% |
| Enhance Discretionary LOS | 5% |
| Maintain Aesthetics | 1% |
| Environmental Improvement | 1% |
| Enhance Aesthetics | 1% |
| Working Environment | 1% |
| Sum | 100% |

2. Multi-Criteria Prioritization. The weighted Benefit Criteria are then applied to the projects for prioritization. Each proposed project needs to have at least one benefit for it to be considered in the CIP. A project with at least one benefit (and no more than three) is then loaded into the District's Multi Criteria Prioritization (MCP) model under one or more of four investment drivers (maintaining an asset, maintaining regulatory, enhancing service, and growth) and scored based on risk improvement and population impacted.

3. Derive Uptake Factor. An Uptake Factor is then applied to scale (normalize) the projects and reflect the number of customers (or other stakeholders) receiving the benefit. The distinctive feature of the Uptake Factor is to more clearly distinguish between large projects providing benefits to a large number of customers versus small projects providing benefits to a small number of customers. This step results in a total benefit score.

4. Review and Adjust Benefit Scores. This step is conducted collaboratively in a group consensus setting.

5. Calculate Efficiency. This step is performed within the modeling tool. The calculated efficiency value helps to understand how projects compare to other projects of similar cost in terms of total benefit delivered for the cost. This is an important step to help ensure that large projects that may have a broad system-wide benefit are not disadvantaged in the model.

6. Calculate Priority Score. This step is performed within the modeling tool. The priority value is on a 1 to 5 scale, with 1 being the most advantageous (highest priority) and 5 being the least advantageous (lowest priority).

7. Apply Funding Constraints. For this step, the District's financial (funding) constraints for the Rancho, Santa Rosa, and Resource Divisions are entered into the model.

8. Fit Projects within Funding Constraints. The model helps staff make adjustments to projects to fit within funding limitations and also makes sure those projects deemed to be most advantageous (highest priority) are delivered first. To do this, the model selects the most advantageous projects for delivery up to each year's funding constraints. If a project causes the budget limitations to be exceeded, the model selects the next lowest priority project to push to the next business cycle. In other words, the advantageous projects that cannot be completed in the first year due to funding constraints are moved to the next year, and so on. Staff must interact with the model to make adjustments for projects that span several years, to make adjustments where one project depends upon another's completion, and address situations where unacceptable risk is introduced if the model defers projects

## Major Project Initiatives

The 5-Year CIP is the implementation of numerous project initiatives and ongoing programs being advanced by the District, summarized in Appendix "E" and categorized by the following investment drivers:

- Regulatory (REG) – This type of project is required due to a permit requirement, mandated regulation(s), or legislation:
  - Clean Fleet Rules Compliance Improvements
  - Well No. 240 – Wellhead Treatment Facilities (Construction)
- Water Resource (WR) – This type of project improves the District's water supply and/or improves the cost and reliability of providing water service:
  - Well No. 113 Replacement (Design)
  - Well No. 113 Replacement (Construction)
  - Well No. 123 Replacement (Design)
  - Well No. 123 Replacement (Construction)

- Operational Efficiency Improvement (OEI) – This type of project maintains or improves the efficiency of the District's systems and related operations:
  - Pump Stations
    - Baldaray Pump Station (Design)
    - Baldaray Pump Station (Construction)
  - Wells
    - Wells 130, 131, and 177 Common Treatment Improvement (Construction)
  - Distribution System
    - 1380-1550 Pressure Zone Conversion Pipelines (Design and Construction)
  - Common Enterprise Systems
    - Utility Billing and Customer Information System Upgrade
  - Common Water Facilities
    - Emergency Interconnection with Fallbrook Public Utilities District

- Repair and Replacement (R&R) – This type of project is to rehabilitate or replace existing facility asset infrastructure scheduled for renewal and/or has reached its expected useful life. The repair and replacement activity may also result in improved asset functionality. Repair and replacement projects are validated based on their assessed condition, likelihood and consequence of failure, and performance:
  - Del Rey Road Pipeline Replacement (Inhouse – Design and Construction)
  - Headquarters Roof Repair
  - Recycled Water Storage Pond Improvements (Construction)
  - Redhawk Parkway Recycled Water (Construction)
  - Well No. 240 Discharge Pipeline Relocations (Design)
  - Winchester Park Lift Station and Forcemain Abandonment

- New Development (ND) – This type of project is required to provide service to accommodate new development or to facilitate planned development, which may also provide a system operating improvement:
  - Distribution System
    - Vineyards Reservoir Pipeline (Construction)
  - Reservoirs
    - Buck Mesa No. 3 (1610 PZ) and I/O TM (Design)
  - Common Recycled Water Facilities
    - 1381 Storage Expansion Project (Design)
- Facility Planning and Management (FP) – This type of project activity consists of planning due to mandated regulations, asset management planning, facility master planning, or other facility management plans:
  - Water Facilities Master Plan Update
  - Sewer System Master Plan Update
  - Fiscal Year 2028/2029 and 2029/2030 Sewer Video Survey and Condition Assessment

# CIP Project Recommendation and Funding

## Project Recommendations

All of the projects identified in the 5-Year CIP are proposed to be included in the Long-Range Capital Financing Plan. The major and minor capital projects identified for FY 2026/2027 are proposed to be included in the Non-Operating Budget for FY 2027/2028. A list of deferred capital expenditures is provided in Appendix "H."

## Project Funding Recommendations

The funding strategy for the projects recommended in the 5-Year CIP is to fund the projects initially through cash reserves, as identified in the project funding breakdown provided in Appendix "D." Evaluation of available outside funding or potential reimbursement of cash reserves through long-term financing will be analyzed separately during the budget review process.

## CIP Environmental Review

The 5-Year CIP and the recommended list of capital projects to be included in the FY 2026/2027 Non-Operating Budget is not a "project," as defined by Section 3.01 of the District's Local California Environmental Quality Act (CEQA) guidelines because approval of the 5-year CIP does not commit the District to definite course of action and the approval does not result in a direct or indirect physical change in the environment; therefore, an environmental review is not required for its approval by the Board of Directors.

Environmental review for the individual projects listed within the FY Non-Operating Budget may be subject to CEQA and will be conducted at the appropriate time during the design phase of those projects and prior to the approval of the contract for construction, which is the CEQA trigger for the District to be committed to a definite course of action in regard to a project.

## CIP Potential Future Capital Expenditures

A list of deferred future significant capital expenditures (Future CIP) is provided in Appendix "H." This list includes projects beyond the current 5-Year CIP planning period and is subject to additional considerations, including strategic initiatives, feasibility, costs, funding opportunities, development/growth, and priorities.

# CIP Project Benchmarks, Monitoring, and Reporting

## Internal Management Monitoring

Staff utilizes the following performance measurement indicators for the internal monitoring of the approved CIP projects:

- Project completion in a cost-effective manner, as defined by the percentage of actual cost compared to budgeted cost; target is less than 110 percent
- Project completion in a timely manner, as defined by percentage of completed projects compared to estimated project completion; target is more than 80 percent

## Board-Committee Reporting

The aforementioned performance measurement indicators are reported at the Board of Directors-Finance and Audit Committee meeting on a quarterly basis.

Staff utilizes the following project information to report the progress of ongoing approved CIP projects at the monthly Board of Directors-Engineering and Operations Committee meeting:

- Project status reports for construction projects, including cost-to-date comparison to budgeted cost, percentage of project completion, percentage of change order costs, and project change order log
- Summary report of all issues outside the contract
- Summary report of all open capital projects greater than $100,000 budget

Staff utilizes the following project information to report the progress of ongoing approved CIP projects at the monthly Board of Directors-Finance and Audit Committee meeting:

- Summary report of all issued outside contracts
- Summary report of all open capital projects greater than $100,000 budget

# FIGURES

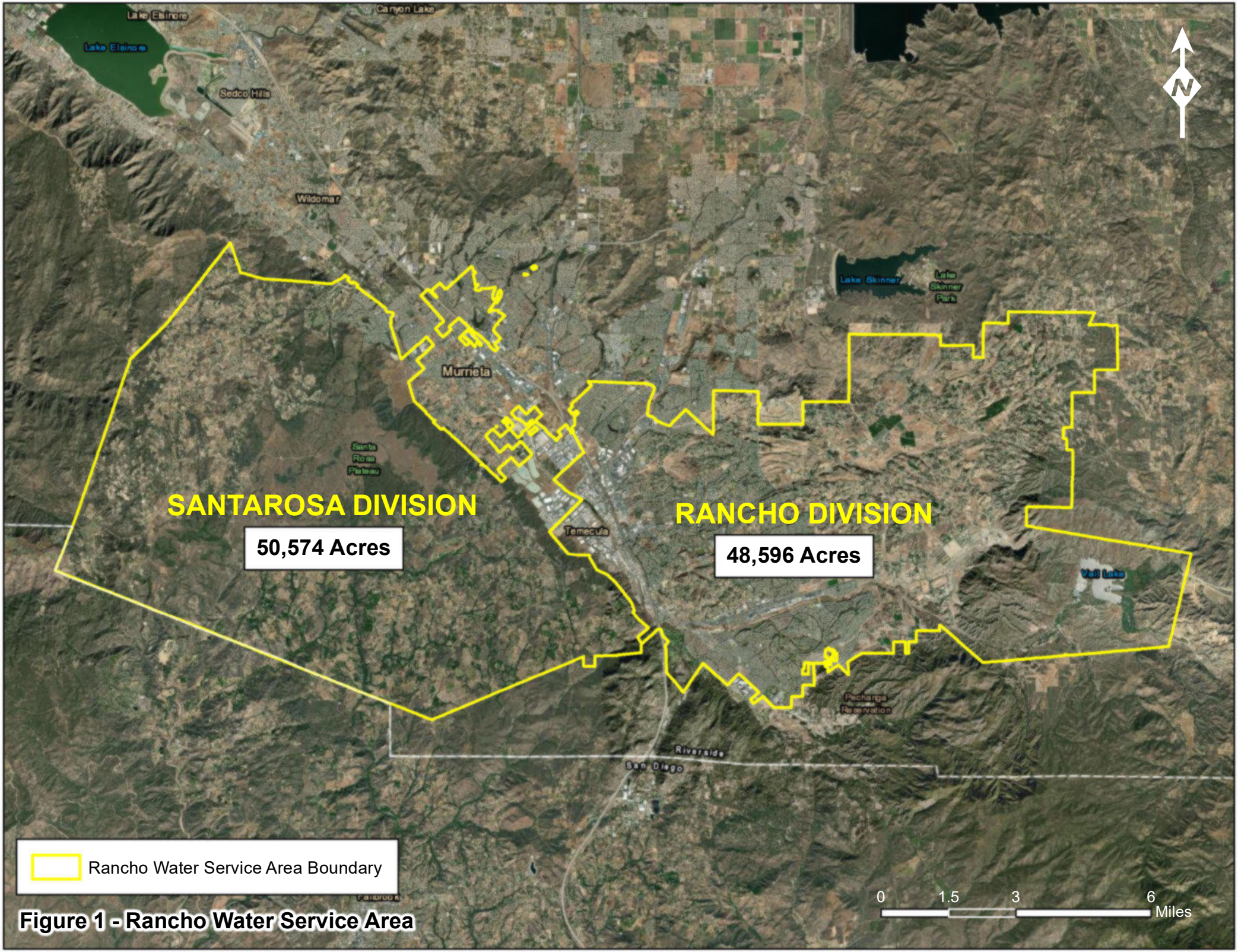



**Figure 1 - Rancho Water Service Area**

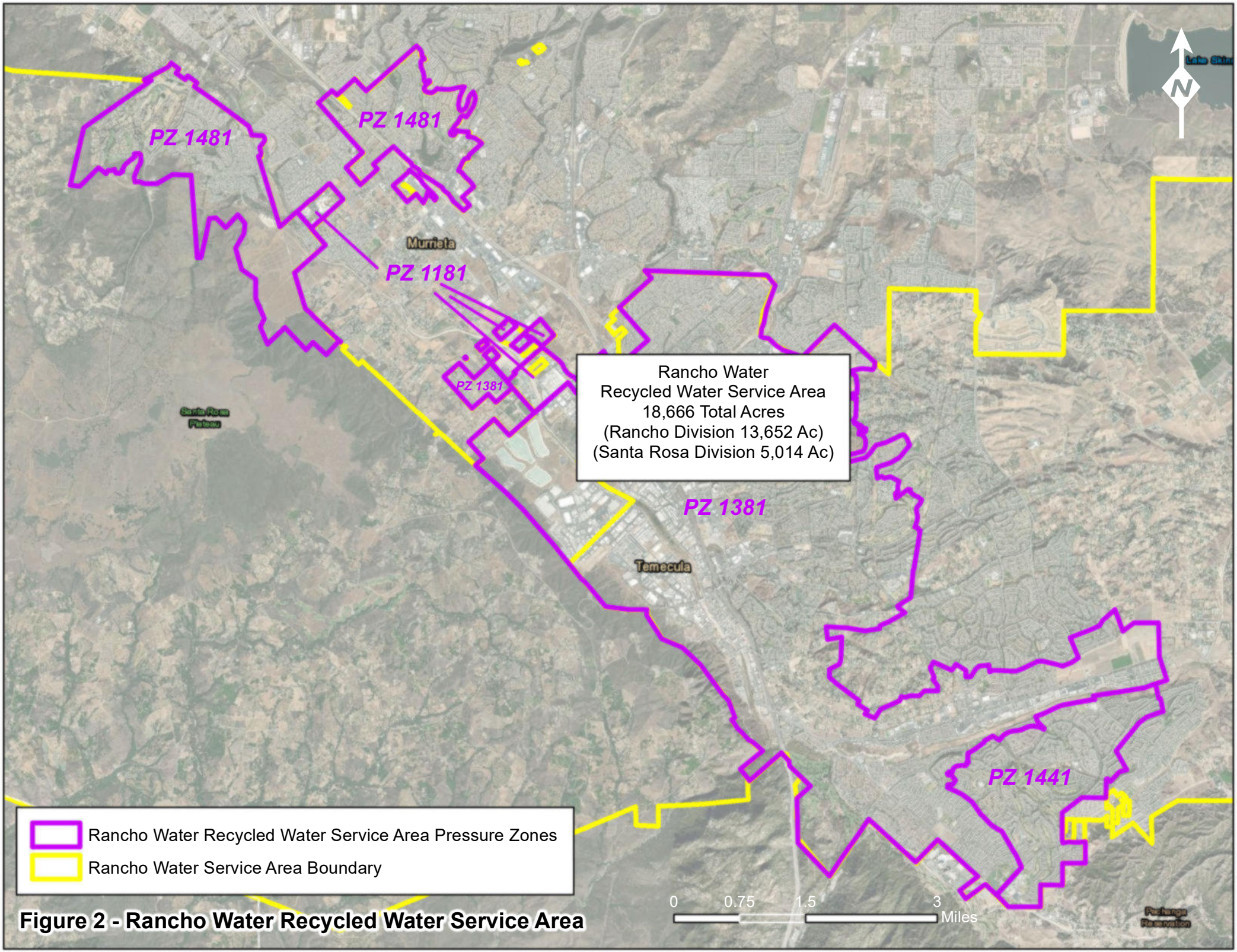



**Figure 2 - Rancho Water Recycled Water Service Area**

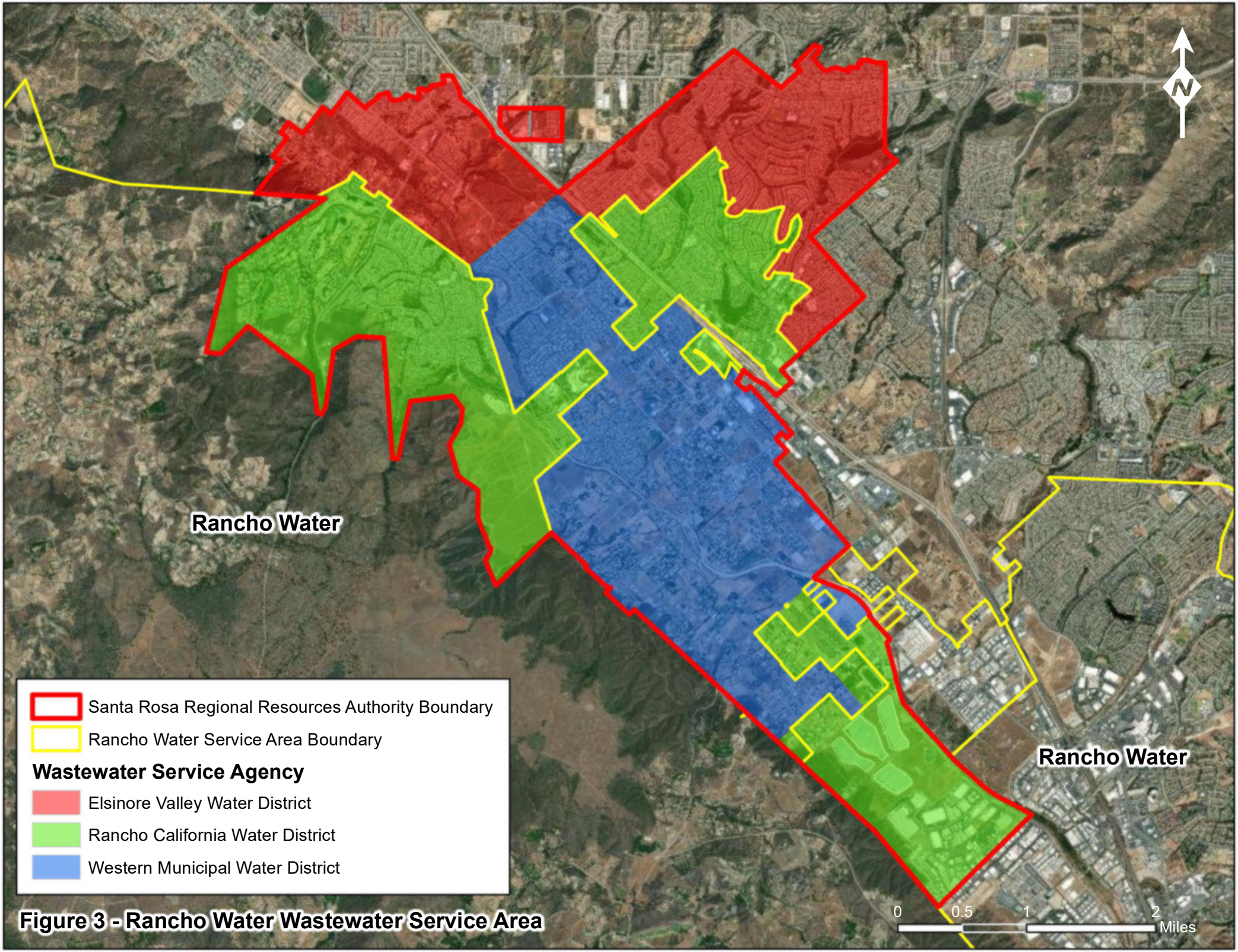



**Figure 3 - Rancho Water Wastewater Service Area**

# APPENDIX A

## 5-YEAR

## CAPITAL IMPROVEMENT PLAN SUMMARY

# 5-Year CIP Summary

| Fiscal Year | Major | Minor | $140,521,000 |
|---|---|---|---|
| 2026/2027 | $4,350,000 | $14,194,000 | $18,544,000 |
| Rancho | $1,750,000 | $6,535,000 | $8,285,000 |
| Santa Rosa | $0 | $3,536,500 | $3,536,500 |
| Resource | $2,150,000 | $3,834,500 | $5,984,500 |
| Wastewater | $450,000 | $288,000 | $738,000 |
| 2027/2028 | $25,250,000 | $18,291,500 | $43,541,500 |
| Rancho | $10,000,000 | $10,172,500 | $20,172,500 |
| Santa Rosa | $550,000 | $5,617,500 | $6,167,500 |
| Resource | $14,700,000 | $1,667,500 | $16,367,500 |
| Wastewater | $0 | $834,000 | $834,000 |
| 2028/2029 | $21,673,000 | $17,495,000 | $39,168,000 |
| Rancho | $9,450,000 | $9,712,500 | $19,162,500 |
| Santa Rosa | $3,250,000 | $5,342,500 | $8,592,500 |
| Resource | $8,604,000 | $2,190,000 | $10,794,000 |
| Wastewater | $369,000 | $250,000 | $619,000 |
| 2029/2030 | $6,055,000 | $17,092,500 | $23,147,500 |
| Rancho | $2,630,000 | $9,587,500 | $12,217,500 |
| Santa Rosa | $0 | $5,197,500 | $5,197,500 |
| Resource | $3,200,000 | $2,057,500 | $5,257,500 |
| Wastewater | $225,000 | $250,000 | $475,000 |
| 2030/2031 | $11,000,000 | $5,120,000 | $16,120,000 |
| Rancho | $0 | $4,000,000 | $4,000,000 |
| Santa Rosa | $0 | $1,000,000 | $1,000,000 |
| Resource | $11,000,000 | $120,000 | $11,120,000 |
| Wastewater | $0 | $0 | $0 |

# APPENDIX B

## 5-YEAR

## MAJOR CAPITAL PROJECT LIST

| Major Capital - FY 26-27 | | | $4,350,000 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | $1,750,000 | | | $1,750,000 | $0 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| 1380-1550 PZ Conversion Pipeline (Design only) | Distribution System | New Construction | $1,500,000 | OEI | 1.50 | $1,500,000 | $0 | $0 | 2026-E01 |
| Well No. 240 Discharge Pipeline Relocations (Design) | Wells | Repairs/Modification | $100,000 | R&R | 2.27 | $100,000 | $0 | $0 | 2026-E09 |
| Del Rey Road Pipeline Replacement - Inhouse Design and Construction | Distribution System | Expansion/Relocation | $150,000 | R&R | | $150,000 | $0 | $0 | 2026-E08 |
| **Santa Rosa** | | | $0 | | | $0 | $0 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| **Resource** | | | $2,150,000 | | | $1,075,000 | $1,075,000 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Headquarters - Roof Repair | Facilities/Fleet | Repairs/Modification | $900,000 | R&R | | $450,000 | $450,000 | $0 | 2026-E02 |
| Well No. 113 - Replacement (Feasibility) | Wells | Replacement | $500,000 | WR | 2.27 | $250,000 | $250,000 | $0 | 2026-E03 |
| Water Facilities Master Plan Update | Common Water Facilities | Planning | $400,000 | FP | 1.29 | $200,000 | $200,000 | $0 | 2026-E04 |
| Well No. 123 - Replacement (Feasibility) | Wells | Replacement | $350,000 | WR | 2.27 | $175,000 | $175,000 | $0 | 2026-E05 |
| **Wastewater** | | | $450,000 | | | $0 | $0 | $450,000 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Sewer Facilities Master Plan Update | Collection System | Planning | $250,000 | FP | 3.93 | $0 | $0 | $250,000 | 2026-E06 |
| Winchester Park Lift Station and Force main Abandonment | Collection System | Repairs/Modification | $200,000 | R&R | 3.55 | $0 | $0 | $200,000 | 2026-E07 |

| Major Capital - FY 27-28 | | | $25,250,000 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | **$10,000,000** | | | **$10,000,000** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| 1380-1550 PZ Conversion Pipeline (Construction only) | Distribution System | New Construction | $10,000,000 | OEI | 4.20 | $10,000,000 | $0 | $0 | 2027-F01 |
| **Santa Rosa** | | | **$550,000** | | | **$0** | **$550,000** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Baldaray PS (Design Only) - Expansion/Relocation | Pump Stations | Expansion/Relocation | $550,000 | OEI | 3.84 | $0 | $550,000 | $0 | 2027-F06 |
| **Resource** | | | **$14,700,000** | | | **$8,050,000** | **$6,650,000** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Well No. 123 Well Construction | Wells | Replacement | $5,000,000 | WR | 2.27 | $2,500,000 | $2,500,000 | $0 | 2027-F02 |
| Recycled Water Storage Pond Improvements (Construction) | Common Recycled Water Facilities | Repairs/Modification | $3,500,000 | R&R | 2.80 | $2,450,000 | $1,050,000 | $0 | 2027-F03 |
| Clean Fleet Rules Compliance Improvements | Facilities/Fleet | New Construction | $3,200,000 | REG | 4.09 | $1,600,000 | $1,600,000 | $0 | 2027-F04 |
| W130, W131, and W177 Common Treatment Improvement - Construction | Wells | New Construction | $3,000,000 | OEI | 2.26 | $1,500,000 | $1,500,000 | $0 | 2027-F05 |
| **Wastewater** | | | **$0** | | | **$0** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |

| Major Capital - FY 28-29 | | | $21,673,000 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | $9,450,000 | | | $9,450,000 | $0 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Redhawk Parkway Recycled Water (Construction) | Distribution System | Repairs/Modification | $5,000,000 | R&R | 3.28 | $5,000,000 | $0 | $0 | |
| Well No. 240 - Wellhead Treatment Facilities (Construction only) | Wells | New Construction | $4,450,000 | REG | 2.27 | $4,450,000 | $0 | $0 | |
| **Santa Rosa** | | | $3,250,000 | | | $0 | $3,250,000 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Baldaray Pump Station (Construction) | Pump Stations | Expansion/Relocation | $2,500,000 | OEI | 3.84 | $0 | $2,500,000 | $0 | |
| Emergency Interconnection with Fallbrook Public Utilities District | Common Water Facilities | New Construction | $750,000 | OEI | | $0 | $750,000 | $0 | |
| **Resource** | | | $8,604,000 | | | $4,302,000 | $4,302,000 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Well No. 113 (Construction) - Replacement | Wells | Replacement | $5,000,000 | WR | 2.27 | $2,500,000 | $2,500,000 | $0 | |
| Utility Billing & Customer Information System Upgrade | Common Enterprise Systems | Replacement | $3,604,000 | OEI | 4.26 | $1,802,000 | $1,802,000 | $0 | |
| **Wastewater** | | | $369,000 | | | $0 | $0 | $369,000 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Fiscal Year 2028/2029 Sewer Video Survey and Condition Assessment | Collection System | Planning | $225,000 | FP | 3.59 | $0 | $0 | $225,000 | |
| Utility Billing & Customer Information System Upgrade | Common Enterprise Systems | Replacement | $144,000 | OEI | 4.26 | $0 | $0 | $144,000 | |

| Major Capital - FY 29-30 | | | $6,055,000 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | **$2,630,000** | | | **$2,630,000** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Buck Mesa No. 3 (1610 PZ) & I/O TM (Design Only) | Reservoirs | New Construction | $1,680,000 | ND | 4.20 | $1,680,000 | $0 | $0 | |
| 1381 Storage Expansion Project (Design) - Recycled Facilities | Common Recycled Water Facilities | New Construction | $950,000 | ND | 4.53 | $950,000 | $0 | $0 | |
| **Santa Rosa** | | | **$0** | | | **$0** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| **Resource** | | | **$3,200,000** | | | **$1,600,000** | **$1,600,000** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Vineyards Reservoir Pipeline (Construction) | Distribution System | New Construction | $3,200,000 | ND | 4.62 | $1,600,000 | $1,600,000 | $0 | |
| **Wastewater** | | | **$225,000** | | | **$0** | **$0** | **$225,000** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Fiscal Year 2029/2030 Sewer Video Survey and Condition Assessment | Collection System | Planning | $225,000 | FP | 3.22 | $0 | $0 | $225,000 | |

| Major Capital - FY 30-31 | | | $11,000,000 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rancho | | | $0 | | | $0 | $0 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Santa Rosa | | | $0 | | | $0 | $0 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Resource | | | $11,000,000 | | | $5,500,000 | $5,500,000 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |
| Vineyards Reservoir (1305 PZ) (Construction) | Reservoirs | New Construction | $11,000,000 | ND | 4.62 | $5,500,000 | $5,500,000 | $0 | |
| Wastewater | | | $0 | | | $0 | $0 | $0 | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | Priority | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Data Sheet No. |

# APPENDIX C

## 5-YEAR

## MINOR CAPITAL PROJECT LIST

# Minor Capital - FY 26-27

| | | | $14,194,000 | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | **$6,535,000** | | **$6,535,000** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Valve and Appurtenance Replacement | Distribution System | Replacement | $2,050,000 | R&R | $2,050,000 | $0 | $0 | Data Sheet 2026-04 |
| Pipeline Replacement Program - Design | Distribution System | | $1,000,000 | OEI | $1,000,000 | $0 | $0 | |
| Rancho Division well Rehabilitations | Wells | | $950,000 | OEI | $950,000 | $0 | $0 | |
| COT Murrieta Creek Bridge at Overland Drive - Pipeline and Appurtenance Relocation's (Construction) | Distribution System | Repairs/Modification | $500,000 | R&R | $500,000 | $0 | $0 | |
| Rancho Division pump replacements | Pump Stations | | $500,000 | R&R | $500,000 | $0 | $0 | |
| Misc. Unknown Relocations - Facility Relocation's | Miscellaneous | Repairs/Modification | $280,000 | REG | $280,000 | $0 | $0 | City/County required facility relocation projects, to be determined |
| Meadowview Pump Station Abandonment | Pump Stations | Repairs/Modification | $200,000 | R&R | $200,000 | $0 | $0 | |
| Electrical - Replace Main Circuit Breakers - Replace 1 Site TBD | Wells | Repairs/Modification | $170,000 | R&R | $170,000 | $0 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| Butterfield Stage pump station surge tank automation | Wells | Repairs/Modification | $155,000 | R&R | $155,000 | $0 | $0 | |
| Asphalt 300 Acres Road for providing Alternative Ingress/Egress to District HQ | Facilities/Fleet | New Construction | $150,000 | ND | $150,000 | $0 | $0 | |
| Mechanical - Replace System Meters - 2 units at sites TBD | Pump Stations | Repairs/Modification | $100,000 | R&R | $100,000 | $0 | $0 | Replace existing meter w/magmeter for improved efficiency & less maint. |
| Structural - Buildings for Site security | Wells | Repairs/Modification | $100,000 | WR | $100,000 | $0 | $0 | Construction of 15' x 20' Buildings for Site Security |
| Miscellaneous - PRS Relief Valve Limit Switch Installation multiple locations | Miscellaneous | Repairs/Modification | $92,500 | R&R | $92,500 | $0 | $0 | Replacement/installation relief valve limit switch |
| Replace Production Meters Locations TBD | Pump Stations | Replacement | $80,000 | R&R | $80,000 | $0 | $0 | Replace (small) McCrometer production meter. |
| Air Vac Replacement (Rancho) | Distribution System | Repairs/Modification | $75,000 | R&R | $75,000 | $0 | $0 | |
| SCADA Radios | Miscellaneous | Replacement | $65,000 | R&R | $65,000 | $0 | $0 | |
| De Portola pump station surge tank automation | Pump Stations | Repairs/Modification | $50,000 | R&R | $50,000 | $0 | $0 | |
| Electrical - Replace Main Circuit Breakers - Replace 1 Site TBD | Pump Stations | Repairs/Modification | $17,500 | R&R | $17,500 | $0 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Santa Rosa** | | | **$3,536,500** | | **$0** | **$3,536,500** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Valve and Appurtenance Replacement | Distribution System | Replacement | $1,320,000 | R&R | $0 | $1,320,000 | $0 | Data Sheet 2026-04 |
| Santa Rosa pump stations pump replacement | Pump Stations | | $800,000 | R&R | $0 | $800,000 | $0 | |
| Pipeline Replacement Program - Design | Distribution System | | $250,000 | OEI | $0 | $250,000 | $0 | |
| Ace Bowen pump station Waukesha gas engine exhaust replacement | Pump Stations | | $220,000 | R&R | $0 | $220,000 | $0 | |
| Bear Creek Pump Station Surge Tank Automation | Pump Stations | | $160,000 | OEI | $0 | $160,000 | $0 | |
| Mechanical - Replace Existing Pump/discharge Heads/Seals - 2 unit at site TBD | Pump Stations | Repairs/Modification | $150,000 | R&R | $0 | $150,000 | $0 | Replace worn impellers and shafts; replace stuffing box w/mechanical seals to |
| Mechanical - Replace System Meters - 2 units at sites TBD | Pump Stations | Repairs/Modification | $100,000 | R&R | $0 | $100,000 | $0 | Replace existing meter w/magmeter for improved efficiency & less maint. |
| Replace Production Meters Locations TBD | Pump Stations | Replacement | $100,000 | R&R | $0 | $100,000 | $0 | Replace (small) McCrometer production meter. |
| Miscellaneous - PRS Relief Valve Limit Switch Installation multiple locations | Miscellaneous | Repairs/Modification | $92,500 | R&R | $0 | $92,500 | $0 | Replacement/installation relief valve limit switch |
| De Portola Pump Station Surge Tank Automation | Pump Stations | | $90,000 | OEI | $0 | $90,000 | $0 | |
| Misc. Unknown Relocations - Facility Relocations | Miscellaneous | Expansion/Relocation | $80,000 | REG | $0 | $80,000 | $0 | City/County required facility relocation projects, to be determined |
| Air Vac Replacement (Santa Rosa) | Distribution System | Repairs/Modification | $75,000 | R&R | $0 | $75,000 | $0 | |
| SCADA Radios | Miscellaneous | Repairs/Modification | $65,000 | R&R | $0 | $65,000 | $0 | |
| Electrical - Replace Main Circuit Breakers - Replace 1 Site TBD | Pump Stations | Repairs/Modification | $17,500 | R&R | $0 | $17,500 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| Replace Production Meter Via Visa Grande PRS | Miscellaneous | Repairs/Modification | $16,500 | OEI | $0 | $16,500 | $0 | Improve meter efficiency and reduce maintenance. |

# Minor Capital - FY 26-27

| Resource | | | $3,834,500 | | $2,357,250 | $1,477,250 | $0 | |
|---|---|---|---|---|---|---|---|---|
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Resource Division Well rehabilitations | Wells | | $1,800,000 | OEI | $1,260,000 | $540,000 | $0 | |
| Structural - Buildings for Site security - Five sites TBD | Wells | New Construction | $400,000 | WR | $200,000 | $200,000 | $0 | Construction of 15' x 20' Buildings for Site Security |
| Cathodic Protection Monitoring and Corrosion Survey | Common Water Facilities | Repairs/Modification | $325,000 | FP | $162,500 | $162,500 | $0 | |
| Sundance Clean-Out Project | Miscellaneous | Repairs/Modification | $300,000 | OEI | $150,000 | $150,000 | $0 | |
| Mechanical - Replace/Rehab Existing Casing, Replace Pump & Motor - Five sites | Wells | Repairs/Modification | $300,000 | R&R | $150,000 | $150,000 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Common Recycled Water Facilities Corrective - Phase 2 Wet Weather Storage Facilities - MOV and Control Installation | Common Recycled Water Facilities | Repairs/Modification | $267,000 | OEI | $133,500 | $133,500 | $0 | Installation of Motorized Operating Valve for improved system automation. |
| Rancho Automated Measurement System (RAMS) | Wells | | $250,000 | OEI | $175,000 | $75,000 | $0 | |
| Pipeline Risk Modeling Using Artificial Intelligence | Distribution System | Planning | $100,000 | OEI | $70,000 | $30,000 | $0 | |
| Advise on Notice of Intent to Enroll in New Recycled Water Use Permit | Common Recycled Water Facilities | | $50,000 | REG | $35,000 | $15,000 | $0 | |
| Water Loss Audit | Common Water Facilities | Planning | $25,000 | REG | $12,500 | $12,500 | $0 | SB555 Water Audit Compliance |
| Electrical - Replace Main Circuit Breakers - Replace 1 Site TBD | Wells | Repairs/Modification | $17,500 | R&R | $8,750 | $8,750 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Wastewater** | | | **$288,000** | | **$0** | **$0** | **$288,000** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Misc. Unknown Locations Collections Overlay (RW Collections) | Collection System | Repairs/Modification | $200,000 | R&R | $0 | $0 | $200,000 | Refurbish manhole with composite cover and frame replacement |
| Sewer Manhole Repair | Collection System | Repairs/Modification | $50,000 | R&R | $0 | $0 | $50,000 | Refurbish manhole with composite cover and frame replacement |
| Diaz Flow Meter Replacement | Collection System | | $25,000 | R&R | $0 | $0 | $25,000 | |
| Artificial Intelligence Evaluation of Collection System | Collection System | Planning | $13,000 | OEI | $0 | $0 | $13,000 | |

# Minor Capital - FY 27-28

| | | | $18,291,500 | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | **$10,172,500** | | **$10,172,500** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Pipeline Replacement Program | Distribution System | | $4,000,000 | OEI | $4,000,000 | $0 | $0 | |
| Valve and Appurtenance Replacement | Distribution System | Replacement | $2,150,000 | R&R | $2,150,000 | $0 | $0 | |
| Reservoir Recoat & Rehabilitation Program - Rancho Reservoirs | Reservoirs | Repairs/Modification | $2,000,000 | R&R | $2,000,000 | $0 | $0 | Data Sheet 2026-02 |
| Customer Meter Replacement | Common Water Facilities | Replacement | $505,000 | R&R | $505,000 | $0 | $0 | |
| Meadowview Pump Station Abandonment (Construction) | Pump Stations | Repairs/Modification | $300,000 | R&R | $300,000 | $0 | $0 | |
| Structural - Buildings for Site security - Five sites TBD | Wells | Repairs/Modification | $300,000 | WR | $300,000 | $0 | $0 | Construction of 15' x 20' Buildings for Site Security |
| Misc. Unknown Relocations - Facility Relocations | Miscellaneous | Repairs/Modification | $280,000 | REG | $280,000 | $0 | $0 | City/County required facility relocation projects, to be determined |
| Mechanical - Replace/Rehab Existing Casing, Replace Pump & Motor - 1 site TBD | Wells | Repairs/Modification | $250,000 | R&R | $250,000 | $0 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Facility Relocations And Corrective Maintenance:Planned Relocations:Raise Pressure Reducing Stations:2 Units (Wolf Valley And Avenida Bravura) | Distribution System | Expansion/Relocation | $200,000 | REG | $200,000 | $0 | $0 | Raiseing PRS's to grade and relocating as needed. |
| Electrical - Replace Main Circuit Breakers - Replace 1 Site TBD | Wells | Repairs/Modification | $170,000 | R&R | $170,000 | $0 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| Electrical - Replace Main Circuit Breakers - Replace 1 Site TBD | Pump Stations | Repairs/Modification | $17,500 | R&R | $17,500 | $0 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Santa Rosa** | | | **$5,617,500** | | **$0** | **$5,617,500** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Reservoir Recoat and Rehabilitation Program - Santa Rosa Reservoirs | Reservoirs | Repairs/Modification | $2,000,000 | R&R | $0 | $2,000,000 | $0 | Data Sheet 2026-03 |
| Valve and Appurtenance Replacement | Distribution System | Replacement | $1,390,000 | R&R | $0 | $1,390,000 | $0 | |
| Pipeline Replacement Program | Distribution System | | $1,000,000 | OEI | $0 | $1,000,000 | $0 | |
| Customer Meter Replacement | Common Water Facilities | Replacement | $575,000 | R&R | $0 | $575,000 | $0 | |
| Mechanical - Replace/Rehab Existing Casing, Replace Pump & Motor - One site at TBD | Wells | Repairs/Modification | $250,000 | R&R | $0 | $250,000 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Facility Relocations And Corrective Maintenance:Planned Relocations:Raise Pressure Reducing Stations:2 Units (Sandia Creek And Paseo Chaparo) | Distribution System | Expansion/Relocation | $200,000 | REG | $0 | $200,000 | $0 | Raiseing PRS's to grade and relocating as needed. |
| Mechanical - Replace System Meters - 2 units at sites TBD | Pump Stations | Repairs/Modification | $100,000 | R&R | $0 | $100,000 | $0 | Replace existing meter w/magmeter for improved efficiency & less maint. |
| Misc. Unknown Relocations - Facility Relocations | Miscellaneous | Expansion/Relocation | $85,000 | REG | $0 | $85,000 | $0 | City/County required facility relocation projects, to be determined |
| Electrical - Replace Main Circuit Breakers - Replace 1 Site TBD | Pump Stations | Repairs/Modification | $17,500 | R&R | $0 | $17,500 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Resource** | | | **$1,667,500** | | **$853,750** | **$813,750** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Mechanical - Replace/Rehab Existing Casing, Replace Pump & Motor - Five sites | Wells | Repairs/Modification | $750,000 | R&R | $375,000 | $375,000 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Cathodic Protection Monitoring and Corrosion Survey | Common Water Facilities | Repairs/Modification | $575,000 | FP | $287,500 | $287,500 | $0 | |
| Structural - Buildings for Site security - Five sites TBD | Wells | Repairs/Modification | $200,000 | WR | $100,000 | $100,000 | $0 | Construction of 15' x 20' Buildings for Site Security |
| Risk Modeling of Pipelines Utilizing Artifical Intelligence | Distribution System | | $100,000 | OEI | $70,000 | $30,000 | $0 | |
| Water Loss Audit | Common Water Facilities | Planning | $25,000 | REG | $12,500 | $12,500 | $0 | SB555 Water Audit Compliance |
| Electrical - Replace Main Circuit Breakers - Replace 1 Site TBD | Wells | Repairs/Modification | $17,500 | R&R | $8,750 | $8,750 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Wastewater** | | | **$834,000** | | **$0** | **$0** | **$834,000** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Winchester Park Lift Station and Forcemain Abandonment (Construction) | Collection System | Repairs/Modification | $500,000 | R&R | $0 | $0 | $500,000 | |
| Misc. Unknown Locations Collections Overlay (RW Collections) | Collection System | Repairs/Modification | $200,000 | R&R | $0 | $0 | $200,000 | Refurbish manhole with composite cover and frame replacement |
| Artificial Intelligence Evaluation of Collection System | Collection System | | $84,000 | OEI | $0 | $0 | $84,000 | |
| Sewer Manhole Repair | Collection System | Repairs/Modification | $50,000 | R&R | $0 | $0 | $50,000 | Refurbish manhole with composite cover and frame replacement |

# Minor Capital - FY 28-29

| | | | $17,495,000 | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | **$9,712,500** | | **$9,712,500** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Pipeline Replacement Program | Distribution System | | $4,000,000 | OEI | $4,000,000 | $0 | $0 | |
| Valve and Appurtenance Replacement | Distribution System | Replacement | $2,250,000 | R&R | $2,250,000 | $0 | $0 | |
| Reservoir Recoat & Rehabilitation Program - Rancho Reservoirs | Reservoirs | Repairs/Modification | $2,000,000 | R&R | $2,000,000 | $0 | $0 | |
| Customer Meter Replacement | Common Water Facilities | Replacement | $450,000 | R&R | $450,000 | $0 | $0 | |
| Structural - Buildings for Site security - Five sites TBD | Wells | Repairs/Modification | $300,000 | WR | $300,000 | $0 | $0 | Construction of 15' x 20' Buildings for Site Security |
| Misc. Unknown Relocations - Facility Relocations | Miscellaneous | Repairs/Modification | $275,000 | REG | $275,000 | $0 | $0 | City/County required facility relocation projects, to be determined |
| Well Repairs/Modifications- Replace/Rehab Existing Casing, Replace Pump & Motor - 1 site TBD | Wells | Repairs/Modification | $250,000 | R&R | $250,000 | $0 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Well Repairs/Modifications - Replace Main Circuit Breakers - Replace 1 Site TBD | Wells | Repairs/Modification | $170,000 | R&R | $170,000 | $0 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| Pump Station Repairs/Modifications - Replace Main Circuit Breakers - Replace 1 Site TBD | Pump Stations | Repairs/Modification | $17,500 | R&R | $17,500 | $0 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Santa Rosa** | | | **$5,342,500** | | **$0** | **$5,342,500** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Reservoir Recoat and Rehabilitation Program - Santa Rosa Reservoirs | Reservoirs | Repairs/Modification | $2,000,000 | R&R | $0 | $2,000,000 | $0 | |
| Valve and Appurtenance Replacement | Distribution System | Replacement | $1,460,000 | R&R | $0 | $1,460,000 | $0 | |
| Pipeline Replacement Program | Distribution System | | $1,000,000 | OEI | $0 | $1,000,000 | $0 | |
| Customer Meter Replacement | Common Water Facilities | Replacement | $440,000 | R&R | $0 | $440,000 | $0 | |
| Well Repairs/Modifications - Replace/Rehab Existing Casing, Replace Pump & Motor - One site at TBD | Wells | Repairs/Modification | $250,000 | R&R | $0 | $250,000 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Pump Station Repairs/Modifications - Replace System Meters - 2 units at sites TBD | Pump Stations | Repairs/Modification | $100,000 | R&R | $0 | $100,000 | $0 | Replace existing meter w/magmeter for improved efficiency & less maint. |
| Misc. Unknown Relocations - Facility Relocations | Miscellaneous | Expansion/Relocation | $75,000 | REG | $0 | $75,000 | $0 | City/County required facility relocation projects, to be determined |
| Pump Station Repairs/Modifications - Replace Main Circuit Breakers - Replace 1 Site TBD | Pump Stations | Repairs/Modification | $17,500 | R&R | $0 | $17,500 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Resource** | | | **$2,190,000** | | **$1,177,000** | **$1,013,000** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Well Repairs/Modifications - Replace/Rehab Existing Casing, Replace Pump & Motor - Five sites | Wells | Repairs/Modification | $1,062,500 | R&R | $531,250 | $531,250 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Cathodic Protection Monitoring and Corrosion Survey | Common Water Facilities | Repairs/Modification | $375,000 | FP | $187,500 | $187,500 | $0 | |
| Phase 3 recycled storage ponds MOV's | Common Recycled Water Facilities | | $300,000 | OEI | $210,000 | $90,000 | $0 | |
| Structural - Buildings for Site security - Five sites TBD | Wells | Repairs/Modification | $300,000 | WR | $150,000 | $150,000 | $0 | Construction of 15' x 20' Buildings for Site Security |
| Risk Modeling of Pipelines Utilizing Artifical Intelligence | Distribution System | | $110,000 | OEI | $77,000 | $33,000 | $0 | |
| Water Loss Audit | Common Water Facilities | Planning | $25,000 | REG | $12,500 | $12,500 | $0 | SB555 Water Audit Compliance |
| Well Repairs/Modifications - Replace Main Circuit Breakers - Replace 1 Site TBD | Wells | Repairs/Modification | $17,500 | R&R | $8,750 | $8,750 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Wastewater** | | | **$250,000** | | **$0** | **$0** | **$250,000** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Misc. Unknown Locations Collections Overlay (RW Collections) | Collection System | Repairs/Modification | $200,000 | R&R | $0 | $0 | $200,000 | Refurbish manhole with composite cover and frame replacement |
| Sewer Manhole Repair | Collection System | Repairs/Modification | $50,000 | R&R | $0 | $0 | $50,000 | Refurbish manhole with composite cover and frame replacement |

# Minor Capital - FY 29-30

| | | | $17,092,500 | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | **$9,587,500** | | **$9,587,500** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Pipeline Replacement Program | Distribution System | | $4,000,000 | OEI | $4,000,000 | $0 | $0 | |
| Valve and Appurtenance Replacement | Distribution System | Replacement | $2,360,000 | R&R | $2,360,000 | $0 | $0 | |
| Reservoir Recoat & Rehabilitation Program - Rancho Reservoirs | Reservoirs | Repairs/Modification | $2,000,000 | R&R | $2,000,000 | $0 | $0 | |
| Misc. Unknown Relocations - Facility Relocations | Miscellaneous | Repairs/Modification | $300,000 | REG | $300,000 | $0 | $0 | City/County required facility relocation projects, to be determined |
| Well Repairs/Modifications- Replace/Rehab Existing Casing, Replace Pump & Motor - 1 site TBD | Wells | Repairs/Modification | $300,000 | R&R | $300,000 | $0 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Structural - Buildings for Site security - Five sites TBD | Wells | Repairs/Modification | $200,000 | WR | $200,000 | $0 | $0 | Construction of 15' x 20' Buildings for Site Security |
| Well Repairs/Modifications - Replace Main Circuit Breakers - Replace 1 Site TBD | Wells | Repairs/Modification | $170,000 | R&R | $170,000 | $0 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| Customer Meter Replacement | Common Water Facilities | Replacement | $150,000 | R&R | $150,000 | $0 | $0 | |
| Pump Station Repairs/Modifications - Replacing Existing Motors, 5 units at sites TBD | Pump Stations | Repairs/Modification | $90,000 | R&R | $90,000 | $0 | $0 | Restore Efficiency |
| Pump Station Repairs/Modifications - Replace Main Circuit Breakers - Replace 1 Site TBD | Pump Stations | Repairs/Modification | $17,500 | R&R | $17,500 | $0 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Santa Rosa** | | | **$5,197,500** | | **$0** | **$5,197,500** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Reservoir Recoat and Rehabilitation Program - Santa Rosa Reservoirs | Reservoirs | Repairs/Modification | $2,000,000 | R&R | $0 | $2,000,000 | $0 | |
| Valve and Appurtenance Replacement | Distribution System | Replacement | $1,530,000 | R&R | $0 | $1,530,000 | $0 | |
| Pipeline Replacement Program | Distribution System | | $1,000,000 | OEI | $0 | $1,000,000 | $0 | |
| Well Repairs/Modifications - Replace/Rehab Existing Casing, Replace Pump & Motor - One site at TBD | Wells | Repairs/Modification | $350,000 | R&R | $0 | $350,000 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Pump Station Repairs/Modifications - Replace System Meters - 2 units at sites TBD | Pump Stations | Repairs/Modification | $125,000 | R&R | $0 | $125,000 | $0 | Replace existing meter w/magmeter for improved efficiency & less maint. |
| Customer Meter Replacement | Common Water Facilities | Replacement | $100,000 | R&R | $0 | $100,000 | $0 | |
| Misc. Unknown Relocations - Facility Relocations | Miscellaneous | Expansion/Relocation | $75,000 | REG | $0 | $75,000 | $0 | City/County required facility relocation projects, to be determined |
| Pump Station Repairs/Modifications - Replace Main Circuit Breakers - Replace 1 Site TBD | Pump Stations | Repairs/Modification | $17,500 | R&R | $0 | $17,500 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Resource** | | | **$2,057,500** | | **$1,051,750** | **$1,005,750** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Well Repairs/Modifications - Replace/Rehab Existing Casing, Replace Pump & Motor - Five sites | Wells | Repairs/Modification | $1,200,000 | R&R | $600,000 | $600,000 | $0 | Replacement to restore motor and pump efficiency (includes column pipe, tube |
| Cathodic Protection Monitoring and Corrosion Survey | Distribution System | | $400,000 | FP | $200,000 | $200,000 | $0 | |
| Structural - Buildings for Site security - Five sites TBD | Wells | Repairs/Modification | $300,000 | WR | $150,000 | $150,000 | $0 | Construction of 15' x 20' Buildings for Site Security |
| Risk Modeling of Pipelines Utilizing Artifical Intelligence | Distribution System | | $115,000 | OEI | $80,500 | $34,500 | $0 | |
| Water Loss Audit | Common Water Facilities | Planning | $25,000 | REG | $12,500 | $12,500 | $0 | SB555 Water Audit Compliance |
| Well Repairs/Modifications - Replace Main Circuit Breakers - Replace 1 Site TBD | Wells | Repairs/Modification | $17,500 | R&R | $8,750 | $8,750 | $0 | Replacement with location TBD resulting from the planned maintenance main circuit breaker testing |
| **Wastewater** | | | **$250,000** | | **$0** | **$0** | **$250,000** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Misc. Unknown Locations Collections Overlay (RW Collections) | Collection System | Repairs/Modification | $200,000 | R&R | $0 | $0 | $200,000 | Refurbish manhole with composite cover and frame replacement |
| Sewer Manhole Repair | Collection System | Repairs/Modification | $50,000 | R&R | $0 | $0 | $50,000 | Refurbish manhole with composite cover and frame replacement |

# Minor Capital - FY 30-31

| | | | $5,120,000 | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Rancho** | | | **$4,000,000** | | **$4,000,000** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Pipeline Replacement Program | Distribution System | | $4,000,000 | OEI | $4,000,000 | $0 | $0 | |
| **Santa Rosa** | | | **$1,000,000** | | **$0** | **$1,000,000** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Pipeline Replacement Program | Distribution System | | $1,000,000 | OEI | $0 | $1,000,000 | $0 | |
| **Resource** | | | **$120,000** | | **$84,000** | **$36,000** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |
| Risk Modeling of Pipelines Utilizing Artifical Intelligence | Distribution System | | $120,000 | OEI | $84,000 | $36,000 | $0 | |
| **Wastewater** | | | **$0** | | **$0** | **$0** | **$0** | |
| Project Name | CIP Asset Class | Category | Est. Cost | Classification | RC DS/CI Fund | SR DS/CI Fund | WW Replacement | Description |

# APPENDIX D

# CAPITAL PROJECT FUNDING BREAKDOWN

# Capital Project Funding Breakdown

| Description | 26-27 | 27-28 | 28-29 | 29-30 | 30-31 | 5-Year Total |
|---|---|---|---|---|---|---|
| **Rancho Division** | | | | | | |
| Major | $2,475,000 | $15,600,000 | $13,752,000 | $3,280,000 | $5,500,000 | **$40,607,000** |
| Minor | $4,111,250 | $6,943,750 | $6,590,000 | $6,346,250 | $0 | **$23,991,250** |
| Tertiary | $168,500 | $2,450,000 | $210,000 | $950,000 | $0 | **$3,778,500** |
| Non-Capital Jobs | $4,962,500 | $4,082,500 | $4,089,500 | $4,293,000 | $4,084,000 | **$21,511,500** |
| **Rancho Divison Total** | **$11,717,250** | **$29,076,250** | **$24,641,500** | **$14,869,250** | **$9,584,000** | **$89,888,250** |
| **Santa Rosa Division** | | | | | | |
| Major | $875,000 | $6,150,000 | $6,802,000 | $1,600,000 | $5,500,000 | **$20,927,000** |
| Minor | $2,397,750 | $5,388,750 | $5,220,000 | $4,956,250 | $0 | **$17,962,750** |
| Tertiary | $148,500 | $1,050,000 | $90,000 | $0 | $0 | **$1,288,500** |
| Non-Capital Jobs | $2,667,500 | $1,042,500 | $1,795,500 | $1,247,000 | $1,036,000 | **$7,788,500** |
| **Santa Rosa Division Total** | **$6,088,750** | **$13,631,250** | **$13,907,500** | **$7,803,250** | **$6,536,000** | **$47,966,750** |
| **Wastewater Division** | | | | | | |
| Major | $200,000 | $0 | $144,000 | $0 | $0 | **$344,000** |
| Minor | $250,000 | $750,000 | $250,000 | $250,000 | $0 | **$1,500,000** |
| Non-Capital Jobs | $288,000 | $84,000 | $225,000 | $225,000 | $0 | **$822,000** |
| **Wastewater Total** | **$738,000** | **$834,000** | **$619,000** | **$475,000** | **$0** | **$2,666,000** |
| **5-Year Total** | **$18,544,000** | **$43,541,500** | **$39,168,000** | **$23,147,500** | **$16,120,000** | **$140,521,000** |

# APPENDIX E

## CAPITAL PROJECTS GROUPED BY CLASSIFICATION

# Capital Projects Grouped by Classification

| Classification | 26-27 | 27-28 | 28-29 | 29-30 | 30-31 | 5-Year Total |
|---|---|---|---|---|---|---|
| R&R | $8,937,500 | $14,742,500 | $15,735,000 | $10,677,500 | $0 | **$50,092,500** |
| OEI | $6,696,500 | $18,734,000 | $12,408,000 | $5,115,000 | $5,120,000 | **$48,073,500** |
| WR | $1,350,000 | $5,500,000 | $5,600,000 | $500,000 | $0 | **$12,950,000** |
| REG | $435,000 | $3,990,000 | $4,825,000 | $400,000 | $0 | **$9,650,000** |
| ND | $150,000 | $0 | $0 | $5,830,000 | $11,000,000 | **$16,980,000** |
| FP | $975,000 | $575,000 | $600,000 | $625,000 | $0 | **$2,775,000** |
| **Total** | **$18,544,000** | **$43,541,500** | **$39,168,000** | **$23,147,500** | **$16,120,000** | **$140,521,000** |

# APPENDIX F

## FISCAL YEAR 2026/2027

## MAJOR CAPITAL PROJECT INFORMATION

**Project Name** 1380-1550 PZ Conversion Pipeline (Feasibility/Design)

| | |
|---|---|
| Data Sheet No. | 2026-F01 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $1,500,000 |

| Funding Division: Rancho | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $1,500,000 | $0 | $0 |



## Project Information

### Project Background

This project was recommended as a pipeline improvement Capital Improvement Project (CIP) in the Rancho California Water District (Rancho Water) Water Facilities Master Plan dated December 2015. This project is scheduled to go into design in July 2026.

### Project Description

This project includes installing a 16-inch PVC water main extension approximately 14,200 feet in length. The alignment runs from the intersection of State Highway 79 South and Anza Road, continues southeast along State Highway 79 to Maggie Weed Lane, then follows Maggie Weed Lane northeast to Los Corralitos Road. From there, it extends east along Los Corralitos Road to Pauba Road, and finally proceeds south along Pauba Road back to State Highway 79 South. The project enhances system connectivity and improves water distribution reliability in the area.

### Project Justification

This project is necessary in order to convert the most southeasterly 173.3 acres of Rancho Water's 1380 Pressure Zone (Potable) to Rancho Water's 1550 Pressure Zone (Potable). The conversion is necessary to mitigate low water pressure availability in the vicinity from the 1380 Pressure Zone.

## Financial and Compliance Factors

### CEQA

Rancho Water expects no significant environmental impacts and will file a Negative Declaration with county and state agencies.

### Operational Cost Impacts

Rancho Warter will assume higher operational expenses from maintaining the new 16-inch PVC water main extension.

### Estimated Avoided Costs

This project avoids costs by eliminating a low-pressure 1380 Zone extension and its ongoing maintenance.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| Pipeline | 50 |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

Rancho Water
WORKING FOR OUR COMMUNITY

**Project Name** Headquarters - Roof Repair

| | |
|---|---|
| Data Sheet No. | 2026-F02 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $900,000 |

| Funding Division: Resource | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $450,000 | $450,000 | $0 |



# Project Information

## Project Background

The headquarters roof was installed during original facility construction and has experienced deterioration due to age and exposure to environmental conditions. Periodic patching has been performed but is no longer sufficient to prevent water intrusion.

## Project Description

This project includes the repair and rehabilitation of the existing headquarters building roof including removal of deteriorated roofing materials, installation of new waterproof membrane, flashing, and drainage improvements. Work will address leaks and extend the useful life of the facility while protecting the administrative staff and equipment housed within the structure.

## Project Justification

The existing roof has reached the end of its service life and has experienced recurring leaks during storm events. Repairing the roof will prevent further deterioration of the building structure and protect critical equipment. The project is a health and safety issue to avoid having to mitigate mold and interior damage to the building.

# Financial and Compliance Factors

## CEQA

Categorically Exempt

## Operational Cost Impacts

No new operational costs since it replaces existing facilities.

## Estimated Avoided Costs

This project mitigates unspecified and unknown damages that could occur if leaks were to continue.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| Roof | 20 |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

**Project Name** Well No. 113 - Replacement (Feasibility)

| | |
|---|---|
| Data Sheet No. | 2026-F03 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $500,000 |

| Funding Division: Resource | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $250,000 | $250,000 | $0 |



# Project Information

## Project Background

Well No. 113, built in 1983, has shown declining performance over its life despite multiple repairs. Originally producing up to 612 gpm, the well experienced significant equipment failures in 2000 and valve and structural repairs in 2012. By 2014, it could no longer overcome system pressure and was taken offline. Redevelopment revealed holes in the casing and missing louvers, indicating structural failure. Although re-equipped with a new pump and motor designed for 400 gpm, video inspections showed continued casing deterioration, limiting the well's long-term reliability.

## Project Description

This project includes the replacement of well casing, motor, pump, MCC and other appurtenances to be determined during the feasibility study.

## Project Justification

Well No. 113 is the District's only active production well in the Palomar Hydrologic Sub-unit, with a 300 acre-foot annual production budget in FY 2021/2022. The well's casing is failing and significant renewal or full replacement is required, potentially needing additional land. Replacing the well will maintain groundwater capacity, support basin resiliency, and sustain native yield. Continued production reduces reliance on costly Metropolitan Water District of Southern California (MWD) imports, where untreated water is $984/AF and treated water $1,528/AF, providing savings of up to roughly $1,408/AF through local extraction.

# Financial and Compliance Factors

## CEQA

District will need to prepare an Initial Study, after which a Mitigated Negative Declaration will be prepared, adopted, and filed with the County Clerk.

## Operational Cost Impacts

Proposed expenditure for Design Only is $500,000. Increased staff time and well construction costs.

## Estimated Avoided Costs

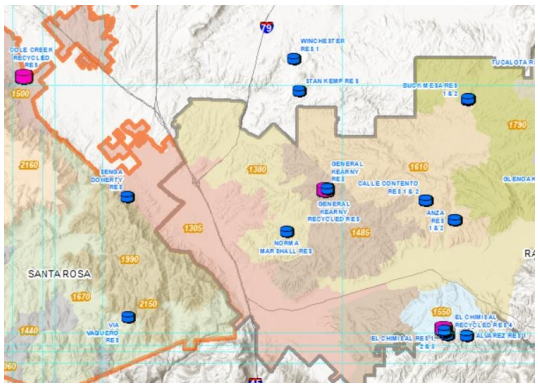
Savings from using native groundwater instead of costly MWD-treated supplies, along with potential state grants, CWSRF loan options, bond financing, and drought-stage penalty revenues, may help fund the project and reduce long-term imported water dependence.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| Well Casing | 50 |
| Pump | 17 |
| MCC | 15 |
| NA | NA |
| NA | NA |

**Project Name** Water Facilities Master Plan Update

| | |
|---|---|
| Data Sheet No. | 2026-F04 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $400,000 |

| Funding Division: Resource | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $200,000 | $200,000 | $0 |




# Project Information

## Project Background

The WFMPs are completed once every 10 years with the intent to evaluate current and future capacity needs through the build-out and identification of projects required to ensure capacity in each time increment. Each plan will develop a list of CIP projects, triggered by specific development thresholds, to guarantee the necessary capacity in the system.

## Project Description

The purpose of the Water Facilities Master Plan (WFMP) Update is to utilize recent Water Demand Projections to update the potable and recycled water hydraulic models, in order to recommend necessary infrastructure improvements. Estimated costs for capital improvements will be included in a phased and prioritized Capital Improvement Program (CIP).

## Project Justification

As an agency in charge of providing water, and reclamation service within its jurisdiction, the District periodically reviews and updates its Master Plan for providing services to existing and future customers. This WFMP was last updated in 2016.

This WFMP will identify projected growth and provide clear recommendations for proposed facilities. As part of this master plan effort, the District will complete the following major tasks:

# Financial and Compliance Factors

## CEQA

NA

## Operational Cost Impacts

NA

## Estimated Avoided Costs

NA

| Useful Life | |
|---|---|
| Appurtenance | Years |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

**Project Name** Well No. 123 - Replacement (Feasibility)

| | |
|---|---|
| Data Sheet No. | 2026-F05 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $350,000 |

| Funding Division: Resource | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $175,000 | $175,000 | $0 |



# Project Information

## Project Background

Rancho Water's groundwater supply is limited by natural basin yield and artificial recharge at the VDC basins. Well No. 123, constructed in 1986 with a design capacity of 2,500 gpm, has historically underperformed and was taken offline in 2016 due to poor water quality and low production. After rehabilitation and backfilling in 2022, it now produces about 230 gpm, far below nearby wells. Its replacement is warranted to maintain sustainable native yield in the Pauba Valley Subunit and reduce reliance on costly imported water from Metropolitan Water District of Southern California (MWD), which can cost up to $1,528 per acre-foot.

## Project Description

This project includes the replacement of well casing, motor, pump, MCC and other appurtenances to be determined during the feasibility study.

## Project Justification

Well No. 123 has consistently produced below its design capacity of 2,500 gallons per minute (gpm). Production has been limited by water quality issues and the well was taken offline in 2016. Subsequent testing and rehabilitation have been unable to restore full production and the well is currently pumping at less than 250 gpm (just 10 percent of design capacity). Replacing Well No. 123 provides a sustainable supply to the District and ensures future capacity and resiliency for the groundwater basin.

# Financial and Compliance Factors

## CEQA

The District will need to prepare an Initial Study, after which a Mitigated Negative Declaration will be prepared, adopted, and filed with the County Clerk, per Rancho Water's Local California Environmental Quality Act (CEQA) Guidelines.

## Operational Cost Impacts

Proposed expenditure for Design Only is $350,000. Increased staff time and well construction costs.

## Estimated Avoided Costs

Extracting native groundwater can save up to $1,408 per acre-foot compared to MWD-treated water. Funding may come from state grants, CWSRF loans, bond financing, and drought-stage penalty revenues to help support project costs.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| Well Casing | 50 |
| Pump | 17 |
| MCC | 15 |
| NA | NA |
| NA | NA |

**Project Name** Sewer Facilities Master Plan Update

| | |
|---|---|
| Data Sheet No. | 2026-F06 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $250,000 |

| Funding Division: Wastewater | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $0 | $0 | $250,000 |




# Project Information

## Project Background

The SFMPs are completed once every 10 years with the intent to evaluate current and future capacity needs through the build-out and identification of projects required to ensure capacity in each time increment. Each plan will develop a list of CIP projects, triggered by specific development thresholds, to guarantee the necessary capacity in the system.

## Project Description

The purpose of the Rancho California Water District's (Rancho Water/District) Sewer Facilities Master Plan (SFMP) update is to include existing and projected wastewater flows, an updated sewer system hydraulic model, as well as recommended system capital improvements and proposed facility cost estimates.

## Project Justification

Rancho Water completed a SFMP in 2016. The purpose of this SFMP is to develop current and projected wastewater flows, and to recommend system capital improvements and proposed facility cost estimates.

# Financial and Compliance Factors

## CEQA

NA

## Operational Cost Impacts

NA

## Estimated Avoided Costs

NA

## Useful Life

| Appurtenance | Years |
|---|---|
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

**Project Name** Winchester Park Lift Station and Force main Abandonment

| | |
|---|---|
| Data Sheet No. | 2026-F07 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $200,000 |

| Funding Division: Wastewater | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $0 | $0 | $200,000 |




## Project Information

### Project Background

The Winchester Park Lift Station was originally used to pump wastewater via a force main to the Santa Rosa Water Reclamation Facility (SRWRF). As part of the agreement between Rancho California Water District and Eastern Municipal Water District, flows that previously entered the Lift Station were permanently diverted to EMWD's gravity sewer system. An equal amount of flow was also diverted from EMWD's system to SRWRF at the Adams Avenue Diversion structure.

### Project Description

This project includes the abandonment and decommisioning of Winchester Park Lift Station and force main.

### Project Justification

In April 2021, the lift station was taken offline. All the flows were sent to EMWD as part of the Sewer Flow Exchange Interagency Agreement.

## Financial and Compliance Factors

### CEQA

Negative Declaration

### Operational Cost Impacts

N/A

### Estimated Avoided Costs

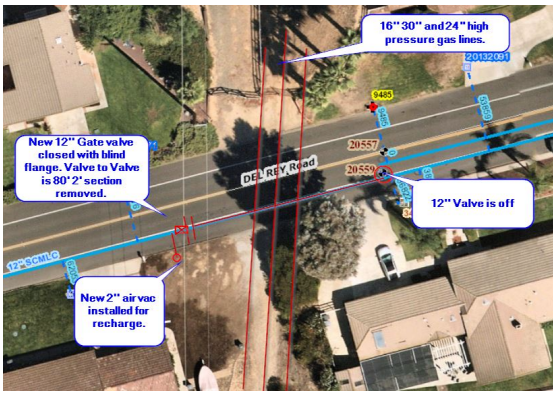
Currently groundwater infiltration causes the pumps to kick on pushing that water to the treatment plant. The permanent decommission will remove the cost to power and operate the pump.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

**Project Name** Del Rey Road Pipeline Replacement (In-house Design and Construction)

| | |
|---|---|
| Data Sheet No. | 2026-F08 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $150,000 |

| Funding Division: Rancho | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $150,000 | $0 | $0 |




## Project Information

### Project Background

The pipeline on Del Rey Road was put into service in 1969. In 2021, Rancho Water Construction Crews responded to a leak on a 12-inch CMLC portion of the pipeline. It was determined that the leak was on a portion of the pipe that siphoned below a 30-inch gas line and the decision was made that the siphon could be abandoned in place until an engineering solution could be determined.

### Project Description

This project includes an 80-foot section of 12-inch CMLC that needs to be replaced from valve to valve.

### Project Justification

A leak on existing 12-inch CMLC on Del Rey Road at the location where 12-inch CMLC siphons under three high pressure gas lines, 16-inch, a 30-inch, and 24-inch; the leak is under the 30-inch gas line. 12-inch gate valve on Del Rey Road was shut off to the east and a new 12-inch gate valve with blind flange was installed to the west.

## Financial and Compliance Factors

### CEQA

Categorically Exempt

### Operational Cost Impacts

Operationally, during future leak events the pipeline will be significantly easier to maintain.

### Estimated Avoided Costs

Estimated avoided costs would be related to the risk mitigated that is associated with being underneath a 30-inch gas line.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| Pipe Line | 50 Years |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

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**Project Name** Well No. 240 Discharge Pipeline Relocations (Design)

| | |
|---|---|
| Data Sheet No. | 2026-F09 |
| Fiscal Year | 2026/2027 |
| Funding Amount | $100,000 |

| Funding Division: Rancho | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $100,000 | $0 | $0 |



# Project Information

## Project Background

The pipeline is a relocation from the existing pipeline located in the creek.

## Project Description

This project includes a pipeline replacement.

## Project Justification

The existing pipeline was exposed due to riverbed scour and required emergency repair. This project relocates the pipeline out of the creek.

# Financial and Compliance Factors

## CEQA

Categorically Exempt

## Operational Cost Impacts

No new operational costs since it replaces existing facilities.

## Estimated Avoided Costs

Emergency repair of existing pipeline cost $148,000 in 2022. It is anticipated that this will be a reoccurring problem until the pipeline is relocated out of the creek.

## Useful Life

| Appurtenance | Years |
|---|---|
| CMLC Pipe | 75 |
| Hydrant | 50 |
| Butterfly Valve | 30 |
| Air Vac | 15 |
| NA | NA |

# APPENDIX G

## FISCAL YEAR 2027/2028

## MAJOR CAPITAL PROJECT INFORMATION

**Project Name** 1380-1550 PZ Conversion Pipeline (Construction)

| | |
|---|---|
| Data Sheet No. | 2027-G01 |
| Fiscal Year | 2027/2028 |
| Funding Amount | $10,000,000 |

| Funding Division: Rancho | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $10,000,000 | $0 | $0 |



# Project Information

## Project Background

This project was recommended as a pipeline improvement Capital Improvement Project (CIP) in the Rancho California Water District (Rancho Water) Water Facilities Master Plan dated December 2015.

## Project Description

This project involves installing a 16-inch PVC water main extension totaling approximately 14,200 feet. The alignment begins at the intersection of State Highway 79 South and Anza Road, continuing southeast along Highway 79 to Maggie Weed Lane. It then proceeds northeast on Maggie Weed Lane to Los Corralitos Road, turns east along Los Corralitos Road to Pauba Road, and then extends south on Pauba Road back to Highway 79. This new pipeline segment will improve system connectivity, enhance water distribution reliability, and support long-term infrastructure needs in the surrounding service area.

## Project Justification

This project is necessary in order to convert the most southeasterly 173.3 acres of Rancho Water's 1380 Pressure Zone (Potable) to Rancho Water's 1550 Pressure Zone (Potable). The conversion is necessary to mitigate low water pressure availability in the vicinity from the 1380 Pressure Zone.

# Financial and Compliance Factors

## CEQA

RCWD expects no significant environmental impacts and will file a Negative Declaration with county and state agencies.

## Operational Cost Impacts

Rancho Water will assume higher operational expenses from maintaining the new 16-inch PVC water main extension.

## Estimated Avoided Costs

This project avoids costs by eliminating a low-pressure 1380 Zone extension and its ongoing maintenance.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| Pipeline | 50 |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

**Project Name** Well No. 123 (Construction)

| | |
|---|---|
| Data Sheet No. | 2027-G02 |
| Fiscal Year | 2027/2028 |
| Funding Amount | $5,000,000 |

| Funding Division: Resource | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $2,500,000 | $2,500,000 | $0 |



## Project Information

### Project Background

Rancho Water's groundwater supply is limited by natural basin yield and artificial recharge at the VDC basins. Well No. 123, constructed in 1986 with a design capacity of 2,500 gpm, has historically underperformed and was taken offline in 2016 due to poor water quality and low production. After rehabilitation and backfilling in 2022, it now produces about 230 gpm, far below nearby wells. Its replacement is warranted to maintain sustainable native yield in the Pauba Valley Subunit and reduce reliance on costly imported water from Metropolitan Water District of Southern California (MWD), which can cost up to $1,528 per acre-foot.

### Project Description

This project includes the replacement of well casing, motor, pump, MCC and other appurtenances to be determined during the feasibility study.

### Project Justification

Well No. 123 has consistently produced below its design capacity of 2,500 gallons per minute (gpm). Production has been limited by water quality issues and the well was taken offline in 2016. Subsequent testing and rehabilitation have been unable to restore full production and the well is currently pumping at less than 250 gpm (just 10 percent of design capacity). Replacing Well No. 123 provides a sustainable supply to the District and ensures future capacity and resiliency for the groundwater basin.

## Financial and Compliance Factors

### CEQA

Construction is expected to comply with a Mitigated Negative Delaraction per CEQA and Rancho's guidelines

### Operational Cost Impacts

Proposed expenditure for Construction is currently $5 million. Costs will become more transparent after feasibility study is complete. Maintenance is expected to be similar to what is already being done to maintaine the current well.

### Estimated Avoided Costs

Extracting sustainable native water produces a savings as high as approximately $1408/AF offset compared to MWD-treated purchases. Funding sources

| Useful Life | |
|---|---|
| Appurtenance | Years |
| Well Casing | 50 |
| Pump | 17 |
| MCC | 15 |
| NA | NA |
| NA | NA |

**Project Name** Recycled Water Storage Pond Improvements (Construction)

| | |
|---|---|
| Data Sheet No. | 2027-G03 |
| Fiscal Year | 2027/2028 |
| Funding Amount | $3,500,000 |

| Funding Division: Resource | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $2,450,000 | $1,050,000 | $0 |




# Project Information

## Project Background

Pond 1/2, the District's largest recycled water storage pond at the Date Street site, spans over 38 acres with a 499-acre-foot capacity. Originally two unlined ponds built in 1993, they were combined and lined in 1998, with slope stabilization added to address groundwater pressure. The liner was replaced again in 2019. The District now plans to hire a consultant to evaluate slope instability and bubble formation and recommend mitigation measures. Funding requested for FY 2024/2025 will support implementation of improvements identified in the FY 2022/2023 Liner Subgrade Study.

## Project Description

This project will implement the recommendations of the Rancho California Water District's (Rancho Water/District) Pond 1/2 Liner Subgrade Study. The study will evaluate and develop alternatives to address the existing subgrade conditions contributing to localized slope failure and formation of gas bubbles beneath the liner at Pond 1/2.

## Project Justification

Recycled Water Storage Pond 1/2 provides essential seasonal storage, helping Rancho Water manage high summer recycled-water demand and lower winter usage. The pond is lined with a geomembrane to prevent percolation, but the liner can trap groundwater or gas generated beneath it. These pressures can stress the liner and cause failures. In 2020, staff observed gas bubbles, liner stress, and one tear caused by uplift, along with a depression on the northwest slope. The slope issue appears connected to earlier stabilization work intended to counter groundwater flow from the Santa Rosa Plateau.

# Financial and Compliance Factors

## CEQA

The Pond 1/2 Liner Subgrade Improvements is not considered a project, as defined by California Environmental Quality Act (CEQA) Guidelines, and an environmental review is not required for its adoption by the Board of Directors.

## Operational Cost Impacts

There are no additional operational costs as no additional staff is required for the Pond 1/2 Liner Subgrade Improvements.

## Estimated Avoided Costs

The estimated avoided costs would be related to the risk potential for water loss due to tears in the existing liner as well as the increase in storage capacity during maintenance times.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| RPP Liner | 20 |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

**Project Name** Clean Fleet Rules Compliance Improvements

| | |
|---|---|
| Data Sheet No. | 2027-G04 |
| Fiscal Year | 2027/2028 |
| Funding Amount | $3,200,000 |



| Funding Division: Resource | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $1,600,000 | $1,600,000 | $0 |

# Project Information

## Project Background

Rancho Water is required under California Air Resources Board (CARB) and Air Quality Management District (AQMD) regulations to transition part of its fleet to electric vehicles, necessitating expanded charging infrastructure. The District recently acquired six Silverado EV trucks and installed in-house chargers sufficient for current operations. However, the proposed procurement of 13 additional Silverado EVs in the next fiscal year will require new charging stations to support growing fleet needs. Continued EV adoption is expected in future years to maintain regulatory compliance, making further infrastructure expansion an essential component of long-term fleet planning.

## Project Description

This project consists of the installation of 30 EV charging stations as part of this program. The project will also include additional conduit and infrastructure to allow for future expansion as fleet electrification progresses.

## Project Justification

This project is needed in order to charge the District's new fleet vehicles.

# Financial and Compliance Factors

## CEQA

NA

## Operational Cost Impacts

The $3.1 million project cost may be significantly reduced through Edison's Charge Ready incentives and a potential AQMD grant, lowering expenses to about $650,000. Staff is refining scope, charger capacities, and materials to further reduce overall costs.

## Estimated Avoided Costs

Fines for being out of compliance and potential savings through grants and rebates of up to $2.45 Million.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| EV Chargers | 15 |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

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**Project Name** Well Nos. 130, 131, and 177 Common Treatment Improvement (Construction)

| | |
|---|---|
| Data Sheet No. | 2027-G05 |
| Fiscal Year | 2027/2028 |
| Funding Amount | $3,000,000 |

| Funding Division: Resource | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $1,500,000 | $1,500,000 | $0 |



## Project Information

### Project Background

The District's potable supply consists of imported water disinfected with chloramines and local groundwater disinfected with free chlorine. When these supplies mix in the distribution system, chloramine residual degradation occurs, resulting in reduced disinfectant levels and operational challenges. Converting well production to chloraminated supply will improve system stability and water quality within the 1305 Pressure Zone.

### Project Description

This project includes the construction of approximately 1.2 miles of 16-inch cement mortar lined and coated (CML&C) steel pipeline to convey groundwater from Wells 130, 131, and 177 to the chloramination facility at the Upper Valle De Los Caballos (Upper VDC) recharge basin. The project will allow approximately 3.7 MGD of well production to be chloraminated, improving disinfectant residual stability in the 1305 Pressure Zone.

### Project Justification

The District experiences difficulty maintaining disinfectant residuals in the Lower VDC area due to the intermixing of chlorinated groundwater with chloraminated imported water, which degrades chloramine residuals and leads to water quality issues. Conveying well production to an existing chloramination facility will resolve these operational challenges.

## Financial and Compliance Factors

### CEQA

Mitigated Negative Declaration

### Operational Cost Impacts

No increase in staff time is anticipated because the project eliminates the need to construct and operate a separate chloramination facility and instead utilizes an existing facility.

### Estimated Avoided Costs

Project mitigates unspecified costs to construct individual disinfection facilities for each well or a separate disinfection facility.

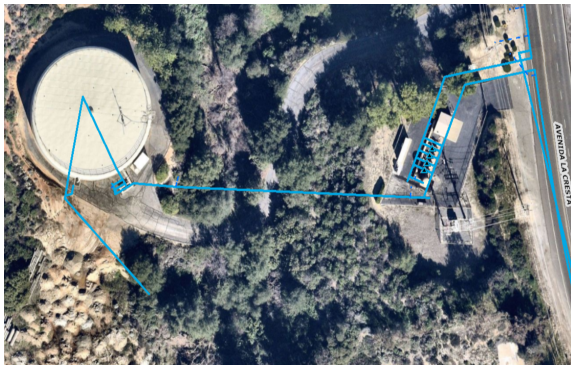
| Useful Life | |
|---|---|
| Appurtenance | Years |
| CML&C Steel Pipeline | 75 |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

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**Project Name** Baldaray Pump Station - Expansion/Relocation (Design)

| | |
|---|---|
| Data Sheet No. | 2027-G06 |
| Fiscal Year | 2027/2028 |
| Funding Amount | $550,000 |

| Funding Division: Santa Rosa | | |
|---|---|---|
| Rancho | Santa Rosa | Wastewater |
| $0 | $550,000 | $0 |



# Project Information

## Project Background

The project is required because of an apparent flaw in the design/construction of the pump station and associated reservoir when constructed in the early 1980s.

## Project Description

This project will consist of the expansion/relocation of the Baldaray Pump Station so that the pump suction cans are at least 16 feet beneath the centerline of the manifold on the associated reservoir. This will allow the pump station to meet the required Net Positive Suction Head (NPSH) while permitting the drawdown of the associated reservoir.

## Project Justification

The project is necessary to prevent premature pump station failures caused by inadequate net positive suction head, which can lead to cavitation and equipment damage. It also improves water quality within the reservoir by enabling greater drawdown and circulation. Additionally, the project ensures adequate reservoir capacity is maintained to meet required fire protection storage needs. Together, these improvements enhance operational reliability, system performance, and emergency readiness.

# Financial and Compliance Factors

## CEQA

Rancho Water is expected to determine that the proposed project will not have significant impacts on the environment and will file a “Negative Declaration” with the Riverside County Assessor – County Clerk – Recorder’s office along with the State of California Governor’s Office of Planning and Research (OPR) State Clearinghouse.

## Operational Cost Impacts

Rancho Water does not expect to absorb increased operational costs due to the pump station expansion/relocation.

## Estimated Avoided Costs

Costs to be avoided by the proposed pump station expansion/relocation project include those associated with premature failure of the pump station due to not meeting the required NPSH along with potential liability exposure from not meeting fire protection storage requirements.

| Useful Life | |
|---|---|
| Appurtenance | Years |
| Pump Station | 50 |
| NA | NA |
| NA | NA |
| NA | NA |
| NA | NA |

# APPENDIX H

## POTENTIAL FUTURE CAPITAL EXPENDITURES

## (NOT INCLUDED IN 5-YEAR CIP)

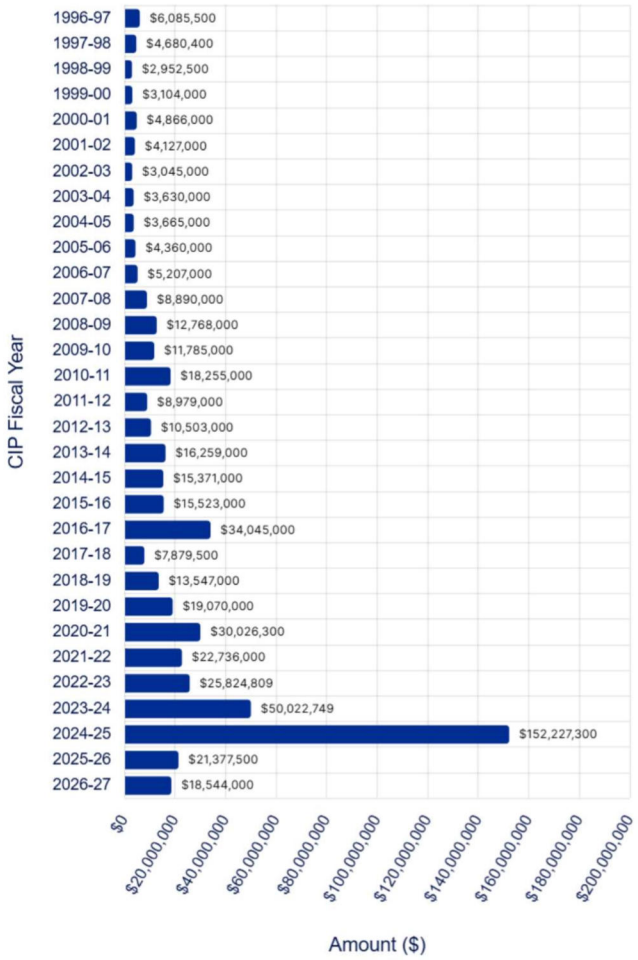
# Potential Future Capital Expenditures

| | Total | $108,225,000 |
|---|---|---|
| **Rancho** | | **$28,120,000** |
| Buck Mesa No. 3 (1610 PZ) & I/O TM (Construction Only) | Rancho | $7,725,000 |
| Ace Bowen No. 1 (2.7 MG) (Construction Only) | Rancho | $7,500,000 |
| 1381 Storage Expansion Project (Construction) | Rancho | $6,150,000 |
| Anza PS Expansion - Pump Station Construction | Rancho | $2,730,000 |
| Reservoir Recoat & Rehabilitation Program - Rancho Reservoirs | Rancho | $2,000,000 |
| Ace Bowen No. 1 (2.7 MG) (Design Only) | Rancho | $825,000 |
| Anza Pump Station Expansion (Design Only) | Rancho | $690,000 |
| 2600 PZ Hydropneumtic Facility - Pump Station construction | Rancho | $500,000 |
| **Santa Rosa** | | **$2,755,000** |
| Clinton Keith Road Pipeline Replacement - New Construction | Santa Rosa | $1,755,000 |
| Reservoir Recoat and Rehabilitation Program - Santa Rosa Reservoirs | Santa Rosa | $1,000,000 |
| **Resource** | | **$77,350,000** |
| Small Scale IPR - Construction | Resource | $70,000,000 |
| Small Scale IPR - Final Design | Resource | $4,200,000 |
| Small Scale IPR - Demonstration | Resource | $2,100,000 |
| Small Scale IPR - PDR | Resource | $550,000 |
| Warehouse Storage System | Resource | $500,000 |

# APPENDIX I

## HISTORICAL PROJECTS BUDGET SUMMARY

# Historical Projects Budget Summary




| CIP FY | Rancho Division CIP Fund | Santa Rosa Division CIP Fund | Wastewater Division CIP Fund | Total |
|---|---|---|---|---|
| **Total** | | | | Sum **$559,355,558** |
| 1996-97 | $3,443,000 | $2,194,500 | $448,000 | $6,085,500 |
| 1997-98 | $3,266,300 | $1,064,100 | $350,000 | $4,680,400 |
| 1998-99 | $1,755,000 | $1,197,500 | $0 | $2,952,500 |
| 1999-00 | $1,688,500 | $1,415,500 | $0 | $3,104,000 |
| 2000-01 | $1,713,500 | $2,397,500 | $755,000 | $4,866,000 |
| 2001-02 | $1,999,500 | $1,602,500 | $525,000 | $4,127,000 |
| 2002-03 | $1,620,500 | $1,139,500 | $285,000 | $3,045,000 |
| 2003-04 | $1,842,000 | $1,473,000 | $315,000 | $3,630,000 |
| 2004-05 | $1,916,250 | $1,473,750 | $275,000 | $3,665,000 |
| 2005-06 | $1,985,500 | $2,209,500 | $165,000 | $4,360,000 |
| 2006-07 | $2,859,500 | $1,977,500 | $370,000 | $5,207,000 |
| 2007-08 | $5,104,500 | $3,585,500 | $200,000 | $8,890,000 |
| 2008-09 | $8,008,250 | $4,566,750 | $193,000 | $12,768,000 |
| 2009-10 | $7,972,750 | $3,497,250 | $315,000 | $11,785,000 |
| 2010-11 | $5,157,000 | $11,998,000 | $1,100,000 | $18,255,000 |
| 2011-12 | $4,802,500 | $3,760,500 | $416,000 | $8,979,000 |
| 2012-13 | $5,411,000 | $3,932,000 | $1,160,000 | $10,503,000 |
| 2013-14 | $11,085,250 | $3,298,750 | $1,875,000 | $16,259,000 |
| 2014-15 | $10,879,719 | $3,256,281 | $1,235,000 | $15,371,000 |
| 2015-16 | $9,343,350 | $3,192,650 | $2,987,000 | $15,523,000 |
| 2016-17 | $16,517,500 | $17,487,500 | $40,000 | $34,045,000 |
| 2017-18 | $4,238,500 | $3,451,000 | $190,000 | $7,879,500 |
| 2018-19 | $10,382,250 | $3,044,750 | $120,000 | $13,547,000 |
| 2019-20 | $10,428,000 | $8,537,000 | $105,000 | $19,070,000 |
| 2020-21 | $17,295,700 | $12,455,600 | $275,000 | $30,026,300 |
| 2021-22 | $11,464,000 | $11,049,000 | $223,000 | $22,736,000 |
| 2022-23 | $14,086,126 | $11,684,825 | $53,858 | $25,824,809 |
| 2023-24 | $26,330,887 | $23,267,162 | $424,700 | $50,022,749 |
| 2024-25 | $95,156,000 | $57,041,300 | $30,000 | $152,227,300 |
| 2025-26 | $13,358,400 | $7,636,800 | $382,300 | $21,377,500 |
| 2026-27 | $11,717,250 | $6,088,750 | $738,000 | $18,544,000 |

1.B

Rancho Water

COMMITTEE ACTION

# ENGINEERING AND OPERATIONS COMMITTEE

March 26, 2026

**ITEM 1.B:** **Review and Recommend Key Components of the Draft Non-Operating Budget, Fiscal Year 2026/2027**

**RESPONSIBLE/LEAD STAFF MEMBER(S):**

Bill Moses, Finance Manager

**RECOMMENDATIONS:**

Staff requests the Engineering and Operations Committee (Committee) review and recommend staff to include the major assumptions into the key components of Rancho California Water District's (Rancho Water/District) Fiscal Year (FY) 2026/2027 Non-Operating Budget (Budget), as discussed herein.

**DISCUSSION:**

Please see Exhibit A for the discussion details.

**ALTERNATIVES:**

Take no action

**FISCAL ANALYSIS:**

The proposed FY 2026/2027 Non-Operating Budget provides the required revenue to meet the District's current capital and debt-service obligations. Additionally, Rancho Water's LRFP in the Standby Report demonstrates the continued ability to meet future new-facility capital requirements, replacement-facility capital requirements, and both current and future debt-service requirements of the District through 2036, as presented.

**ENVIRONMENTAL REQUIREMENTS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

1. Exhibit A - Discussion Details
2. Exhibit B - Draft Report of Annual Standby Charges - Fiscal Year 2026/2027

# Review and Consideration of the Draft Non-Operating Budget Components, Fiscal Year 2026/2027

Attached for the Committee's review and consideration is the draft Long-Range Financial Plan (LRFP), a key component of the proposed Fiscal Year (FY) 2026/2027 Non-Operating Budget. The LRFP is included in Rancho California Water District's (Rancho Water/District) Annual Standby Charges Report. The LRFP reflects the draft 5-Year Capital Improvement Plan (CIP) and draft FY 2026/2027 Capital Acquisition Plan, both of which will be presented to the Committee as separate agenda items prior to this item.

The LRFP outlines the District's funding strategy and provides detailed insight into current and projected non-operating revenues, expenditures, debt service, and capital requirements. Net Non-Operating Income is projected to decrease by $29.7 million compared to the previous year's budget. The primary drivers of this decrease include:

- The Pechanga Water Rights Settlement (Settlement) funds were received in FY 2025/2026. As a result, no Settlement funds are budgeted for FY 2026/2027, representing a $25.7 million decrease compared to the previous year.
- A projected $7.7 million decrease in capital grant reimbursement/revenue, due to revised timelines for major capital projects, such as the $95 million construction phase of the Vail Dam Remediation Project, of which $49 million is anticipated to be funded through grants.

Significant offsets to the decrease include:

- A projected $1.4 million increase in Ad Valorem (AV) assessment revenue, based on a 3.25 and 3.0 percent increase of assessed property value increases for the Rancho and Santa Rosa Divisions, respectively.
- A projected $1.3 million increase in the 1 percent general-purpose tax, based on a 3.5 percent increase in assessed property values.

The accompanying Annual Standby Charges Report (Exhibit B) outlines Rancho Water's estimated long-term costs associated with acquiring, constructing, and providing water importation, development, transportation, and distribution facilities, to obtain and provide water supplies and wastewater services to Rancho Water consumers and property owners. The report describes the methodology used to allocate the Standby Charges and recommends the existing charges be maintained for FY 2026/2027. Furthermore, to help support future infrastructure, staff recommends retaining the AV assessments in the Rancho Division and Santa Rosa Division of $0.30 and $0.50, respectively, per $100.00 of land-assessed value for FY 2026/2027.

**Debt Service**

A debt service/replacement surcharge (Surcharge) was implemented in the Santa Rosa Division in FY 2018/2019 to provide an additional funding source for the division's capital funding needs. Based on the preapproved rates for the Santa Rosa Division, the FY 2026/2027 draft Budget anticipates that the Surcharge will generate approximately $2.7 million in capital funding for the Santa Rosa Division.

Debt service payments for the District are projected to decrease from the prior year, with a decrease of approximately $1.1 million when compared to the FY 2025/2026 Budget. The FY 2026/2027 debt service budget reflects the addition of $2.6 million in new debt service, resulting from a proposed debt issuance of approximately $43 million to support the Santa Rosa Division capital projects. The year-to-year budget decrease stems from the prior year budget modeling a bond issuance that was postponed. In addition, in the pre-existing debt service payments for FY 2026/2027 are lower than FY 2025/2026.

**Santa Rosa Regional Resources Authority (SRRRA) Debt**

SRRRA (formed in November 2015 by Rancho Water, Western Municipal Water District, and Elsinore Valley Municipal Water District) debt payments are allocated among the three (3) member agencies. Rancho Water's LRFP incorporates its share of the debt service and CIP costs. These estimated payments are increasing by $145 thousand due to a higher amount of planned SRRRA capital project expenditures in FY 2026/2027.

**Capital Needs**

The 5-Year CIP, reviewed in a previous agenda item, is incorporated into the LRFP. The LRFP demonstrates the District's ability to fund these projects, including an approximate $43 million debt issuance anticipated in FY 2026/2027, which will support the Santa Rosa Division projects. The Rancho Division, which maintains stronger reserve levels, is expected to cash fund many of its projects, though its share of the Vail Dam Remediation Project is estimated to be debt-funded in FY 2029/2030.

Only the first year of the 5-Year CIP is proposed for approval and funding as part of this budget cycle. Capital spending is projected to decrease by $7.6 million from the previous year, reflecting the current estimated project timelines and workload assumptions.

**Summary**

The FY 2026/2027 draft Non-Operating Budget projects a $29.7 million decrease in net income when compared to the FY 2025/2026 Non-Operating Budget. The decrease is primarily driven by the absence of $25.7 million from the Pechanga Water Rights Settlement funds previously received, as well as a $7.7 million reduction in projected grant revenue, reflecting the current estimated capital project timelines.

The Budget includes a planned $43 million debt issuance to support key capital projects in the Santa Rosa Division, while the Rancho Division will leverage reserves. The Budget maintains current standby charges and AV assessments and reflects a fiscally responsible approach to long-term infrastructure planning. Staff will present these details at the Committee meeting and will be available to respond to any questions, comments, or feedback from Committee members.

# Report of Annual Standby Charges
# Fiscal Year 2026/2027

Rancho California Water District
42135 Winchester Road, Temecula, CA 92590
951.296.6900 | RanchoWater.com

# Standby Charge Report
# Fiscal Year 2026/2027

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Exhibit "A" – Rancho & Santa Rosa Divisions' Long-Range Financial Plans

Exhibit "B" – Standby Charge Determination Map

Exhibit "C" – Consolidated Non-Operating Budget Summary

Exhibit "D" – SRWRF Long-Range Financial Plan


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# REPORT OF ANNUAL STANDBY CHARGES

# FISCAL YEAR 2026/2027

Draft

Rancho California Water District
42135 Winchester Road, Temecula, CA 92590
951.296.6900 | RanchoWater.com

# 1

## OVERVIEW

### *Report Purpose*

This report addresses Rancho California Water District's (District's) continued standby charge program and demonstrates the estimated long-term costs to the District to acquire, construct, enlarge, and replace capital facilities necessary to provide water importation, development, transportation, and distribution facilities, as well as other works, property, and improvements necessary to obtain and provide water supplies and wastewater service to District customers and property owners. The report also sets forth background information concerning the method and basis for allocating the standby charge to benefiting properties.

### *Background*

The District encompasses approximately 100,000 acres of land located in southwestern Riverside County and serves the area known as Temecula/Rancho California, which includes the City of Temecula, portions of the City of Murrieta, and other contiguous land in the unincorporated territory of the County of Riverside.

The District is governed by a seven-member Board of Directors (Board), each serving alternate four-year terms. The Directors were originally elected at large by property owners in the District, based on one vote for each $1 of assessed valuation of land only. In 1990, the California Water District Law was amended with respect to the District to provide for a gradual transition from voting by landowners to voting by registered voters. Commencing with the 2003 election, all Directors were elected by registered resident voters. The District operates with a full-time equivalent staff of 164.34 under the direction of the Board-appointed General Manager.

On August 16, 1965, to provide for a continuing and reliable water supply, the developers of Temecula/Rancho California formed the Rancho California Water District (the "Rancho District") over the easterly 41,000 acres of the Temecula/Rancho California development. The Santa Rosa Ranches Water District was organized on January 24, 1968 to serve the westerly 44,800 acres of land in the community of Temecula/Rancho California.

On January 1, 1977, the Rancho District and the Santa Rosa Ranches Water District were consolidated in accordance with Riverside County Reorganization No. 76-34-4 and 76-34-5 under the name Rancho California Water District. Land areas within the District were designated as the Rancho Division for the original Rancho District and the Santa Rosa Division for the original Santa Rosa Ranches Water District. As a result of the consolidation, the District acquired power to

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operate, maintain, and furnish facilities for all water systems within the District, and for the collection and treatment of wastewaters over the Santa Rosa Division. Eastern Municipal Water

District remains responsible for wastewater treatment in the Rancho Division. With subsequent annexations, land area of the Santa Rosa Division and the Rancho Division of the District is currently approximately 50,574 and 48,596 acres, respectively.

***District Mission***

The District's mission is to deliver reliable, high-quality water, wastewater, and reclamation services to its customers and communities in a prudent and sustainable manner. The District is one of the few water agencies that enjoys the unique advantage of having a local groundwater supply that offers two distinctive advantages:

- a local supply of good quality water that can be produced at a lower cost than imported water; and
- a safe and reliable source of emergency water.

Projected water demands indicate that imported and recycled water supplies will be necessary to supplement the local supply to meet the needs of the area. Thus, it is essential to develop and maintain the necessary capital facilities to accept and distribute imported water from Metropolitan Water District of Southern California (MWD) via Eastern and Western Municipal Water Districts, as well as to develop and maintain a distribution system for recycled water where it can be put to beneficial use.

***Current Condition***

The provision of water and wastewater services is a capital-intensive industry and costly to operate. The Rancho California area is undergoing growth and climatic changes, placing continued pressure and increasing demands for improved water service and wastewater treatment. The size and scope of the required facilities, as well as the cost of meeting the projected needs of the District, are contained in the following master plans.

In response to the completion of Riverside County's General Plan (Riverside County Integrated Plan) and revisions to the General Plans for the cities of Temecula and Murrieta, the District revised its existing Water Facilities Master Plan, Wastewater Facilities Master Plan, and Water Reclamation Facilities Master Plan with the completion of the 2005 Water Facilities Master Plan and 2005 Wastewater Facilities Master Plan. These master plans were intended to identify and prioritize all required capital facility improvements through 2030, (projected build-out). Furthermore, the District completed the 2005 Integrated Resources Plan ("IRP") to optimize the District's use of its water resources. The Water Facilities Master Plan was updated in 2015 and the Wastewater Facilities Master Plan was updated in 2016.

The IRP was created to develop a long-term water supply plan that will help meet water demands from now until 2050. Through partnerships with Western Municipal Water District and Eastern Municipal Water District (EMWD), the components of the IRP will enhance the utilization of water storage in Vail Lake, improvements to deliver reliable high-quality water, and desalinate recycled water for potable reuse.

The current capital facilities financing program calls for expenditures of ~$715 million by the end of 2046, with ~$65 million being spent on new water facilities and ~$650 million being spent on replacement water facilities.

The Long-Range Financial Plan of the District is updated annually in response to the development of the capital facilities and operational requirements. In order to provide the necessary capital to fund these anticipated facilities, it is necessary for the District to project its cash requirements well into the future and establish an equitable means of collecting an appropriate amount of revenue from the benefiting users.

***Reclamation***

In order to optimize the local water resources, the District has developed a comprehensive water reclamation program. The purpose of this program is to reclaim water through the wastewater treatment process and put it to a beneficial use for non-potable purposes. Every acre-foot of reclaimed water used, in essence, optimizes the water resources to the area, thus reducing the amount of imported water acquired from MWD.

In November 2015, the District worked with Western Municipal Water District (Western) and Elsinore Valley Municipal Water District (Elsinore) to form the Santa Rosa Regional Resources Authority (SRRRA), a joint powers authority (JPA). The SRRRA purchased the Santa Rosa Water Reclamation Facility (SRWRF) in August 2017, thereby transferring the debt associated with the plant from the District to the JPA. The debt is now directly shared with the aforementioned member agencies. The SRRRA includes the SRWRF Rehabilitation Project in its Capital Improvement Project plans and related financing efforts.

Recycled water is produced from the District's SRWRF, with the current average daily flow at approximately 2.6 million gallons per day (MGD). The current design capacity of the SRWRF is 5.0 MGD. The SRWRF is a regional wastewater treatment facility which provides wastewater service to the District, Elsinore, and Western.

In addition, the District acquires approximately 1.0 MGD of recycled water from EMWD. Thus, the total amount of recycled water is 3.6 MGD and the recycled water is used primarily for landscape irrigation and other non-potable uses.

The District is also proceeding with additional planning studies to implement an indirect potable water reuse project to augment the District's water supplies.

***Policies***

Over the past several years, the Board has developed policies to address the changing needs of the service area. In addition, recent changes in California law also require more stringent analysis in the distribution of costs to benefiting users. A key policy that has been in existence for the past several years stipulates that the cost of providing service shall be distributed to the benefiting parties. Specifically, existing and future source of supply and general benefit facilities will be funded from assessments and standby charges. All other water-related capital facilities, both existing and those required for future growth, will be funded from capacity fees and/or assessments, and standby charges in those areas of the District with available bonding capacity. Facility replacement requirements for all categories will also be funded through assessments and standby charges where bonding capacity is available. Other areas without bonding capacity will require landowner contributions for facility completion. The funding of those facilities to provide continuous and improved service to existing users, likewise, will be obtained through revenue sources directly tied to the benefiting and current user.

As seen in the Water Master Plan, the capital facilities are divided between those that benefit growth and those that benefit existing users. The Long-Range Financial Plan was specifically designed to identify those revenue sources appropriate to fund growth-oriented facilities and those facilities necessary to improve service to existing users.

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### *County and City Planning*

The water district's role is that of a service provider. It does not have land planning nor police powers. As a result, the development of its capital improvement and facilities programs is directly related to the land-use plans, as adopted by the city or county. In this instance, the District has developed its master plans in accordance with the Southwest Area Plan developed by the County of Riverside. The District's master plans are flexible enough to respond to any modification(s) that may result from the updated plans of the cities of Temecula and Murrieta; however, major changes to either increase or decrease land-use intensity will have a financial impact on the District and facility requirements of the area. Water demands and wastewater discharge are, likewise, based upon the adopted land-use plans contained within the Southwest Area Plan.

### *Consolidation*

On January 1, 1977, the Rancho District and the Santa Rosa Ranches Water District were consolidated in accordance with Riverside County Reorganization No. 76-34-4 and 76-34-5 under the name Rancho California Water District. Land areas within the District were designated as the Rancho Division for the original Rancho District and the Santa Rosa Division for the original Santa Rosa Ranches Water District.

In the County of Riverside Board of Supervisors Resolution No. 76-320 declaring the consolidation (Consolidation Resolution), the County set forth certain conditions relating to the operation of the District, including the maintenance of rates and charges and assessments in each of the divisions. Certain provisions of the Consolidation Resolution were in dispute among certain individuals and entities within the District and the disputes were settled and memorialized in an Agreement dated May 22, 1981 (the LAFCO Settlement Agreement). The LAFCO Settlement Agreement clarifies certain provisions of the Consolidation Resolution and sets forth additional procedures regarding accounting methods, including the maintenance of financial information for each division within the District. In accordance with the Consolidation Resolution and the LAFCO Settlement Agreement, the District identifies and allocates the proceeds of its obligations to improvements made within each division, and establishes rates and charges for each division accordingly so as to derive the net revenues necessary to pay installment payments and other payments in each fiscal year. Under the terms of the Consolidation Resolution and the LAFCO Settlement Agreement, the District may not increase the rates, fees, and charges in one division to pay the cost of providing service in the other division.

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***Long-Range Financial Planning***

Exhibit "A" contains an excerpt of the Long-Range Financial Plan of the Rancho and Santa Rosa Divisions, depicting the anticipated cash flows for the next 10 years. This long-range cash flow pro forma identifies all anticipated costs and appropriate revenue sources for the next 10 years. Costs are broken down as follows:

- source of supply and general facilities;
- other major water storage and transmission facilities; and
- secondary facilities or those benefiting only specific areas of the District.

From there, appropriate revenue sources were developed to match these expenses. It can be noted that water and wastewater availability charges will be used in the Santa Rosa Division.

Prior to Fiscal Year 1987/1988, standby charges were levied in the Rancho Division; however, the growth of its ad valorem-based assessment revenues increased, thereby eliminating the need for standby charges in the Rancho Division.

Conversely, the Santa Rosa Division, which is the younger division and which supplies large volumes of water to agricultural users, has had a greater demand for facilities with the accompanying costs. Thus, the standby charge has been reduced only slightly over the past years.

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## STANDBY CHARGES

### *Authorization*

As previously stated, authorization to collect standby charges is contained in the Water Code Section 35470. This section states that "any district formed on or after July 30, 1917, may, in lieu, in whole, or in part of raising money for district purposes by assessment, make water available to the holders of title to land or the occupants thereon, and may fix and collect charges therefore." The California Water District Act provides for the levy of standby charges on lands within the District and provides that the charges so levied may be used for any District purpose. Standby charges are levied against land within the District based on the proximity of existing water facilities with decreases in the charges as the distance from existing water service increases. Standby charges, which may be changed at the discretion of the District's Board, are levied annually and are billed in two equal installments on the annual property tax bill. As such, the penalties and enforcement procedures for the failure to pay standby charges are identical to those for the failure to pay property taxes. In order to increase the amount of the standby charges levied, the District must comply with the provisions of Article XIII D of the State Constitution.

This authority to levy charges may include standby charges to holders of title to land to which water may be available, whether the water is actually used or not. The charges may vary in different months and in different localities of the District to correspond to the cost and values of the service and the District may use as much of the proceeds of the charges as necessary to defray the ordinary operation or maintenance expenses of the District and for any other lawful District purpose."

Based upon this authority, the District has developed a standby charge formula for the levying of fees that has been modified over the past years in order to accommodate the changing needs and development within the District's service area. Originally, the standby charge was relatively complex. As the District matured, the formula has been modified to recognize change. For purposes of assessing the benefiting lands, the standby charge is broken down into several categories to recognize levels of benefit.

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***Santa Rosa Water Division Standby Charge Categories by Area***

Area 1. Area 1 is defined as parcels with a water meter.

Area 1A. Area 1A is defined as parcels of land that front a water main. Area 1A also includes parcels larger than one acre that front a water main.

Area 2. Area 2 is defined as parcels that do not front a water main but are close enough, through a secondary-line extension, to receive water service without the addition of any major facilities by the District.

Area 3. Area 3 is defined as parcels that are located in such an area that would require the extension of major capital facilities by the District, as well as secondary-line extensions.

Another underlying benefit attributable to all parcels is the availability of a local and imported water supply. The Board has determined that the availability of a water supply in itself is a benefit. Additional benefits accrue as a result of the geographic availability of water and nearness to District pipelines. As can be noted in Exhibit "B," the proximity of a District pipeline does have a direct relationship to cost and benefit to that property. Water service to all properties subject to the Standby Charge is available upon payment of the appropriate capacity, meter installation, and any other applicable fee. Additionally, if required, the construction of any property-specific delivery system must be completed by the property owner prior to establishing service.

***Charges***

Area 1. Parcels with a water meter shall be charged $69.92 per acre or per parcel, if less than one acre.

Area 1A. Parcels without water service shall be charged $69.92 per acre or per parcel, if less than one acre for the first 40 acres, and $62.10 per acre for the remaining acres.

Area 2. All parcels shall be charged $48.00 per acre or per parcel, if less than one acre.

Area 3. All parcels shall be charged $23.50 per acre or per parcel, if less than one acre.

Exhibit "C" is a summary of the Non-Operating Budget for Fiscal Year 2026/2027, pending adoption by the Board. It can be noted that the amount of revenue expected to be derived from the annual water standby charge is approximately $2,695,864.

Exhibit "C" further denotes that the standby charge revenue is a substantial portion of the revenues used to pay debt service obligation. The revenue derived from standby charges is a result of District policy to use ad valorem assessments and standby charges to fund existing debt, and future debt in those areas of the District with available bonding capacity.



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***Standby Charge for the Santa Rosa Water Reclamation Facility***

The Santa Rosa Water Reclamation Facility (SRWRF) has an existing design capacity of 5.0 MGD. Currently, the plant is processing 2.6-MGD of permanent flows, which is approximately 52 percent of its current capacity. The District projects connections of approximately 30 equivalent dwelling units per year, which should produce an additional 42,000 gallons per day of influent per year. The portion of the plant capacity that is in reserve for future benefiting users creates a financial burden that is directly tied to the availability of the service.

In order to arrive at an equitable apportionment of cost and benefit, it is necessary that an annual standby charge be levied on those properties that have not paid their proportionate share of the capital costs of this facility. Thus, it is necessary to levy a standby charge of $28.50 per acre or per parcel on all land that has not paid a capacity fee as of March 1, 2026.

Exhibit "C" is a summary of the Non-Operating Budget for Fiscal Year 2026/2027, pending adoption by the Board. It can be noted that the amount of revenue expected to be derived from the annual wastewater standby charge is approximately $30,529.

***Long-Range Financial Plan***

Exhibit "D" is a portion of the Long-Range Financial Plan depicting the funding of the water reclamation facilities within the Santa Rosa Division. It can be noted that the sources of revenue are a combination of service charges, capacity fees, interest, and annual standby charges.

In keeping with the Board policy of distributing cost to benefiting users, the annual standby charge has been set to cover a portion of the debt service attributable to interest which, in essence, is that cost attributable to potential benefit by those landowners who have not yet taken advantage of the water reclamation service.

***Property List***

A list of parcels and their assessment is on file at the District office.

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# Exhibit “A”

## Rancho Division

## Long-Range Financial Plan

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Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Rancho Division

| Fiscal Year Ending June 30, | 2027 | 2028 | 2029 |
|---|---|---|---|
| Beginning Fund Balance - Unrestricted | $249,361,821 | $254,026,316 | $237,218,291 |
| Beginning Fund Balance - Restricted | $0 | $0 | $0 |
| **Beginning Fund Balance - Total** | **$249,361,821** | **$254,026,316** | **$237,218,291** |
| **Funding Sources** | | | |
| **Taxes & Assessments** | | | |
| 1% General Purpose [1] | $22,301,753 | $23,054,437 | $23,803,706 |
| Ad Valorem Assessments [2] | 23,364,999 | 24,085,280 | 24,814,284 |
| Fire Service Charges [3] | 192,418 | 192,418 | 192,418 |
| **Total Taxes and Assessments** | **$45,859,170** | **$47,332,135** | **$48,810,408** |
| **Other Revenues** | | | |
| Interest Internal Debt Reserve Funds [4] | $9,845,326 | $8,636,895 | $7,828,204 |
| Other Tier IV Programs | 921,667 | 921,667 | 921,667 |
| Capacity Fees | 4,243,835 | 6,201,447 | 3,991,295 |
| Federal Direct Pay Interest Subsidy | 59,689 | 53,127 | 39,460 |
| Vail Lake Operations | 351,871 | 370,221 | 434,509 |
| Water Rights Settlement [5] | 0 | 0 | 0 |
| Interdivisional Loan Repayment | 851,393 | 1,093,491 | 1,086,228 |
| Other Miscellaneous | 0 | 0 | 0 |
| **Total Other Revenues** | **$16,273,781** | **$17,276,849** | **$14,301,363** |
| **Non Revenue Cash/Debt Proceeds** | **$0** | **$0** | **$0** |
| **Total Funding Sources** | **$62,132,951** | **$64,608,985** | **$63,111,771** |
| **Funding Uses** | | | |
| **Debt Service and Other Expenses** | | | |
| Debt Service [6] | $7,467,098 | $7,923,671 | $7,992,183 |
| Misc. Bond Fees/Other Expenses | 392,800 | 400,656 | 408,669 |
| SRRRA Capital Cost Share - Tertiary Treatment [7] | 447,810 | 1,133,083 | 1,491,186 |
| Transfer to Operating Reserve Fund - Other [8] | 11,075,490 | 11,113,575 | 10,291,804 |
| Transfer to Operating Reserve Fund- PERS & OPEB UAL [9] | 2,227,368 | 2,381,561 | 2,651,154 |
| **Total Debt Service and Other Expenses** | **$21,610,565** | **$22,952,547** | **$22,834,997** |
| **Capital Projects** | | | |
| Capital Acquisition | $1,127,500 | $1,000,000 | $1,030,000 |
| Capital Projects | 36,643,594 | 59,989,050 | 47,675,211 |
| Capital Grant Revenue | (1,913,203) | (2,524,587) | (2,148,268) |
| **Net Capital Projects** | **$35,857,891** | **$58,464,463** | **$46,556,942** |
| **Total Funding Uses** | **$57,468,457** | **$81,417,009** | **$69,391,940** |
| **Net Sources/(Uses)** | **$4,664,494** | **($16,808,025)** | **($6,280,169)** |
| Ending Fund Balance - Unrestricted | $254,026,316 | $237,218,291 | $230,938,122 |
| Ending Fund Balance - Restricted | $0 | $0 | $0 |
| **Ending Fund Balance - Total** | **$254,026,316** | **$237,218,291** | **$230,938,122** |
| **Projected Debt Balance** | **$83,231,470** | **$78,810,378** | **$74,248,071** |

Draft

## Rancho Division

| | |
|---|---|
| Note 1: | 1% Tax revenue is indexed at 3.5% growth for FY 2026/2027, 3.38% growth FY 2027/2028, 3.25% growth FY 2028/2029, 3.13% growth for FY 2029/2030, then at 3.0% per year thereafter. |
| Note 2: | Ad Valorem revenue is based upon a rate of $0.30 per $100 of land value indexed at 3.25% growth for FY 2026/2027, 3.19% growth for FY 2027/2028, 3.13% growth for FY 2028/2029, 3.06% growth for FY 2029/2030, then at 3.0% per year thereafter. |
| Note 3: | Fire Service is a property assessment applied to commercial properties related to upsizing capital facilities to meet commercial fire-flow requirements. |
| Note 4: | Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030 and 3.5% per year thereafter. |
| Note 5: | Proceeds from Pechanga Water Rights Settlement approved by Congress in FY 2016/2017 and appropriated in FY 2025/2026 for reimbursement to the District for certain capital projects and capacity to wheel water. |
| Note 6: | Debt service costs include taxes for CFD 89-5, ends in FY 2028/2029. |
| Note 7: | Rancho Division's share of SRRRA facility project costs and Debt service. |
| Note 8: | Amount is to fund increased imported water purchases due to native water pumping reductions, and to fund operating costs for major planned maintenance of capital facilities and software subscriptions. |
| Note 9: | Amount to pay Rancho Division's share of the CalPER's UAL, projected to end in FY 2044/2045. |

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Rancho Division

| Fiscal Year Ending June 30, | 2030 | 2031 | 2032 |
|---|---|---|---|
| Beginning Fund Balance - Unrestricted | $230,938,122 | $296,740,600 | $320,763,353 |
| Beginning Fund Balance - Restricted | $0 | $1,601,478 | $0 |
| **Beginning Fund Balance - Total** | **$230,938,122** | **$298,342,078** | **$320,763,353** |
| **Funding Sources** | | | |
| **Taxes & Assessments** | | | |
| 1% General Purpose [1] | $24,547,572 | $25,283,999 | $26,042,519 |
| Ad Valorem Assessments [2] | 25,551,418 | 26,296,060 | 27,062,603 |
| Fire Service Charges [3] | 192,418 | 192,418 | 192,418 |
| **Total Taxes and Assessments** | **$50,291,408** | **$51,772,477** | **$53,297,540** |
| **Other Revenues** | | | |
| Interest Internal Debt Reserve Funds [4] | $7,851,896 | $10,385,921 | $11,226,717 |
| Other Tier IV Programs | 921,667 | 921,667 | 921,667 |
| Capacity Fees | 4,117,208 | 979,458 | 1,008,850 |
| Federal Direct Pay Interest Subsidy | 24,508 | 8,330 | 0 |
| Vail Lake Operations | 491,550 | 500,379 | 508,619 |
| Water Rights Settlement [5] | 0 | 0 | 0 |
| Interdivisional Loan Repayment | 1,078,966 | 1,071,703 | 917,205 |
| Other Miscellaneous | 0 | 0 | 0 |
| **Total Other Revenues** | **$14,485,794** | **$13,867,458** | **$14,583,059** |
| **Non Revenue Cash/Debt Proceeds** | **$81,185,288** | **$0** | **$0** |
| **Total Funding Sources** | **$145,962,491** | **$65,639,935** | **$67,880,598** |
| **Funding Uses** | | | |
| **Debt Service and Other Expenses** | | | |
| Debt Service [6] | $12,262,706 | $12,263,747 | $11,705,607 |
| Misc. Bond Fees/Other Expenses | 416,843 | 425,179 | 433,683 |
| SRRRA Capital Cost Share - Tertiary Treatment [7] | 690,703 | 1,819,613 | 906,660 |
| Transfer to Operating Reserve Fund - Other [8] | 10,437,111 | 13,045,275 | 13,960,380 |
| Transfer to Operating Reserve Fund- PERS & OPEB UAL [9] | 2,664,058 | 2,665,610 | 2,331,109 |
| **Total Debt Service and Other Expenses** | **$26,471,421** | **$30,219,424** | **$29,337,439** |
| **Capital Projects** | | | |
| Capital Acquisition | $1,060,900 | $1,092,727 | $1,125,509 |
| Capital Projects | 55,255,271 | 12,100,117 | 12,456,066 |
| Capital Grant Revenue | (4,229,057) | (193,607) | 0 |
| **Net Capital Projects** | **$52,087,114** | **$12,999,237** | **$13,581,575** |
| **Total Funding Uses** | **$78,558,534** | **$43,218,661** | **$42,919,013** |
| **Net Sources/(Uses)** | **$67,403,957** | **$22,421,275** | **$24,961,585** |
| Ending Fund Balance - Unrestricted | $296,740,600 | $320,763,353 | $345,724,938 |
| Ending Fund Balance - Restricted | $1,601,478 | $0 | $0 |
| **Ending Fund Balance - Total** | **$298,342,078** | **$320,763,353** | **$345,724,938** |
| **Projected Debt Balance** | **$151,088,826** | **$146,025,329** | **$141,479,510** |

Draft

## Rancho Division

Note 1: 1% Tax revenue is indexed at 3.5% growth for FY 2026/2027, 3.38% growth FY 2027/2028, 3.25% growth FY 2028/2029, 3.13% growth for FY 2029/2030, then at 3.0% per year thereafter.

Note 2: Ad Valorem revenue is based upon a rate of $0.30 per $100 of land value indexed at 3.25% growth for FY 2026/2027, 3.19% growth for FY 2027/2028, 3.13% growth for FY 2028/2029, 3.06% growth for FY 2029/2030, then at 3.0% per year thereafter.

Note 3: Fire Service is a property assessment applied to commercial properties related to upsizing capital facilities to meet commercial fire-flow requirements.

Note 4: Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030 and 3.5% per year thereafter.

Note 5: Proceeds from Pechanga Water Rights Settlement approved by Congress in FY 2016/2017 and appropriated in FY 2025/2026 for reimbursement to the District for certain capital projects and capacity to wheel water.

Note 6: Debt service costs include taxes for CFD 89-5, ends in FY 2028/2029.

Note 7: Rancho Division's share of SRRRA facility project costs and Debt service.

Note 8: Amount is to fund increased imported water purchases due to native water pumping reductions, and to fund operating costs for major planned maintenance of capital facilities and software subscriptions.

Note 9: Amount to pay Rancho Division's share of the CalPER's UAL, projected to end in FY 2044/2045.

| Fiscal Year Ending June 30, | 2033 | 2034 | 2035 |
|---|---|---|---|
| Beginning Fund Balance - Unrestricted | $345,724,938 | $376,943,692 | $410,291,539 |
| Beginning Fund Balance - Restricted | $0 | $0 | $0 |
| **Beginning Fund Balance - Total** | **$345,724,938** | **$376,943,692** | **$410,291,539** |
| **Funding Sources** | | | |
| **Taxes & Assessments** | | | |
| 1% General Purpose [1] | $26,823,795 | $27,628,508 | $28,457,364 |
| Ad Valorem Assessments [2] | 27,851,695 | 28,664,005 | 29,500,219 |
| Fire Service Charges [3] | 192,418 | 192,418 | 192,418 |
| **Total Taxes and Assessments** | **$54,867,908** | **$56,484,931** | **$58,150,000** |
| **Other Revenues** | | | |
| Interest Internal Debt Reserve Funds [4] | $12,100,373 | $13,193,029 | $14,360,204 |
| Other Tier IV Programs | 921,667 | 921,667 | 921,667 |
| Capacity Fees | 1,039,164 | 1,070,400 | 1,102,560 |
| Federal Direct Pay Interest Subsidy | 0 | 0 | 0 |
| Vail Lake Operations | 516,957 | 525,392 | 533,924 |
| Water Rights Settlement [5] | 0 | 0 | 0 |
| Interdivisional Loan Repayment | 909,942 | 902,679 | 895,416 |
| Other Miscellaneous | 0 | 0 | 0 |
| **Total Other Revenues** | **$15,488,103** | **$16,613,168** | **$17,813,771** |
| **Non Revenue Cash/Debt Proceeds** | **$0** | **$0** | **$0** |
| **Total Funding Sources** | **$70,356,011** | **$73,098,099** | **$75,963,771** |
| **Funding Uses** | | | |
| **Debt Service and Other Expenses** | | | |
| Debt Service [6] | $9,332,257 | $9,354,779 | $9,350,279 |
| Misc. Bond Fees/Other Expenses | 442,357 | 451,204 | 460,228 |
| SRRRA Capital Cost Share - Tertiary Treatment [7] | 759,342 | 799,953 | 606,936 |
| Transfer to Operating Reserve Fund - Other [8] | 14,909,225 | 16,077,973 | 17,322,166 |
| Transfer to Operating Reserve Fund- PERS & OPEB UAL [9] | 2,275,537 | 2,088,025 | 1,987,133 |
| **Total Debt Service and Other Expenses** | **$27,718,717** | **$28,771,934** | **$29,726,742** |
| **Capital Projects** | | | |
| Capital Acquisition | $1,159,274 | $1,194,052 | $1,229,874 |
| Capital Projects | 10,259,266 | 9,784,266 | 9,784,266 |
| Capital Grant Revenue | 0 | 0 | 0 |
| **Net Capital Projects** | **$11,418,540** | **$10,978,318** | **$11,014,140** |
| **Total Funding Uses** | **$39,137,257** | **$39,750,252** | **$40,740,882** |
| **Net Sources/(Uses)** | **$31,218,754** | **$33,347,847** | **$35,222,889** |
| Ending Fund Balance - Unrestricted | $376,943,692 | $410,291,539 | $445,514,428 |
| Ending Fund Balance - Restricted | $0 | $0 | $0 |
| **Ending Fund Balance - Total** | **$376,943,692** | **$410,291,539** | **$445,514,428** |
| **Projected Debt Balance** | **$139,146,656** | **$136,647,595** | **$134,235,930** |

## Rancho Division

Note 1: 1% Tax revenue is indexed at 3.5% growth for FY 2026/2027, 3.38% growth FY 2027/2028, 3.25% growth FY 2028/2029, 3.13% growth for FY 2029/2030, then at 3.0% per year thereafter.

Note 2: Ad Valorem revenue is based upon a rate of $0.30 per $100 of land value indexed at 3.25% growth for FY 2026/2027, 3.19% growth for FY 2027/2028, 3.13% growth for FY 2028/2029, 3.06% growth for FY 2029/2030, then at 3.0% per year thereafter.

Note 3: Fire Service is a property assessment applied to commercial properties related to upsizing capital facilities to meet commercial fire-flow requirements.

Note 4: Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030 and 3.5% per year thereafter.

Note 5: Proceeds from Pechanga Water Rights Settlement approved by Congress in FY 2016/2017 and appropriated in FY 2025/2026 for reimbursement to the District for certain capital projects and capacity to wheel water.

Note 6: Debt service costs include taxes for CFD 89-5, ends in FY 2028/2029.

Note 7: Rancho Division's share of SRRRA facility project costs and Debt service.

Note 8: Amount is to fund increased imported water purchases due to native water pumping reductions, and to fund operating costs for major planned maintenance of capital facilities and software subscriptions.

Note 9: Amount to pay Rancho Division's share of the CalPER's UAL, projected to end in FY 2044/2045.

Draft

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Rancho Division

| Fiscal Year Ending June 30, | 2036 | Totals / Balance |
|---|---|---|
| Beginning Fund Balance - Unrestricted | $445,514,428 | $445,514,428 |
| Beginning Fund Balance - Restricted | $0 | $0 |
| **Beginning Fund Balance - Total** | **$445,514,428** | **$445,514,428** |
| **Funding Sources** | | |
| **Taxes & Assessments** | | |
| 1% General Purpose [1] | $29,311,085 | **$257,254,737** |
| Ad Valorem Assessments [2] | 30,361,045 | **267,551,607** |
| Fire Service Charges [3] | 192,418 | **1,924,180** |
| **Total Taxes and Assessments** | **$59,864,547** | **$526,730,524** |
| **Other Revenues** | | |
| Interest Internal Debt Reserve Funds [4] | $15,593,005 | **$111,021,570** |
| Other Tier IV Programs | 921,667 | **9,216,670** |
| Capacity Fees | 1,135,644 | **24,889,861** |
| Federal Direct Pay Interest Subsidy | 0 | **185,115** |
| Vail Lake Operations | 542,556 | **4,775,979** |
| Water Rights Settlement [5] | 0 | **0** |
| Interdivisional Loan Repayment | 888,153 | **9,695,177** |
| Other Miscellaneous | 0 | **0** |
| **Total Other Revenues** | **$19,081,025** | **$159,784,372** |
| **Non Revenue Cash/Debt Proceeds** | **$0** | **$81,185,288** |
| **Total Funding Sources** | **$78,945,573** | **$767,700,185** |
| **Funding Uses** | | |
| **Debt Service and Other Expenses** | | |
| Debt Service [6] | $14,155,687 | **$101,808,013** |
| Misc. Bond Fees/Other Expenses | 469,432 | **4,301,050** |
| SRRRA Capital Cost Share - Tertiary Treatment [7] | 146,702 | **8,801,989** |
| Transfer to Operating Reserve Fund - Other [8] | 18,642,940 | **136,875,939** |
| Transfer to Operating Reserve Fund- PERS & OPEB UAL [9] | 1,847,966 | **23,119,523** |
| **Total Debt Service and Other Expenses** | **$35,262,728** | **$274,906,514** |
| **Capital Projects** | | |
| Capital Acquisition | $1,266,770 | **$11,286,606** |
| Capital Projects | 9,784,266 | **263,731,371** |
| Capital Grant Revenue | 0 | **(11,008,722)** |
| **Net Capital Projects** | **$11,051,036** | **$264,009,255** |
| **Total Funding Uses** | **$46,313,764** | **$538,915,769** |
| **Net Sources/(Uses)** | **$32,631,809** | **$228,784,416** |
| Ending Fund Balance - Unrestricted | $478,146,237 | $478,146,237 |
| Ending Fund Balance - Restricted | $0 | $0 |
| **Ending Fund Balance - Total** | **$478,146,237** | **$478,146,237** |
| **Projected Debt Balance** | **$126,821,507** | **$126,821,507** |

Draft

## Rancho Division

| | |
|---|---|
| Note 1: | 1% Tax revenue is indexed at 3.5% growth for FY 2026/2027, 3.38% growth FY 2027/2028, 3.25% growth FY 2028/2029, 3.13% growth for FY 2029/2030, then at 3.0% per year thereafter. |
| Note 2: | Ad Valorem revenue is based upon a rate of $0.30 per $100 of land value indexed at 3.25% growth for FY 2026/2027, 3.19% growth for FY 2027/2028, 3.13% growth for FY 2028/2029, 3.06% growth for FY 2029/2030, then at 3.0% per year thereafter. |
| Note 3: | Fire Service is a property assessment applied to commercial properties related to upsizing capital facilities to meet commercial fire-flow requirements. |
| Note 4: | Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030 and 3.5% per year thereafter. |
| Note 5: | Proceeds from Pechanga Water Rights Settlement approved by Congress in FY 2016/2017 and appropriated in FY 2025/2026 for reimbursement to the District for certain capital projects and capacity to wheel water. |
| Note 6: | Debt service costs include taxes for CFD 89-5, ends in FY 2028/2029. |
| Note 7: | Rancho Division's share of SRRRA facility project costs and Debt service. |
| Note 8: | Amount is to fund increased imported water purchases due to native water pumping reductions, and to fund operating costs for major planned maintenance of capital facilities and software subscriptions. |
| Note 9: | Amount to pay Rancho Division's share of the CalPER's UAL, projected to end in FY 2044/2045. |

# Exhibit "A"

## Santa Rosa Division

## Long-Range Financial Plan

Draft

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Santa Rosa Division

| Fiscal Year Ending June 30, | 2027 | 2028 | 2029 |
|---|---|---|---|
| Beginning Fund Balance - Unrestricted | $22,811,805 | $46,059,328 | $36,292,124 |
| Beginning Fund Balance - Restricted | $0 | $8,751,157 | $1,268,641 |
| **Beginning Fund Balance - Total** | **$22,811,805** | **$54,810,486** | **$37,560,765** |
| **Funding Sources** | | | |
| **Taxes & Assessments** | | | |
| 1% General Purpose [1] | $4,130,717 | $4,270,129 | $4,408,908 |
| Ad Valorem Assessments [2] | 11,516,500 | 11,850,063 | 12,193,402 |
| Standby Charges | 2,695,864 | 2,695,864 | 2,695,864 |
| Fire Service Charges [3] | 71,992 | 71,992 | 71,992 |
| **Total Taxes and Assessments** | **$18,415,073** | **$18,888,047** | **$19,370,166** |
| **Other Revenues** | | | |
| Interest Internal Debt Reserve Funds [4] | $1,497,520 | $1,566,017 | $1,197,640 |
| Capital Replacement Surcharge [5] | 2,285,469 | 2,522,618 | 2,721,878 |
| Other Tier IV Programs | 460,834 | 460,834 | 460,834 |
| Capacity Fees | 198,486 | 205,335 | 212,113 |
| Federal Direct Pay Interest Subsidy | 280,404 | 249,579 | 185,373 |
| Vail Lake Operations | 150,802 | 158,666 | 186,218 |
| Water Rights Settlement [6] | 0 | 0 | 0 |
| Other Miscellaneous | 0 | 0 | 0 |
| **Total Other Revenues** | **$4,873,515** | **$5,163,050** | **$4,964,056** |
| **Non Revenue Cash/Debt Proceeds** | **$42,756,304** | **$0** | **$0** |
| **Total Funding Sources** | **$66,044,891** | **$24,051,097** | **$24,334,222** |
| **Funding Uses** | | | |
| **Debt Service and Other Expenses** | | | |
| Debt Service [7] | $12,158,596 | $13,903,453 | $13,948,941 |
| Misc. Bond Fees/Other Expenses | 209,500 | 213,690 | 217,964 |
| SRRRA Capital Cost Share - Tertiary Treatment [8] | 115,013 | 286,238 | 375,669 |
| Transfer to Operating Reserve Fund - Other [9] | 2,134,031 | 1,484,300 | 1,269,092 |
| Transfer to Operating Reserve Fund- PERS & OPEB UAL [10] | 1,140,283 | 1,219,221 | 1,357,237 |
| Interdivisional Loan Payment [11] | 783,413 | 783,413 | 776,150 |
| **Total Debt Service and Other Expenses** | **16,540,836** | **17,890,314** | **17,945,052** |
| **Capital Projects** | | | |
| Capital Acquisition | $1,127,500 | $1,000,000 | $1,030,000 |
| Capital Projects | 24,365,937 | 37,980,143 | 24,883,579 |
| Capital Grant Revenue | (7,988,063) | (15,569,639) | (9,557,218) |
| **Net Capital Projects** | **$17,505,375** | **$23,410,504** | **$16,356,361** |
| **Total Funding Uses** | **$34,046,211** | **$41,300,818** | **$34,301,413** |
| **Net Sources/(Uses)** | **$31,998,680** | **($17,249,721)** | **($9,967,191)** |
| Ending Fund Balance - Unrestricted | $46,059,328 | $36,292,124 | $27,593,574 |
| Ending Fund Balance - Restricted | $8,751,157 | $1,268,641 | $0 |
| **Ending Fund Balance - Total** | **$54,810,486** | **$37,560,765** | **$27,593,574** |
| **Projected Debt Balance** | **$147,048,780** | **$139,075,422** | **$130,795,470** |

## Santa Rosa Division

Note 1: 1% Tax revenue is indexed at 3.5% growth for FY 2026/2027, 3.38% growth FY 2027/2028, 3.25% growth FY 2028/2029, 3.13% growth for FY 2029/2030, then at 3.0% per year thereafter.

Note 2: Ad Valorem revenue is based upon a rate of $0.50 per $100 of land value indexed at 3.0% growth for all years.

Note 3: Fire Service is a property assessment applied to commercial properties related to upsizing capital facilities to meet commercial fire-flow requirements.

Note 4: Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030 and 3.5% per year thereafter.

Note 5: Capital Replacement Surcharge recovered through water rates and charges and utilized to fund capital projects.

Note 6: Proceeds from Pechanga Water Rights Settlement approved by Congress in FY 2016/2017 and appropriated in FY 2025/2026 for reimbursement to the District for certain capital projects and capacity to wheel water.

Note 7: Debt service costs include taxes for CFD 89-5, end in FY 2028/2029.

Note 8: Santa Rosa Division's share of SRRRA facility project costs and Debt service.

Note 9: Amount is to fund increased imported water purchases due to native water pumping reductions , and to fund operating costs for major planned maintenance of capital facilities and software subscriptions.

Note 10: Amount to pay the Santa Rosa Division's share of the CalPER's UAL, projected to end in FY 2044/2045.

Note 11: Repayment of $6.55M loan from Rancho Division for its 31% share of $10.5M additional payment to CalPERS and $10.5M initial contribution to Section 115 trust. Repayment of $2.4M loan from Rancho Division for its 31% share of $7.7M payment to VEBA trust.

Draft

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Santa Rosa Division

| Fiscal Year Ending June 30, | 2030 | 2031 | 2032 |
|---|---|---|---|
| Beginning Fund Balance - Unrestricted | $27,593,574 | $25,033,575 | $23,687,821 |
| Beginning Fund Balance - Restricted | $0 | $0 | $0 |
| **Beginning Fund Balance - Total** | **$27,593,574** | **$25,033,575** | **$23,687,821** |
| **Funding Sources** | | | |
| **Taxes & Assessments** | | | |
| 1% General Purpose [1] | $4,546,686 | $4,683,087 | $4,823,579 |
| Ad Valorem Assessments [2] | 12,546,807 | 12,910,574 | 13,285,428 |
| Standby Charges | 2,695,864 | 2,695,864 | 2,695,864 |
| Fire Service Charges [3] | 71,992 | 71,992 | 71,992 |
| **Total Taxes and Assessments** | **$19,861,349** | **$20,361,517** | **$20,876,863** |
| **Other Revenues** | | | |
| Interest Internal Debt Reserve Funds [4] | $938,182 | $876,175 | $829,074 |
| Capital Replacement Surcharge [5] | 2,856,586 | 3,005,760 | 3,155,081 |
| Other Tier IV Programs | 460,834 | 460,834 | 460,834 |
| Capacity Fees | 619,576 | 638,165 | 657,355 |
| Federal Direct Pay Interest Subsidy | 115,130 | 39,134 | 0 |
| Vail Lake Operations | 210,664 | 214,448 | 217,980 |
| Water Rights Settlement [6] | 0 | 0 | 0 |
| Other Miscellaneous | 0 | 0 | 0 |
| **Total Other Revenues** | **$5,200,972** | **$5,234,516** | **$5,320,324** |
| **Non Revenue Cash/Debt Proceeds** | **$0** | **$0** | **$71,102,608** |
| **Total Funding Sources** | **$25,062,321** | **$25,596,033** | **$97,299,795** |
| **Funding Uses** | | | |
| **Debt Service and Other Expenses** | | | |
| Debt Service [7] | $13,691,135 | $15,167,573 | $16,668,369 |
| Misc. Bond Fees/Other Expenses | 222,323 | 226,770 | 231,305 |
| SRRRA Capital Cost Share - Tertiary Treatment [8] | 175,451 | 556,861 | 328,523 |
| Transfer to Operating Reserve Fund - Other [9] | 1,303,664 | 1,338,974 | 1,375,044 |
| Transfer to Operating Reserve Fund- PERS & OPEB UAL [10] | 1,363,843 | 1,364,637 | 1,193,392 |
| Interdivisional Loan Payment [11] | 768,888 | 761,625 | 607,127 |
| **Total Debt Service and Other Expenses** | **17,525,304** | **19,416,440** | **20,403,759** |
| **Capital Projects** | | | |
| Capital Acquisition | $1,060,900 | $1,092,727 | $1,125,509 |
| Capital Projects | 25,840,809 | 7,201,941 | 20,048,659 |
| Capital Grant Revenue | (16,804,694) | (769,322) | 0 |
| **Net Capital Projects** | **$10,097,016** | **$7,525,346** | **$21,174,168** |
| **Total Funding Uses** | **$27,622,319** | **$26,941,786** | **$41,577,928** |
| **Net Sources/(Uses)** | **($2,559,999)** | **($1,345,754)** | **$55,721,867** |
| Ending Fund Balance - Unrestricted | $25,033,575 | $23,687,821 | $27,932,602 |
| Ending Fund Balance - Restricted | $0 | $0 | $51,477,087 |
| **Ending Fund Balance - Total** | **$25,033,575** | **$23,687,821** | **$79,409,689** |
| **Projected Debt Balance** | **$122,101,379** | **$111,542,788** | **$173,231,608** |

Draft

## Santa Rosa Division

Note 1: 1% Tax revenue is indexed at 3.5% growth for FY 2026/2027, 3.38% growth FY 2027/2028, 3.25% growth FY 2028/2029, 3.13% growth for FY 2029/2030, then at 3.0% per year thereafter.

Note 2: Ad Valorem revenue is based upon a rate of $0.50 per $100 of land value indexed at 3.0% growth for all years.

Note 3: Fire Service is a property assessment applied to commercial properties related to upsizing capital facilities to meet commercial fire-flow requirements.

Note 4: Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030 and 3.5% per year thereafter.

Note 5: Capital Replacement Surcharge recovered through water rates and charges and utilized to fund capital projects.

Note 6: Proceeds from Pechanga Water Rights Settlement approved by Congress in FY 2016/2017 and appropriated in FY 2025/2026 for reimbursement to the District for certain capital projects and capacity to wheel water.

Note 7: Debt service costs include taxes for CFD 89-5, end in FY 2028/2029.

Note 8: Santa Rosa Division's share of SRRRA facility project costs and Debt service.

Note 9: Amount is to fund increased imported water purchases due to native water pumping reductions , and to fund operating costs for major planned maintenance of capital facilities and software subscriptions.

Note 10: Amount to pay the Santa Rosa Division's share of the CalPER's UAL, projected to end in FY 2044/2045.

Note 11: Repayment of $6.55M loan from Rancho Division for its 31% share of $10.5M additional payment to CalPERS and $10.5M initial contribution to Section 115 trust. Repayment of $2.4M loan from Rancho Division for its 31% share of $7.7M payment to VEBA trust.

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Santa Rosa Division

| Fiscal Year Ending June 30, | 2033 | 2034 | 2035 |
|---|---|---|---|
| Beginning Fund Balance - Unrestricted | $27,932,602 | $29,989,806 | $32,966,313 |
| Beginning Fund Balance - Restricted | $51,477,087 | $38,401,565 | $25,601,043 |
| **Beginning Fund Balance - Total** | **$79,409,689** | **$68,391,371** | **$58,567,356** |
| **Funding Sources** | | | |
| **Taxes & Assessments** | | | |
| 1% General Purpose [1] | $4,968,287 | $5,117,335 | $5,270,855 |
| Ad Valorem Assessments [2] | 13,671,277 | 14,068,448 | 14,477,275 |
| Standby Charges | 2,695,864 | 2,695,864 | 2,695,864 |
| Fire Service Charges [3] | 71,992 | 71,992 | 71,992 |
| **Total Taxes and Assessments** | **$21,407,420** | **$21,953,639** | **$22,515,986** |
| **Other Revenues** | | | |
| Interest Internal Debt Reserve Funds [4] | $977,641 | $1,049,643 | $1,153,821 |
| Capital Replacement Surcharge [5] | 3,304,551 | 3,380,302 | 3,456,128 |
| Other Tier IV Programs | 460,834 | 460,834 | 460,834 |
| Capacity Fees | 478,280 | 492,618 | 507,383 |
| Federal Direct Pay Interest Subsidy | 0 | 0 | 0 |
| Vail Lake Operations | 221,553 | 225,168 | 228,824 |
| Water Rights Settlement [6] | 0 | 0 | 0 |
| Other Miscellaneous | 0 | 0 | 0 |
| **Total Other Revenues** | **$5,442,859** | **$5,608,566** | **$5,806,990** |
| **Non Revenue Cash/Debt Proceeds** | **$0** | **$0** | **$0** |
| **Total Funding Sources** | **$26,850,279** | **$27,562,205** | **$28,322,976** |
| **Funding Uses** | | | |
| **Debt Service and Other Expenses** | | | |
| Debt Service [7] | $14,393,640 | $14,252,317 | $13,154,098 |
| Misc. Bond Fees/Other Expenses | 235,931 | 240,650 | 245,463 |
| SRRRA Capital Cost Share - Tertiary Treatment [8] | 291,591 | 301,640 | 253,280 |
| Transfer to Operating Reserve Fund - Other [9] | 1,411,895 | 1,449,552 | 1,498,038 |
| Transfer to Operating Reserve Fund- PERS & OPEB UAL [10] | 1,164,942 | 1,068,947 | 1,017,296 |
| Interdivisional Loan Payment [11] | 599,864 | 592,601 | 585,338 |
| **Total Debt Service and Other Expenses** | **18,097,863** | **17,905,707** | **16,753,513** |
| **Capital Projects** | | | |
| Capital Acquisition | $1,159,274 | $1,194,052 | $1,229,874 |
| Capital Projects | 18,611,459 | 18,286,459 | 18,286,459 |
| Capital Grant Revenue | 0 | 0 | 0 |
| **Net Capital Projects** | **$19,770,734** | **$19,480,512** | **$19,516,333** |
| **Total Funding Uses** | **$37,868,597** | **$37,386,219** | **$36,269,847** |
| **Net Sources/(Uses)** | **($11,018,318)** | **($9,824,014)** | **($7,946,871)** |
| Ending Fund Balance - Unrestricted | $29,989,806 | $32,966,313 | $37,819,964 |
| Ending Fund Balance - Restricted | $38,401,565 | $25,601,043 | $12,800,522 |
| **Ending Fund Balance - Total** | **$68,391,371** | **$58,567,356** | **$50,620,485** |
| **Projected Debt Balance** | **$165,238,408** | **$157,034,390** | **$149,649,552** |

Draft

## Santa Rosa Division

Note 1: 1% Tax revenue is indexed at 3.5% growth for FY 2026/2027, 3.38% growth FY 2027/2028, 3.25% growth FY 2028/2029, 3.13% growth for FY 2029/2030, then at 3.0% per year thereafter.

Note 2: Ad Valorem revenue is based upon a rate of $0.50 per $100 of land value indexed at 3.0% growth for all years.

Note 3: Fire Service is a property assessment applied to commercial properties related to upsizing capital facilities to meet commercial fire-flow requirements.

Note 4: Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030 and 3.5% per year thereafter.

Note 5: Capital Replacement Surcharge recovered through water rates and charges and utilized to fund capital projects.

Note 6: Proceeds from Pechanga Water Rights Settlement approved by Congress in FY 2016/2017 and appropriated in FY 2025/2026 for reimbursement to the District for certain capital projects and capacity to wheel water.

Note 7: Debt service costs include taxes for CFD 89-5, end in FY 2028/2029.

Note 8: Santa Rosa Division's share of SRRRA facility project costs and Debt service.

Note 9: Amount is to fund increased imported water purchases due to native water pumping reductions , and to fund operating costs for major planned maintenance of capital facilities and software subscriptions.

Note 10: Amount to pay the Santa Rosa Division's share of the CalPER's UAL, projected to end in FY 2044/2045.

Note 11: Repayment of $6.55M loan from Rancho Division for its 31% share of $10.5M additional payment to CalPERS and $10.5M initial contribution to Section 115 trust. Repayment of $2.4M loan from Rancho Division for its 31% share of $7.7M payment to VEBA trust.

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Santa Rosa Division

| Fiscal Year Ending June 30, | 2036 | Totals / Balance |
|---|---|---|
| Beginning Fund Balance - Unrestricted | $37,819,964 | $37,819,964 |
| Beginning Fund Balance - Restricted | $12,800,522 | $12,800,522 |
| **Beginning Fund Balance - Total** | **$50,620,485** | **$50,620,485** |
| **Funding Sources** | | |
| **Taxes & Assessments** | | |
| 1% General Purpose [1] | $5,428,981 | **$47,648,563** |
| Ad Valorem Assessments [2] | 14,898,102 | **131,417,876** |
| Standby Charges | 2,695,864 | **26,958,637** |
| Fire Service Charges [3] | 71,992 | **719,920** |
| **Total Taxes and Assessments** | **$23,094,939** | **$206,744,997** |
| **Other Revenues** | | |
| Interest Internal Debt Reserve Funds [4] | $1,323,699 | **$11,409,411** |
| Capital Replacement Surcharge [5] | 3,532,028 | **30,220,402** |
| Other Tier IV Programs | 460,834 | **4,608,340** |
| Capacity Fees | 522,574 | **4,531,885** |
| Federal Direct Pay Interest Subsidy | 0 | **869,621** |
| Vail Lake Operations | 232,524 | **2,046,848** |
| Water Rights Settlement [6] | 0 | **0** |
| Other Miscellaneous | 0 | **0** |
| **Total Other Revenues** | **$6,071,659** | **$53,686,507** |
| **Non Revenue Cash/Debt Proceeds** | **$0** | **$113,858,912** |
| **Total Funding Sources** | **$29,166,598** | **$260,431,503** |
| **Funding Uses** | | |
| **Debt Service and Other Expenses** | | |
| Debt Service [7] | $14,314,297 | **$141,652,419** |
| Misc. Bond Fees/Other Expenses | 250,372 | **2,293,967** |
| SRRRA Capital Cost Share - Tertiary Treatment [8] | 55,914 | **2,740,179** |
| Transfer to Operating Reserve Fund - Other [9] | 1,547,379 | **14,811,970** |
| Transfer to Operating Reserve Fund- PERS & OPEB UAL [10] | 946,051 | **11,835,848** |
| Interdivisional Loan Payment [11] | 578,075 | **6,836,495** |
| **Total Debt Service and Other Expenses** | **17,692,089** | **180,170,878** |
| **Capital Projects** | | |
| Capital Acquisition | $1,266,770 | **$11,286,606** |
| Capital Projects | 18,286,459 | **213,791,907** |
| Capital Grant Revenue | 0 | **(50,688,935)** |
| **Net Capital Projects** | **$19,553,230** | **$174,389,577** |
| **Total Funding Uses** | **$37,245,318** | **$354,560,456** |
| **Net Sources/(Uses)** | **($8,078,721)** | **($94,128,952)** |
| Ending Fund Balance - Unrestricted | $42,541,765 | $42,541,765 |
| Ending Fund Balance - Restricted | $0 | $0 |
| **Ending Fund Balance - Total** | **$42,541,765** | **$42,541,765** |
| **Projected Debt Balance** | **$140,786,378** | **$140,786,378** |

Draft

## Santa Rosa Division

Note 1: 1% Tax revenue is indexed at 3.5% growth for FY 2026/2027, 3.38% growth FY 2027/2028, 3.25% growth FY 2028/2029, 3.13% growth for FY 2029/2030, then at 3.0% per year thereafter.

Note 2: Ad Valorem revenue is based upon a rate of $0.50 per $100 of land value indexed at 3.0% growth for all years.

Note 3: Fire Service is a property assessment applied to commercial properties related to upsizing capital facilities to meet commercial fire-flow requirements.

Note 4: Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030 and 3.5% per year thereafter.

Note 5: Capital Replacement Surcharge recovered through water rates and charges and utilized to fund capital projects.

Note 6: Proceeds from Pechanga Water Rights Settlement approved by Congress in FY 2016/2017 and appropriated in FY 2025/2026 for reimbursement to the District for certain capital projects and capacity to wheel water.

Note 7: Debt service costs include taxes for CFD 89-5, end in FY 2028/2029.

Note 8: Santa Rosa Division's share of SRRRA facility project costs and Debt service.

Note 9: Amount is to fund increased imported water purchases due to native water pumping reductions , and to fund operating costs for major planned maintenance of capital facilities and software subscriptions.

Note 10: Amount to pay the Santa Rosa Division's share of the CalPER's UAL, projected to end in FY 2044/2045.

Note 11: Repayment of $6.55M loan from Rancho Division for its 31% share of $10.5M additional payment to CalPERS and $10.5M initial contribution to Section 115 trust. Repayment of $2.4M loan from Rancho Division for its 31% share of $7.7M payment to VEBA trust.

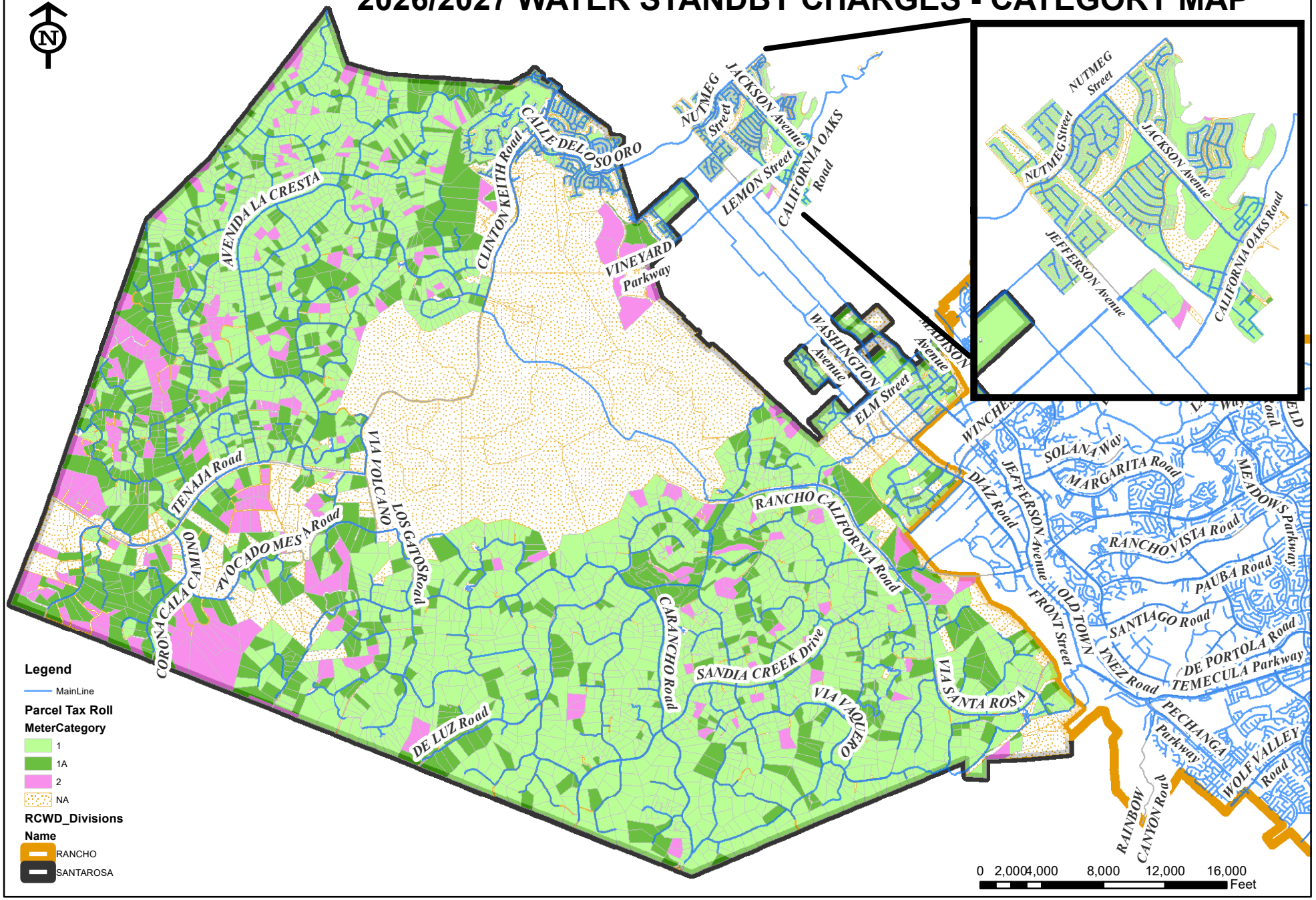
# Exhibit “B”

## Standby Charge

## Determination Map

Draft

# 2026/2027 WATER STANDBY CHARGES - CATEGORY MAP



# Exhibit “C”

## Consolidated Non-Operating Budget Summary

Draft

# Rancho California Water District
# Consolidated Non-Operating Budget
# For Fiscal Year 2026/2027

| Revenue | Combined Total | Rancho Division | Santa Rosa Division | SRWRF |
|---|---|---|---|---|
| AV Assessments | $34,881,499 | $23,364,999 | $11,516,500 | $0 |
| 1% Assessments | 26,432,470 | 22,301,753 | 4,130,717 | 0 |
| Standby Assessments | 2,726,393 | 0 | 2,695,864 | 30,529 |
| Interest Revenue | 11,583,168 | 9,845,326 | 1,497,520 | 240,323 |
| Federal Direct Pay Interest Subsidy | 340,093 | 59,689 | 280,404 | 0 |
| Capacity Fee | 4,842,191 | 4,243,835 | 198,486 | 399,870 |
| Connection Fee Contra | (4,842,191) | (4,243,835) | (198,486) | (399,870) |
| Fire Service Charge | 264,410 | 192,418 | 71,992 | 0 |
| Debt Service Surcharge | 1,839,301 | **0** | 0 | 1,839,301 |
| Capital Replacement Surcharge | 3,076,579 | 0 | 2,285,469 | 791,109 |
| Vail Lake Operations | 502,673 | 351,871 | 150,802 | 0 |
| Other Tier IV Programs | 1,382,501 | 921,667 | 460,834 | 0 |
| Capital Grants | 9,901,266 | 1,913,203 | 7,988,063 | 0 |
| Pechanga Water Rights Settlement | 0 | 0 | 0 | 0 |
| Interdivisional Loan Interest | 492,058 | 492,058 | 0 | 0 |
| ***Total Non-Operating Revenue*** | **$93,422,410** | **$59,442,984** | **$31,078,164** | **$2,901,262** |

| Expenditures | Combined Total | Rancho Division | Santa Rosa Division | SRWRF |
|---|---|---|---|---|
| Depreciation & Amortization | $23,477,348 | $13,137,355 | $9,804,799 | $535,194 |
| Bond Discount Amortization | (498,769) | (67,531) | (303,471) | (127,767) |
| Reclass Operating Interest | 1,907,116 | 1,117,662 | 699,107 | 90,347 |
| Reclass to Operations - Other | 13,209,521 | 11,075,490 | 2,134,031 | 0 |
| Reclass to Operations - PERS UAL Payment | 4,011,960 | 2,227,368 | 1,140,283 | 644,309 |
| CFD Assessment | 877,602 | 614,322 | 263,281 | 0 |
| Bond Interest | 9,242,668 | 3,175,882 | 5,970,924 | 95,862 |
| Interdivisional Loan Interest | 492,058 | 0 | 469,444 | 22,614 |
| Groundwater Basin Replenishment | 0 | 0 | 0 | 0 |
| Capital Facilities/Debt Contribution to JPA | 3,309,211 | 447,810 | 115,013 | 2,746,389 |
| Investment Management Expense | 180,000 | 141,000 | 32,000 | 7,000 |
| Other Non Op Bond Expense | 430,800 | 251,800 | 177,500 | 1,500 |
| ***Total Non-Operating Expenditures*** | **$56,639,516** | **$32,121,158** | **$20,502,910** | **$4,015,448** |

| | | | | |
|---|---|---|---|---|
| ***Net Non-Operating Revenue*** | **$36,782,894** | **$27,321,826** | **$10,575,254** | **($1,114,186)** |

| Adjustments to Cash Basis | Combined Total | Rancho Division | Santa Rosa Division | SRWRF |
|---|---|---|---|---|
| Add: | | | | |
| Depreciation & Amortization | $23,477,348 | $13,137,355 | $9,804,799 | $535,194 |
| Bond Discount Amortization | (498,769) | (67,531) | (303,471) | (127,767) |
| Connection Fees | 4,842,191 | 4,243,835 | 198,486 | 399,870 |
| Reimbursement from Debt Financing | 34,005,146 | 0 | 34,005,146 | 0 |
| Interdivisional Loan Principal | 359,335 | 359,335 | **0** | 0 |
| Less: | | | | |
| Capital Improvement Projects | ($61,657,315) | ($36,643,594) | ($24,365,937) | ($647,784) |
| Capital Acquisition Items | (2,255,000) | (1,127,500) | (1,127,500) | 0 |
| Debt Principal | ($9,942,466) | ($3,676,894) | ($5,924,392) | ($341,180) |
| Interdivisional Loan Principal | (359,335) | 0 | (313,969) | (45,366) |
| ***Net Cash Adjustment*** | **($12,028,864)** | **($23,774,994)** | **$11,973,162** | **($227,032)** |

| | | | | |
|---|---|---|---|---|
| ***Net Non-Operating Cash Sources/(Uses)*** | **$24,754,030** | **$3,546,832** | **$22,548,416** | **($1,341,218)** |

Draft

# Exhibit “D”

## Santa Rosa Water Reclamation Facility Division

## Long-Range Financial Plan

Draft

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Santa Rosa Water Reclamation Facility

| Fiscal Year Ending June 30, | 2027 | 2028 | 2029 |
|---|---|---|---|
| **Beginning Fund Balance** | **$4,285,011** | **$3,034,140** | **$1,812,980** |
| **Funding Sources** | | | |
| Capacity Fee's [1] | $399,870 | $413,666 | $427,316 |
| Standby Charges | 30,529 | 29,613 | 28,725 |
| Interest Internal Debt Reserve Funds [2] | 240,323 | 103,161 | 59,828 |
| Capital Replacement Surcharge [3] | 791,109 | 939,963 | 1,088,968 |
| Debt Service Surcharge [4] | 1,839,301 | 1,860,633 | 1,855,005 |
| **Total Funding Sources** | **$3,301,132** | **$3,347,036** | **$3,459,843** |
| **Funding Uses** | | | |
| Debt Service [5] | $437,042 | $426,789 | $421,407 |
| SRRRA Debt Service and SRF Loan Share [6] | 1,859,965 | 1,849,691 | 1,842,895 |
| SRRRA Pay-Go Capital Cost Share [7] | 886,423 | 721,353 | 348,978 |
| Transfer to Operating Reserve Fund - PERS & OPEB UAL [8] | 644,309 | 688,912 | 766,897 |
| Interdivisional Loan Payment [9] | 67,980 | 67,980 | 67,980 |
| Misc. Bond Fees/Other Expenses | 8,500 | 8,670 | 8,843 |
| Pay-Go Capital | 647,784 | 804,800 | 812,300 |
| **Total Funding Uses** | **$4,552,003** | **$4,568,195** | **$4,269,301** |
| **Net Sources/(Uses)** | **($1,250,871)** | **($1,221,159)** | **($809,458)** |
| **Ending Fund Balance** | **$3,034,140** | **$1,812,980** | **$1,003,523** |
| **Projected Debt Balance** | **$22,055,625** | **$20,702,014** | **$18,978,597** |

Draft

**Santa Rosa Water Reclamation Facility**

| | |
|---|---|
| Note 1: | From EDU absorption calculations, future capacity fee growth based on the ENR CCI. Fee indexed at 3.6% for FY 2026/2027, 3.45% for FY 2027/2028, 3.3% for FY 2028/2029, 3.15% for FY 2029/2030, and 3.0% per year thereafter. |
| Note 2: | Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030, and 3.5% per year thereafter. |
| Note 3: | Monthly surcharge for Capital Replacement - $7.81 per EDU per month in FY 2026/2027, $9.25 in FY 2027/2028, $10.68 in FY 2028/2029, $10.50 in FY 2029/2030, and $8.00 thereafter. |
| Note 4: | Monthly surcharge for Debt Service $18.17 per EDU per month for FY 2026/2027, $18.31 in FY 2027/2028, $18.19 in FY 2028/2029, and $20.00 thereafter. |
| Note 5: | Does not include Rancho Water's portion of SRWRF Debt assumed by SRRRA JPA in FY 2017/2018. |
| Note 6: | Rancho Water's share of SRRRA's debt service for the plant acquisition and rehabilitation. |
| Note 7: | Rancho Water's share of SRRRA's Pay-Go Capital cost for capital improvement projects. |
| Note 8: | Amount to pay the SRWRF Division's share of the CalPER's UAL, projected to end in FY 2044/2045. |
| Note 9: | Repayment of $1.4M loan from Rancho Division for its 18% share of $7.7M payment to VEBA trust. |

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Santa Rosa Water Reclamation Facility

| Fiscal Year Ending June 30, | 2030 | 2031 | 2032 |
|---|---|---|---|
| **Beginning Fund Balance** | **$1,003,523** | **$1,745,721** | **$2,888,833** |
| **Funding Sources** | | | |
| Capacity Fee's [1] | $1,395,794 | $1,437,667 | $1,480,797 |
| Standby Charges | 27,863 | 27,027 | 26,217 |
| Interest Internal Debt Reserve Funds [2] | 34,120 | 61,100 | 101,109 |
| Capital Replacement Surcharge [3] | 1,082,490 | 833,874 | 842,994 |
| Debt Service Surcharge [4] | 2,061,886 | 2,084,686 | 2,107,486 |
| **Total Funding Sources** | **$4,602,152** | **$4,444,355** | **$4,558,603** |
| **Funding Uses** | | | |
| Debt Service [5] | $415,902 | $503,145 | $497,989 |
| SRRRA Debt Service and SRF Loan Share [6] | 1,724,666 | 1,733,921 | 2,010,367 |
| SRRRA Pay-Go Capital Cost Share [7] | 317,688 | 85,313 | 59,933 |
| Transfer to Operating Reserve Fund - PERS & OPEB UAL [8] | 770,630 | 771,079 | 674,318 |
| Interdivisional Loan Payment [9] | 67,980 | 67,980 | 67,980 |
| Misc. Bond Fees/Other Expenses | 9,020 | 9,201 | 9,385 |
| Pay-Go Capital | 554,068 | 130,605 | 215,456 |
| **Total Funding Uses** | **$3,859,954** | **$3,301,243** | **$3,535,429** |
| **Net Sources/(Uses)** | **$742,199** | **$1,143,112** | **$1,023,174** |
| **Ending Fund Balance** | **$1,745,721** | **$2,888,833** | **$3,912,008** |
| **Projected Debt Balance** | **$17,317,165** | **$15,601,037** | **$13,555,536** |

Draft

**Santa Rosa Water Reclamation Facility**

| | |
|---|---|
| Note 1: | From EDU absorption calculations, future capacity fee growth based on the ENR CCI. Fee indexed at 3.6% for FY 2026/2027, 3.45% for FY 2027/2028, 3.3% for FY 2028/2029, 3.15% for FY 2029/2030, and 3.0% per year thereafter. |
| Note 2: | Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030, and 3.5% per year thereafter. |
| Note 3: | Monthly surcharge for Capital Replacement - $7.81 per EDU per month in FY 2026/2027, $9.25 in FY 2027/2028, $10.68 in FY 2028/2029, $10.50 in FY 2029/2030, and $8.00 thereafter. |
| Note 4: | Monthly surcharge for Debt Service $18.17 per EDU per month for FY 2026/2027, $18.31 in FY 2027/2028, $18.19 in FY 2028/2029, and $20.00 thereafter. |
| Note 5: | Does not include Rancho Water's portion of SRWRF Debt assumed by SRRRA JPA in FY 2017/2018. |
| Note 6: | Rancho Water's share of SRRRA's debt service for the plant acquisition and rehabilitation. |
| Note 7: | Rancho Water's share of SRRRA's Pay-Go Capital cost for capital improvement projects. |
| Note 8: | Amount to pay the SRWRF Division's share of the CalPER's UAL, projected to end in FY 2044/2045. |
| Note 9: | Repayment of $1.4M loan from Rancho Division for its 18% share of $7.7M payment to VEBA trust. |

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Santa Rosa Water Reclamation Facility

| Fiscal Year Ending June 30, | 2033 | 2034 | 2035 |
|---|---|---|---|
| **Beginning Fund Balance** | **$3,912,008** | **$4,983,159** | **$5,793,703** |
| **Funding Sources** | | | |
| Capacity Fee's [1] | $1,051,600 | $1,083,148 | $1,115,642 |
| Standby Charges | 25,430 | 24,667 | 23,927 |
| Interest Internal Debt Reserve Funds [2] | 136,920 | 174,411 | 202,780 |
| Capital Replacement Surcharge [3] | 849,282 | 855,570 | 861,858 |
| Debt Service Surcharge [4] | 2,123,206 | 2,138,926 | 2,154,646 |
| **Total Funding Sources** | **$4,186,438** | **$4,276,722** | **$4,358,853** |
| **Funding Uses** | | | |
| Debt Service [5] | $69,153 | $67,618 | $48,352 |
| SRRRA Debt Service and SRF Loan Share [6] | 2,048,330 | 2,453,240 | 523,989 |
| SRRRA Pay-Go Capital Cost Share [7] | 58,377 | 59,247 | 60,142 |
| Transfer to Operating Reserve Fund - PERS & OPEB UAL [8] | 658,243 | 604,001 | 574,816 |
| Interdivisional Loan Payment [9] | 67,980 | 67,980 | 67,980 |
| Misc. Bond Fees/Other Expenses | 9,572 | 9,764 | 9,959 |
| Pay-Go Capital | 203,632 | 204,327 | 205,044 |
| **Total Funding Uses** | **$3,115,287** | **$3,466,177** | **$1,490,283** |
| **Net Sources/(Uses)** | **$1,071,151** | **$810,545** | **$2,868,570** |
| **Ending Fund Balance** | **$4,983,159** | **$5,793,703** | **$8,662,274** |
| **Projected Debt Balance** | **$11,405,164** | **$8,696,880** | **$7,839,829** |

Draft

**Santa Rosa Water Reclamation Facility**

| | |
|---|---|
| Note 1: | From EDU absorption calculations, future capacity fee growth based on the ENR CCI. Fee indexed at 3.6% for FY 2026/2027, 3.45% for FY 2027/2028, 3.3% for FY 2028/2029, 3.15% for FY 2029/2030, and 3.0% per year thereafter. |
| Note 2: | Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030, and 3.5% per year thereafter. |
| Note 3: | Monthly surcharge for Capital Replacement - $7.81 per EDU per month in FY 2026/2027, $9.25 in FY 2027/2028, $10.68 in FY 2028/2029, $10.50 in FY 2029/2030, and $8.00 thereafter. |
| Note 4: | Monthly surcharge for Debt Service $18.17 per EDU per month for FY 2026/2027, $18.31 in FY 2027/2028, $18.19 in FY 2028/2029, and $20.00 thereafter. |
| Note 5: | Does not include Rancho Water's portion of SRWRF Debt assumed by SRRRA JPA in FY 2017/2018. |
| Note 6: | Rancho Water's share of SRRRA's debt service for the plant acquisition and rehabilitation. |
| Note 7: | Rancho Water's share of SRRRA's Pay-Go Capital cost for capital improvement projects. |
| Note 8: | Amount to pay the SRWRF Division's share of the CalPER's UAL, projected to end in FY 2044/2045. |
| Note 9: | Repayment of $1.4M loan from Rancho Division for its 18% share of $7.7M payment to VEBA trust. |

Rancho Water

# Fiscal Year 2026/2027 Non-Operating Budget

## LRFP – Santa Rosa Water Reclamation Facility

| Fiscal Year Ending June 30, | 2036 | Totals / Balance |
|---|---|---|
| **Beginning Fund Balance** | **$8,662,274** | **$8,662,274** |
| | | |
| **Funding Sources** | | |
| Capacity Fee's [1] | $1,149,112 | **$9,954,613** |
| Standby Charges | 23,209 | **267,209** |
| Interest Internal Debt Reserve Funds [2] | 303,180 | **1,416,931** |
| Capital Replacement Surcharge [3] | 868,146 | **9,014,256** |
| Debt Service Surcharge [4] | 2,017,841 | **20,243,613** |
| **Total Funding Sources** | **$4,361,488** | **$40,896,622** |
| | | |
| **Funding Uses** | | |
| Debt Service [5] | $10,909 | **$2,898,307** |
| SRRRA Debt Service and SRF Loan Share [6] | 523,989 | **16,571,055** |
| SRRRA Pay-Go Capital Cost Share [7] | 61,064 | **2,658,518** |
| Transfer to Operating Reserve Fund - PERS & OPEB UAL [8] | 534,560 | **6,687,765** |
| Interdivisional Loan Payment [9] | 67,980 | **679,800** |
| Misc. Bond Fees/Other Expenses | 10,158 | **93,073** |
| Pay-Go Capital | 205,782 | **3,983,797** |
| **Total Funding Uses** | **$1,414,442** | **$33,572,314** |
| | | |
| **Net Sources/(Uses)** | **$2,947,046** | **$7,324,308** |
| | | |
| **Ending Fund Balance** | **$11,609,319** | **$11,609,319** |
| | | |
| **Projected Debt Balance** | **$7,392,796** | **$7,392,796** |

Draft

**Santa Rosa Water Reclamation Facility**

| | |
|---|---|
| Note 1: | From EDU absorption calculations, future capacity fee growth based on the ENR CCI. Fee indexed at 3.6% for FY 2026/2027, 3.45% for FY 2027/2028, 3.3% for FY 2028/2029, 3.15% for FY 2029/2030, and 3.0% per year thereafter. |
| Note 2: | Projected investment earnings are calculated at 3.5% for FY 2026/2027, 3.4% for FY 2027/2028, 3.3% for FY 2028/2029, 3.4% for FY 2029/2030, and 3.5% per year thereafter. |
| Note 3: | Monthly surcharge for Capital Replacement - $7.81 per EDU per month in FY 2026/2027, $9.25 in FY 2027/2028, $10.68 in FY 2028/2029, $10.50 in FY 2029/2030, and $8.00 thereafter. |
| Note 4: | Monthly surcharge for Debt Service $18.17 per EDU per month for FY 2026/2027, $18.31 in FY 2027/2028, $18.19 in FY 2028/2029, and $20.00 thereafter. |
| Note 5: | Does not include Rancho Water's portion of SRWRF Debt assumed by SRRRA JPA in FY 2017/2018. |
| Note 6: | Rancho Water's share of SRRRA's debt service for the plant acquisition and rehabilitation. |
| Note 7: | Rancho Water's share of SRRRA's Pay-Go Capital cost for capital improvement projects. |
| Note 8: | Amount to pay the SRWRF Division's share of the CalPER's UAL, projected to end in FY 2044/2045. |
| Note 9: | Repayment of $1.4M loan from Rancho Division for its 18% share of $7.7M payment to VEBA trust. |

Rancho Water

COMMITTEE ACTION

# ENGINEERING AND OPERATIONS COMMITTEE

March 26, 2026

**ITEM 1.C:** **Review and Consider Approval of a Task Order with Hazen and Sawyer in the Amount of $236,055, and Additional Funding in the Amount of $65,000, increasing the Project Budget of $250,000 to $315,000 for the Butterfield Stage Road Pump Station Natural Gas [Project No. D2603]**

## RESPONSIBLE/LEAD STAFF MEMBER(S):

Nik Lyuber, Director of Engineering

## RECOMMENDATIONS:

Staff requests the Engineering and Operations Committee (Committee) recommend the Board of Directors (Board) approve a Task Order with Hazen and Sawyer (Hazen) in the amount of $236,055 and additional funding in the amount of $65,000, increasing the previously authorized budget of $250,000 to $315,000 for the Butterfield Stage Road Pump Station Natural Gas Engine Conversion Feasibility Analysis [Project No. D2603].

## DISCUSSION:

The Butterfield Stage Road Pump Station is located within the Rancho Division at the southeasterly corner of the intersection of Temecula Parkway (Highway 79 South) and Butterfield Stage Road. The facility currently consists of six (6) 300–400 horsepower vertical turbine pumps with a combined capacity of approximately 17,400 Gallons Per Minute (GPM). The station serves approximately 14,480 service connections and an estimated population of 56,000 residents within the Redhawk, Vail Ranch, and surrounding communities.

Given the scale and critical importance of this facility to the regional water distribution system, a project was added to the Capital Improvement Program (CIP) for Fiscal Year 2025/2026 to investigate opportunities to improve its reliability, redundancy, and operational efficiency. The concept under consideration involves replacing two (2) of the existing electrically driven vertical turbine pumps with a single natural gas–driven centrifugal pump of equivalent capacity.

Potential benefits of this configuration include improved operational redundancy during electrical outages, reduced energy costs by using natural gas rather than electricity under Time-of-Use rate structures, and improved fire flow reliability by eliminating downtime to mobilize generators.

Prior to committing to a full design and construction effort, staff intends to conduct a focused feasibility and risk evaluation study. The purpose of this effort is to identify potential constraints, risks, or regulatory limitations that could affect the viability of the concept from operational, environmental, permitting, or economic perspectives.

The scope of work will include preparing a technical study evaluating the primary factors influencing project feasibility, including constructability, regulatory compliance, environmental considerations, and overall cost-effectiveness. The study will also include preliminary engineering evaluations of the existing pump station infrastructure, potential requirements for integrating natural gas engines, operational performance considerations, and economic impacts.

The findings of this study will be used both to determine whether the concept should advance and to establish a preliminary engineering framework that will guide the subsequent full-scale design should the project move forward.

On January 15, 2026, a Request for Proposals (RFP) was issued to firms on the District's 2025/2027 On-Call Biennial List, with two responses received from the following firms, with their associated costs.

| Firm | Total Cost |
|---|---|
| Hazen and Sawyer | $236,055 |
| Wood Rodgers | $186,479 |

Proposals were evaluated based on understanding of project requirements, technical approach, cost rationality, and relevant experience.

Staff determined that Hazen is the most qualified firm to meet the project's objectives and priorities. Their proposed team possesses the most relevant experience with comparable projects involving alternative fuel systems. Most notably, they have direct experience entitling projects of this nature with the South Coast Air Quality Management District (AQMD) and demonstrate a strong understanding of the sensitivities and challenges associated with permitting internal combustion–driven equipment in today's regulatory environment.

Their experience also includes successfully negotiating terms with Southern California Edison to ensure charge offsets are structured in the most advantageous manner for the District. In addition, their proposal emphasized evaluating the overall cost–benefit of the project by considering not only potential utility cost savings but also the added value of redundancy and system reliability provided by alternative power sources.

Furthermore, their proposal clearly recognized the importance of evaluating and qualifying these factors early in the process, identifying them as critical considerations in determining whether the project should proceed.

**ALTERNATIVES:**

Hazen proposed an optional task in the amount of $41,880 to investigate other alternatives, such as utilizing linear style generators and energy storage. Staff does not recommend including the optional task as these and similar ideas have been evaluated previously, proving to be non-advantageous for a variety of reasons.

**FISCAL ANALYSIS:**

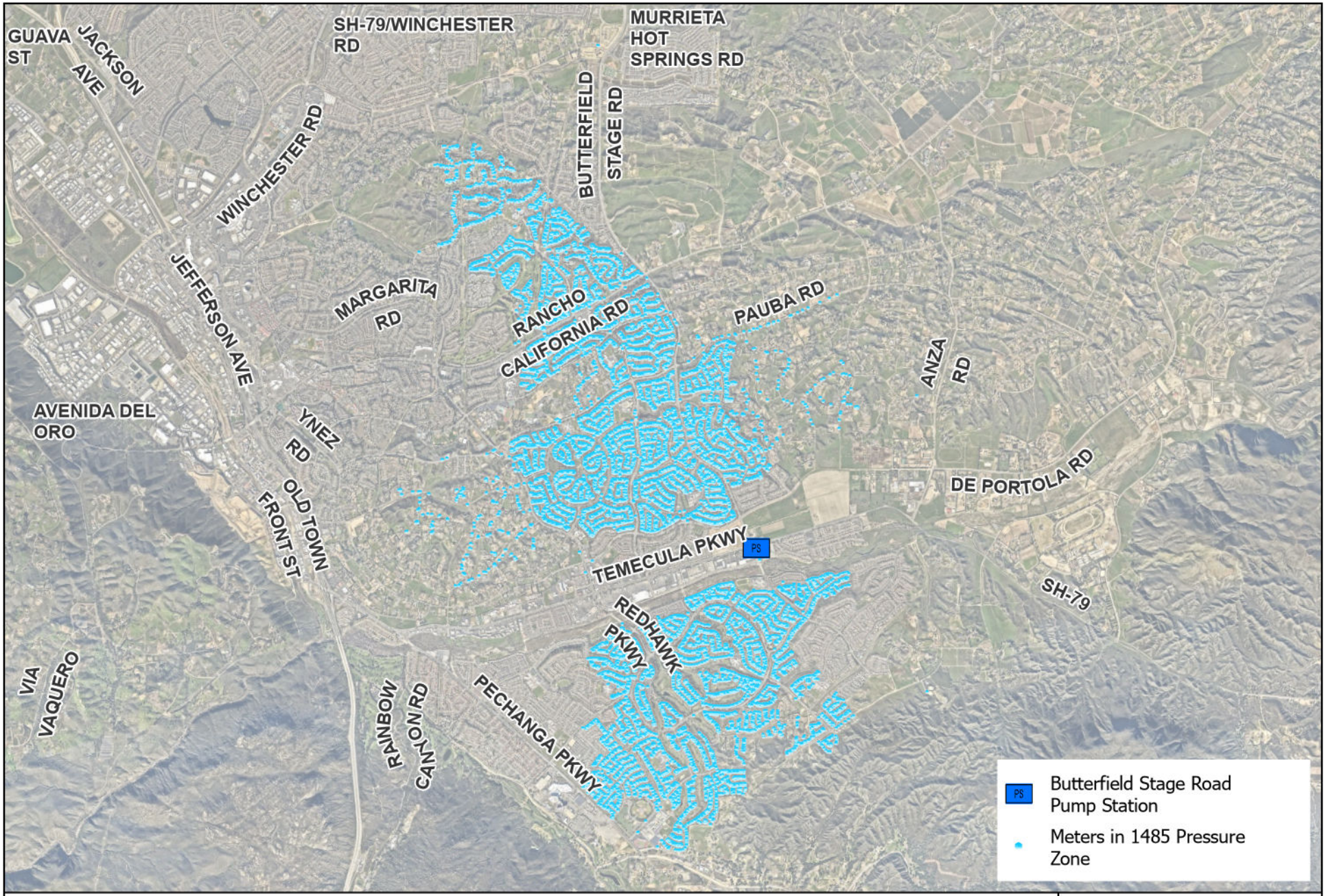
Funding for project D2603 in the amount of $250,000 was previously approved in the Fiscal Year 2025/2026 CIP Budget for the feasibility analysis. Staff is requesting additional funding of $65,000 for a total project budget of $315,000.

**ENVIRONMENTAL REQUIREMENTS:**

Hazen's scope includes evaluating applicable requirements and providing recommendations to ensure the project satisfies CEQA once all potential impacts have been identified through this study. The level of CEQA review will also be a factor in project consideration, depending on the complexity and extent of required compliance. If the project moves forward, full CEQA compliance will be incorporated into the overall design effort.

**EXHIBITS/ATTACHMENTS:**

1. Project Location Map
2. Project Cost Summary
3. Request for Proposals
4. Proposal - Hazen & Sawyer
5. Proposal - Wood Rodgers




# Butterfield Stage Road Pump Station

| Primary | Service Type | Budgeted Cost | Cost to Date | Projected Budget Adjustment | Proposed Budget |
|---|---|---|---|---|---|
| **D2603 - Butterfield Stage PS Natural Gas Driver (Feasibility and Preliminary Design)** | | **$250,000** | **$343** | **$16,055** | Rancho Water WORKING FOR OUR COMMUNITY |
| **Project Cost Summary** | | **Current Budget** | **Cost To Date 03/12/26** | **Proposed Amendment** | **Proposed Budget** |
| **RCWD Expenses - Totals** | | **$30,000** | **$343** | **$0** | **$30,000** |
| RCWD Labor | | $30,000 | $343 | $0 | $30,000 |
| **Design Phase - Totals** | | **$220,000** | **$0** | **$16,055** | **$236,055** |
| **Professional Services (Consultants)** | | | | | |
| Hazen and Sawyer | Feasibility Study | $220,000 | $0 | $16,055 | $236,055 |
| | | | | | |
| **New Contingency (Proposed Amendments)** | **$48,945** | | | | |
| **Additional Project Budget Needed** | **$65,000** | | | | |
| **New Project Budget (Pending Approval)** | **$315,000** | | | | |

**REQUEST FOR PROPOSALS**

**JANUARY 15, 2026**

**BUTTERFIELD STAGE ROAD PUMP STATION NATURAL GAS ENGINE CONVERSION**
**[PROJECT NO. D2603]**

## GENERAL PROVISIONS

### GENERAL

Rancho California Water District (Rancho Water/District) is seeking qualified Consultants to submit short-form proposals to produce a comprehensive feasibility study for the subject Project. **All questions regarding this Request for Proposals (RFP) shall be submitted via the District's bid management system (PlanetBids) prior to 4:00 p.m. local time on Tuesday, January 27, 2026.**

**To be considered, proposals must be received via PlanetBids prior to 4:00 p.m. local time on Friday, February 13, 2026.**

Consultant's short-form proposal shall consist of one (1) electronic copy (PDF) provided to the District via PlanetBids. Upon receipt, the proposals will be reviewed and evaluated by Rancho Water based on the following line of questioning:

- Does Consultant's proposal demonstrate a complete understanding of the work?
- Does Consultant's proposal demonstrate experience with this type of project?
- Is Consultant's approach to the project presented clearly and orderly to meet the stated scope of the project?
- Does the proposed Scope of Work provide a complete body of work and an adequate level of effort by Consultant to deliver a professional product meeting the stated scope of the project?
- Does Consultant's proposal provide the most value and/or any added value to the District for this project?

Generally, the costs of Rancho Water projects are fixed by an established budget and/or previously authorized amount; therefore, the not-to-exceed fee quoted in the proposal shall be considered the amount to be used as the basis for Task Order formation. Enclosed for Consultant's reference is a copy of Rancho Water's Task Order for On-Call Biennial Professional Consulting Services. No deviations from this Task Order form will be considered.

This request does not commit Rancho Water to retain any Consultants, pay costs incurred in the preparation of proposals, or proceed with the Project. Rancho Water reserves the right to reject any or all proposals, negotiate with any qualified applicant, and appoint more than one firm to provide services on given portions of the project.

Proposals (including accompanying materials) will become the property of Rancho Water. Proposals will be held in confidence to the extent permitted by law. After the award of a Task Order or rejection of all proposals, the proposals will become public records subject to disclosure under the California Public Records Act (Government Code Section 6250 et seq.).

Rancho Water reserves the right to request additional information from prospective Consultants prior to final selection and to consider information about a Consultant other than that submitted in the proposal or interview. Rancho Water may select for negotiations the Consultant that, in Rancho Water's judgment, will best meet the project's needs, regardless of the comparison of fees and costs estimated by the Consultants.

After approval to award, all Consultants who submitted proposals will be notified of Consultant selected for the subject project.



Rancho Water
42135 Winchester Road
Temecula, California
92590-4800

**REQUEST FOR PROPOSALS**

**JANUARY 15, 2026**

**BUTTERFIELD STAGE ROAD PUMP STATION NATURAL GAS ENGINE CONVERSION**
**[PROJECT NO. D2603]**

**TECHNICAL PROVISIONS**

## PROJECT BACKGROUND

Rancho Water is located approximately eighty-five (85) miles southeast of Los Angeles and sixty-five (65) miles north of San Diego, and its current service area is bounded on the southeast by the Santa Ana Mountains and on the northeast by Gavilan Hills. The District includes the city of Temecula, portions of the city of Murrieta, and unincorporated areas of Riverside County.




The District is comprised of two (2) divisions: the Rancho Division, consisting of approximately 48,609 acres, and the Santa Rosa Division, consisting of approximately 50,547 acres, for a total of 99,156 acres.




The District currently obtains its water supplies from the following primary water sources: 1) local groundwater from the Temecula Valley Groundwater Basin; 2) imported water from the Metropolitan Water District of Southern California (MWD) via Eastern Municipal Water District (EMWD) and Western Municipal Water District (WMWD); and 3) recycled water from both the District and EMWD. Historically, groundwater has supplied between 25 percent and 40 percent of the District's total water supply, while imported water has supplied between 60 percent and 70 percent. In Fiscal Year 2018/2019, recycled water comprised approximately 6% of the District's water supply portfolio.

The Butterfield Stage Road Pump Station (BSRPS) is located within the District's Rancho Division at the southeasterly corner of the intersection of Temecula Parkway (Highway 79) and Butterfield Stage Road. The BSRPS lifts water from the District's 1305 (base) Pressure Zone to the 1485 Pressure Zone using a maximum of six vertical turbine pumps at a rated capacity of 17,400 gallons per minute (gpm).



Rancho Water
42135 Winchester Road
Temecula, California
92590-4800

**PROJECT GOAL**

- To assess the technical and economic feasibility of integrating natural gas engines into the existing pump station infrastructure
- To evaluate the environmental benefits and potential drawbacks associated with utilizing natural gas engines, including greenhouse gas emissions, air quality impacts, heat, noise, and vibration
- To conduct a thorough cost-benefit analysis, considering initial investment, operational expenses (fuel, maintenance), and potential cost savings compared to the current electric motor technology
- To analyze the availability of natural gas supply, infrastructure requirements, and regulatory compliance associated with implementing natural gas engines at the pump station

**SCOPE OF WORK**

Rancho Water is seeking qualified firms to submit proposals for conducting a comprehensive feasibility study on the potential for utilizing a single-stage, double-suction, split-case centrifugal pump operating in conjunction with a dedicated natural gas engine at the BSRPS. The general intent of the Project is to remove two (2) existing pump cans (Units 1 and 2 - see attached Sheet 18 of Drawing PS-6) along with an associated vertical turbine pump, motor, piping, and wiring, respectively, for each can. Tentatively, the pump cans are to be replaced with a single-stage, double-suction, split-case centrifugal pump operating in conjunction with a dedicated natural gas engine.

*Based on staff's preliminary analysis, the pump should be capable of delivering approximately 8,000 gpm at a total head of 215 feet when operating in conjunction with a 600-horsepower (hp) natural gas engine operating at between 1200 – 1800 revolutions per minute (rpm) – see attachments.*

The feasibility analysis should also address any recommended alterations to existing wiring, piping, instrumentation, and ventilation to accommodate the pump conversion and associated natural gas engine. Lastly, the feasibility analysis should seek to minimize structural changes to the existing pump room building.

While specific tasks that must be included in the feasibility analysis are presented below, the District seeks to draw on the consultant's experience to make additional recommendations in meeting the ultimate goals of the feasibility analysis. Accordingly, the District is encouraging the inclusion of any optional tasks that would further enhance the feasibility analysis.



Rancho Water
42135 Winchester Road
Temecula, California
92590-4800

***Task 1: Technical Feasibility***

- Review of existing pump station infrastructure, including mechanical and electrical systems, and identification of necessary modifications for natural gas engine integration
- Evaluation of available natural gas engine technologies suitable for water pump applications, including performance characteristics, fuel consumption, and emissions data
- Assessment of infrastructure requirements for natural gas supply, including pipeline connections, pressure regulation, and safety measures
- Detailed engineering assessment of engine sizing, pump performance, and potential for energy efficiency improvements

***Task 2: Economic Analysis***

- Cost estimation for natural gas engine purchase, installation, and modification of existing infrastructure
- Analysis of fuel costs (natural gas vs. current fuel source) and projected operational cost savings over a 5-year and 10-year horizon
- Evaluation of potential incentives or funding opportunities for natural gas engine conversion
- Break-even analysis and return on investment (ROI) calculations for different scenarios

***Task 3: Environmental and Regulatory Considerations***

- Conceptual assessment of potential greenhouse gas emission reductions and air quality improvements compared to existing engine technology
- Evaluation of noise, vibration, and heat impacts from natural gas engines and development of mitigation strategies
- Identification of applicable environmental regulations and permitting requirements (local, state, federal)
- Assessment of potential community health impacts related to compressor station emissions, if applicable
- Analysis and recommendation to satisfy CEQA.



Rancho Water
42135 Winchester Road
Temecula, California
92590-4800

***Task 4: Project Management and Administration***

Within two (2) weeks of awarding an agreement, Consultant shall submit an updated project schedule to the District for review. The schedule should show the tasks and activities required to complete the work, the level of effort (in labor hours) planned for each task and subtask, and identify dependencies and key milestones.

Consultant shall prepare and submit a concise monthly status report with the monthly invoice statement that includes:

- A summary of work progress/items complete for all work tasks;
- A summary of expenditures by task showing total budget, billing to date, current billing, remaining amount, and percent complete; and
- An updated progress schedule using a Gantt-type format.

Consultant shall implement and conduct a quality control plan to check and verify the completeness of all work products and deliverables prior to submittal to the District. The documentation of the quality control plan and related materials for its execution shall be maintained by Consultant and delivered to the District upon request. Consultant is responsible for reviewing all data provided by the District and should budget accordingly.

Consultant shall coordinate the scheduling of all meetings and prepare meeting agendas and minutes for all meetings with the District. The following meetings are anticipated for a project of this type and magnitude (if additional meetings are required, Consultant shall include such meetings in the project proposal):

- Project Kickoff Meeting
- Document Overview
- Technical Feasibility Review
- Economic Analysis Review
- Environmental and Regulatory Considerations Review
- Deliverables Review
- Draft Presentation of the BSRPS Feasibility Analysis for Natural Gas Engine Conversion to District Staff
- Final Presentation of the BSRPS Feasibility Analysis for Natural Gas Engine Conversion to Board of Directors or Committee Members



Rancho Water
42135 Winchester Road
Temecula, California
92590-4800

**DELIVERABLES**

- Inception Report: outlining the proposed methodology, work plan, and timeline for the study
- Draft Feasibility Study Report: presenting the findings, analysis, and recommendations for review and feedback
- Final Feasibility Study Report: incorporating feedback and providing comprehensive insights and actionable recommendations
- Presentation of Findings: to key stakeholders and decision-makers

**DISTRICT-PROVIDED MATERIALS**

- Sheet 18 of Drawing PS-6
- CAD Manifold Drawing
- Xylem Quote
- WP Engine Generator Quote
- BSRPS Photos

**TIME OF COMPLETION**

The work for the subject project shall be completed within **one hundred eighty (180) calendar days** of receipt of the District's approval. Consultant shall provide a detailed project schedule in the proposal that indicates all activities and deliverables, including the duration for District review of Consultant's deliverables (2 weeks minimum). Any variation or extension of the project schedule, following the Notice to Proceed, must be approved by the District. Proposals shall clearly demonstrate that the Consultant intends to commit sufficient qualified staff to meet this schedule.

**PREVAILING WAGE**

Consultant shall pay prevailing wage rates for work performed on public agency projects, in accordance with the Department of Industrial Relations. In addition, certified payroll records shall be made available in case proof of payment of prevailing wage rates is necessary.

**PAYMENT**

Your proposal shall specify hourly time estimates and billing rates for each project team member for the level of work projected. Please note that your Consultant is considered local; thus, travel time will not be reimbursed. Rancho Water staff shall consider the total price quoted in the proposal to be the total contract amount and shall be used as the basis for contract formation.

Payment for this work shall be on a time-and-materials fee basis with a prior-approved, not-to-exceed limit. Additional funds will be authorized only for work clearly beyond the scope of this work and specifically requested by the District. The invoice must be submitted to the District by the 25th of each month for payment prior to the 10th of the following month. Payment will be made for all work completed by the 20th of the month. Budgets for one task may not be moved to another task without prior written approval by the District. Invoices will not be paid for tasks that have not been completed to the satisfaction of Rancho Water and/or for tasks where Rancho Water comments have not been addressed.



Rancho Water
42135 Winchester Road
Temecula, California
92590-4800

Hazen and Sawyer
11260 El Camino Real, Suite 102
San Diego, CA 92130 • 858.764.5520

February 13, 2026

Nikolay Lyuber, PE
Director of Engineering
Rancho California Water District
42135 Winchester Road
Temecula, CA, 92590

**Re: Letter Proposal to Conduct the Butterfield Stage RPS Natural Gas Engine-Driven Pump Conversion Feasibility Study**

Dear Mr. Lyuber:

On behalf of Hazen, we are pleased to submit this letter proposal to support Rancho California Water District in evaluating the technical, economic, and environmental feasibility of converting Units 1 and 2 at the Butterfield Stage Road Pump Station (BSRPS) to a natural-gas–engine-driven, split-case pumping configuration. We appreciate the opportunity to continue supporting Rancho Water in planning, designing, and optimizing resilient pumping infrastructure.

**Approach -** Our team has carefully reviewed Rancho Water's objectives, existing documentation, and expectations outlined in the RFP's Scope of Work. We have developed a scope of work designed specifically to provide a comprehensive feasibility study in a cost-effective manner by incorporating the following elements:

- Include multiple engine alternatives to identify the most feasible alternatives with respect to costs, benefits and risks.
- Expedite the preliminary fatal flaw analysis early in the evaluation to ensure only feasible alternatives are carried through the entire study.
- Include electric and natural gas billing rate modeling to accurately evaluate the energy cost impacts from the natural gas conversion alternatives.
- Engage the Rancho Water staff through multiple workshops to ensure constant communication and staff feedback.

**Experience -** Hazen's energy group has experience with many types of indoor and stand-alone engine driven systems for existing water and wastewater pumping and treatment facilities. Our energy engineers will work alongside with our structural, pumping, electrical, I&C mechanical and HVAC engineers to provide all the necessary services needed to provide a comprehensive and thorough evaluation with all disciplines "under one roof". Our experience also includes similar engine evaluations for facilities located in Pacific Gas & Electric (PG&E), Southern California Edison (SCE), South Coast Air Quality Management District (SCAQMD) and Southern California Gas (SoCalGas) territories giving us a complete understanding of the unique conditions and challenges required for the natural gas conversion.

Hazen also recently completed an asset condition evaluation for the BSRPS giving us a full understanding of the conditions and the expected useful life for the BSRPS major assets. This asset information will be an important part of determining natural gas conversion alternatives and implementation strategies. Examples of our experience on similar projects are summarized in the table below.

| Project | Description | Building modifications | Evaluations | Air/Environmental Permitting Evaluation |
|---|---|---|---|---|
| City of Sunnyvale (CA) | CHP engine replacement evaluations and design. | Indoor engines. Electrical, exhaust management, fuel train, heat recovery and HVAC modifications | PG&E rate modeling with energy storage. Natural gas blending assessments. | Bay Area AQMD Permit modifications |
| Eastern Municipal Water District (CA) | Engine driven blower replacement and emission compliance studies and design. | Electrical infrastructure | Cost/benefit evaluations between electric, biogas and natural gas fueled blowers. | South Coast AQMD BACT evaluations |
| City of Raleigh (NC) | Raw Water PS engine generator expansion and controls replacement. | Indoor engines. Significant Electrical and HVAC modifications | Diesel vs Natural Gas cost benefit evaluation. Building modification alternatives. | Air and fuel storage permitting with NCDEQ |
| Groveland Reservoir (FL) | Pumping Prime Mover Evaluations. | New Facility | Electric vs engine driven pumps. Included solar and energy storage. | N/A |
| South Coast Water District – Doheny Desal Facility | Prime power and microgrid evaluations and design. | New Facility | Electricity, solar, battery storage and linear generators prime power alternatives. | South Coast AQMD BACT evaluations |
| Western Municipal Water District | 30 cfs pump station design with 2x 745 HP prime natural gas engine driven pumps and 4x 700 HP electric pumps. | New Facility | Comprehensive hydraulic analyses of the supply and distribution systems, evaluation of pump station operations, life-cycle cost analyses for alternative configurations of pumps, primary power (natural gas engines verses electric motors), and backup power. | South Coast AQMD |

**Team -** We have assembled senior technical leads to ensure accuracy, quality, and actionable recommendations that will help Rancho Water make a confident, fully informed decision regarding the potential conversion.

Hazen proposes the following key team members for the successful performance of this feasibility study:

- **Cindy Miller, PE –** Principal-in-Charge
- **Joel Bowden, PE** – Client Manager
- **James Ferro, MELP** – Project Manager
- **Bryan Lisk, PE, CEM** – QA/QC Lead

- **Sean Pour, PE** – Asset Management
- **Jack Yao, PE** – Electrical Engineering
- **Steven Conner, PE** – Pump Station Lead
- **Chris Portner, PE, CEP** – Cost Estimating Lead
- **Travis Plank, EIT** – Design Lead/Permitting and Compliance
- **Hope Dymond, EIT** – Financial Modeling
- **Mayur Patel** – Energy Engineering

Resumes for Hazen key project team personnel are provided in Appendix A.

Hazen's schedule is provided in Appendix B, and Hazen's professional services fee is included in Appendix C.

We look forward to the opportunity to partner with Rancho Water on this strategic evaluation effort. Please feel free to contact me at **(619) 348-1932** or **jbowdan@hazenandsawyer.com** with any questions or requests for clarification. Thank you for your consideration.

Sincerely,

Cindy Miller, PE
Vice President
Principal in Charge

Joel Bowdan III, PE
Senior Associate
Client Manager

# 1. Project Purpose and Goals

Rancho California Water District (Rancho Water) seeks to evaluate the feasibility of replacing two existing pump cans (Units 1 and 2) and their associated vertical turbine pumps, motors, piping, and wiring with a single-stage, double-suction, split-case centrifugal pump driven by a dedicated ~600-horsepower (hp) natural gas (NG) engine operating at approximately 1,200–1,800 rpm. The target duty point is ~8,000 gallons per minute (gpm) at ~215 feet of total head. The study will determine the technical, economic, and environmental/regulatory viability of up to three alternative strategies to accommodate the conversion, identify required facility modifications (mechanical, electrical, instrumentation and controls, ventilation/combustion air, gas supply and safety), and recommend a preferred implementation approach while minimizing structural changes to the existing pump room building.

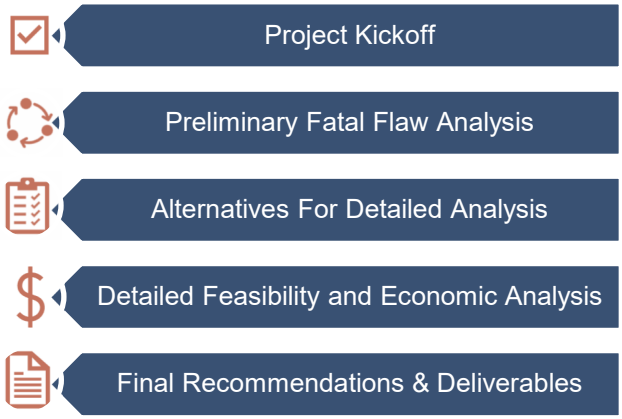
Hazen's team understands that this evaluation has many elements that extend beyond an engine addition including:

- Building and engine cooling needs.
- South Coast Air Quality Management District (SCAQMD) requirements for Best Achievable Control Technology (BACT) for emissions control for emergency and non-emergency stationary engines (Rule 1110.2).
- Noise abatement considerations from engine, exhaust and heat exchangers.
- Building structural requirements for heating, ventilation, and air-conditioning (HVAC). modifications, engine access, equipment pad extensions, potential fire rated separation walls and remote radiators.
- Safety codes and standards such as NFPA 54 (National Fuel Gas Code), NFPA 37 (Installation and Use of Stationary Combustion Engines), gas detection, guarding of hot surfaces and noise abatement.
- Integration of engine controls into the overall pumping control system.
- Consideration for standby power (black start generator) to supply engine and pump station systems during a power outage (i.e. pumping controls, heat exchangers, safety systems, and building ventilation).
- Engine operation and maintenance (O&M) and training requirements.
- Costs/benefit comparison between emergency and non-emergency engines and opportunities to participate in Demand Response (DR) programs.
- Maintaining pump station operations during engine installation.

While this study will focus on engine driven pumps, our scope of work described below will also include a fatal flaw and alternatives analysis to engine driven pumps so Rancho Water can compare the costs and benefits as well as gain an understanding of the risks accompanying a wide range of options. Anticipated alternatives are described in the scope of work below.

## 2. Scope of Work

Our proposed scope of work aligns with the tasks outlined in the request for proposals (RFP) with notable and important optional tasks and additions for Rancho Water to consider in reviewing the Hazen proposal. An early objective in our approach is to identify any potential fatal flaw conditions in the feasibility study so that Rancho Water has the option to alter the direction of the study if any fatal flaw conditions exist. Our proposed scope of work is summarized in the Task descriptions below:




### Task 1 – Technical Feasibility Evaluations

### Task 1.1 - Project Setup, Data Collection, and Document Review

Conduct a kickoff meeting to confirm objectives, data needs, and schedule. Specific discussion items will include:

- Discuss information requests, site visits, and communication procedures and contacts.
- Consensus on the overall objective of the pump conversion. Examples include: (1) maintain pumping operations during power outages; (2) manage energy costs by managing peak demand with engine driven pumps; (3) participate in demand response programs to generate revenue; (4) all of the above.
- Discuss any specific site, operational, and other constraints that would impact the outcome of the study.
- Discuss potential alternatives to engine driven pumps to be included in the study.
- Schedule workshops and site visits.

### Task 1.2 – Site Visits & Existing Conditions Assessment

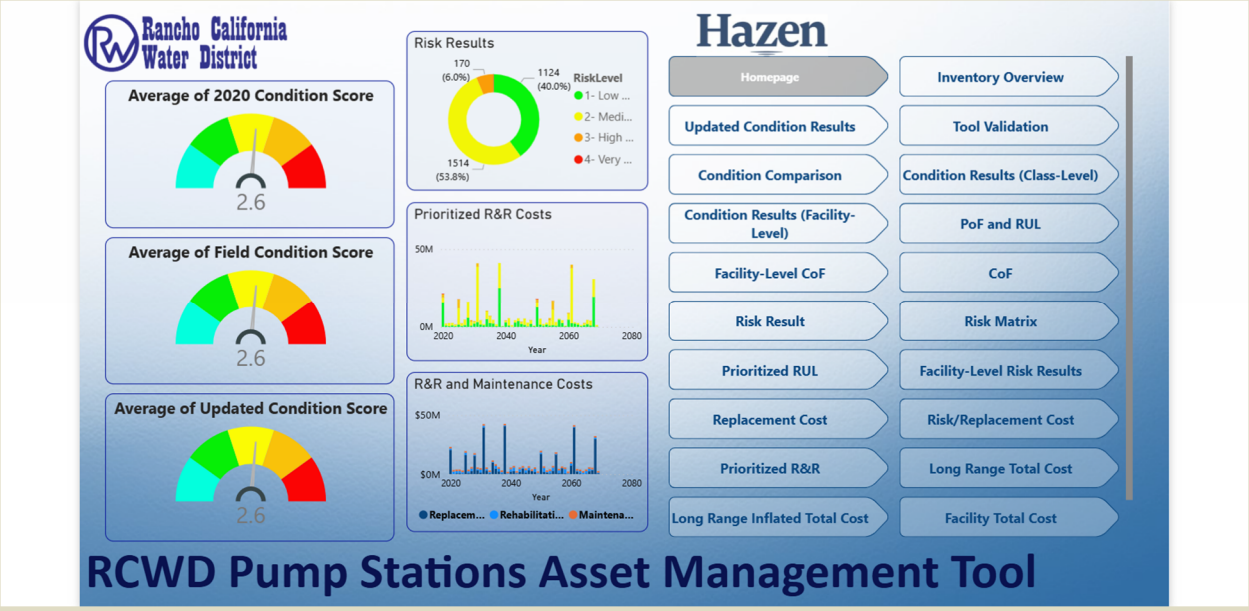
Hazen will perform site visits, review operational data and review design documents to document current mechanical, electrical, instrumentation and controls (I&C), structural/architectural, and HVAC/ventilation conditions. This information will serve as the basis of the feasibility evaluation and will include:

- Units 1 & 2 demolition and integration space/constraints for the proposed engine driven pumps.

- Construction sequencing and maintenance of pumping operations constraints

We will build on the information gained from our Asset Management project completed for the BSRPS.

*Hazen designed RCWD's Pump Stations Asset Management Tool for all facilities in the district.*




## Task 1.3 - Natural Gas Engine and Pump Technology Evaluation

This task will include an evaluation of multiple split-case pump and available engine options to identify the optimal engine-pump combination that will best serve the pumping demands with respect to efficiency, fuel consumption, maintenance needs, physical size and cost. Other evaluation elements to consider will include:

- Manufacturer's ability to provide the engine and pump system as a single integrated package and provide support from a single organization. This includes cooling systems, engine starting systems, engine controls, pump with pumping controls, safety systems, noise abatement infrastructure and pump/engine coupling equipment.
- Equipment vendors support network location, spare parts availability and on-site service capacity.
- Experience with meeting SCAQMD's emission limits.

## Task 1.4 – Preliminary Fatal Flaw Analysis

The purpose of this analysis is to identify any conditions that will make the installation of the engine-driven pumps prohibitively expensive or technically not feasible. This task will include requests to multiple vendors for basic engine and pump sizing, ventilation requirements, weight and other information necessary to perform a preliminary fatal flaw analysis. Hazen will review these initial findings with Rancho Water to gain consensus on how Rancho Water would like to move forward with the remainder of the evaluation. Specific elements that will be evaluated include:

- Space constraints requiring major building modifications that would be cost prohibitive.
- Potential impacts to existing pumping systems and electrical equipment that may result in significant costs.
- Complications with maintaining pumping operations during construction.
- Permitting hurdles that may impact the overall feasibility or intended use of the engines.

## Task 1.5 - Hydraulic and Mechanical Integration

Hazen will develop preliminary hydraulic calculations—including system head, NPSH, and suction and discharge conditions—and will define manifold tie-ins, valving, check protection, baseplates, alignment, and housekeeping pads. This work will help our team identify opportunities to reuse common headers. Using Rancho Water's SCADA data (suction pressure, discharge pressure, and flow) for this facility, we will develop system curves to confirm sizing of the new pump and its integration with the remaining existing electric motor driven pumps. We will also evaluate suction manifold modifications for connecting the new pump in accordance with Hydraulic Institute Standards. In addition, we will conduct structural reviews and analyses to determine the building modifications and new support foundations required for the new pumps and engines.

## Task 1.6 - Electrical, Controls, and SCADA

Hazen will identify electrical infrastructure required for engine-driven operation (control power, safety interlocks, gas detection), as well as control strategies needed to integrate the engine driven pump with the existing pump station operations. This evaluation will also include strategies and electrical systems needed to operate the engine pumps in the event of a power outage which may require a small standby generator to operate the building HVAC systems, remote radiators and control systems to support the engine operations during a utility outage.

## Task 1.7 - Natural Gas Supply & Safety

Hazen will coordinate with the natural gas utility to identify NG service requirements (available supply, pressure/flow, metering, regulation, filtration) and costs to supply the engines. This task will also include

a review of local and national codes (i.e. NFPA 54-National Fuel Gas Code) for compliance requirements for indoor engine gas supply systems.

## Task 1.8 - Building & Ventilation Impacts

The building ventilation requirement to meet the engine heat rejection and combustion air needs will be evaluated to determine the needed ventilation/HVAC modifications. This evaluation will also include evaluations to identify structural modifications needed to facilitate ventilation louvers and fans as well as structural modifications needed to facilitate access to the engines. Other structural evaluations will include modifications for equipment pads and potential overhead hoists to facilitate engine repairs and maintenance.

*Hazen designed HVAC and structural modifications to install two new engine generators at the existing City of Raleigh Raw Water Pump Station.*

***New Generators w/ Skid Mounted Radiators***




***Structural Modifications to Facilitate New Ventilation Louvers***

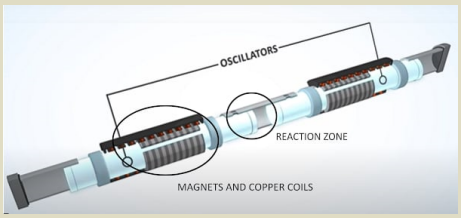


## Task 1.9 – Alternatives Evaluations (Optional Task)

Hazen will identify alternative onsite power generation strategies for Rancho Water to consider if the engine pumps become a technical challenge. The alternative evaluations will include 2-3 alternatives that meet similar performance objectives using different technologies and strategies. The final alternatives to be included will be coordinated with Rancho Water during the project initiation. Example alternatives include:

- Use of natural gas engine generators installed outside the pump building to provide demand management and standby power. This includes the use of emerging engine technologies such as linear generators as well as traditional reciprocating engines.
- Options to install engines in empty space reserved for future pumps. This would also include a single engine option for Rancho Water's consideration.
- Use of energy storage to manage peak demand and provide limited operations during outages.
- Combination of energy storage and onsite power generation options.

*Hazen is leading the evaluation of linear generators to serve as the prime power source for the Doheny Desalination Facility in Southern California*




*Mainspring Linear Generator*

## Task 1.10 – Final Technical Feasibility Findings

The final feasibility findings will be submitted and reviewed in a technical workshop with Rancho Water's staff. The final feasibility findings will include the following as a minimum:

- Preliminary equipment layouts and configuration drawings for each alternative.
- Technical data for the major equipment for each alternative.
- Preliminary drawings and descriptions for building and site modifications required to facilitate ventilation, remote radiators and engine/pump access.
- Modifications needed to install the natural gas service and safety/fire prevention requirements from national and local codes.
- Overview of the integration strategies with the existing pump operations and controls.
- Overview of the permitting needs and emission controls for emergency and non-emergency operations.
- Location alternatives for engine cooling radiators.
- Noise mitigation considerations.
- Recommended technical alternative with rationale.

## Task 2 – Economic Analysis

### Task 2.1 - Capital Cost Estimation (CAPEX)




Class 5 engineering cost estimates will be developed for CIP planning purposes for the alternatives defined in Task 1 (maximum 3 alternatives). The capital cost estimates will include equipment costs, engineering, construction administration and construction costs to develop a "total project cost." Capital cost estimates will include all ancillary equipment, systems and services such as fuel supply infrastructure, building modifications, HVAC systems, electrical systems, safety systems, demolition, I&C integrations, commissioning and training. The capital cost approach will be coordinated with Rancho Water.

### Task 2.2 - OPEX and Fuel Scenarios (Life Cycle Costs Assessment)

A lifecycle cost comparison will be performed for each alternative to compare the long-term cost, benefits and risks for each alternative versus the current configuration. Life cycle costs will be performed over 5-, 10-, or 20-year horizon or as directed by Rancho Water. The lifecycle cost assessments will include:

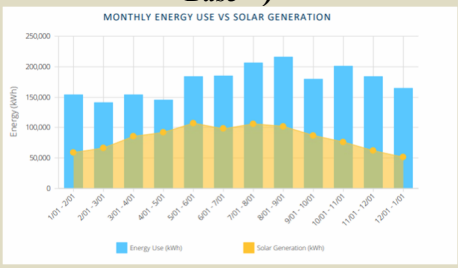
- Total project costs from Task 2.1 amortized over a 20-year time period at an interest rate defined by Rancho Water.
- Annual O&M and labor costs escalated at the agreed upon inflation rate. O&M costs will include scheduled engine rebuilds as recommended by the equipment manufacturers.
- Fuel (Natural Gas) costs for each alternative including the cost of electricity for the current configuration. All energy costs will be escalated annually at the rates defined by the Energy Information Administration (EIA) or as requested by Rancho Water.
- Potential revenue from peak demand reduction and participation in SCE demand response programs as applicable.

- Sensitivity to high economic growth and low economic growth energy market conditions over the planning horizon. This sensitivity analysis can also include near term increasing energy cost patterns.

- Overall project return on investment (break even analysis) for each engine alternative and the energy market scenarios.

As a part of the overall life cycle cost analysis, Hazen will use our preferred electric utility billing rate modeling software (Energy Tool Base ™) to ensure we accurately calculate the bottom-line energy cost impacts for the engine operation strategies. This capability also enables us to evaluate alternative SCE billing rates that may be more compatible with peak demand management and/or rates that will reduce the overall costs under the current configuration.

***Hazen uses industry standard energy billing modeling software (Energy Tool Base™)***




***"Accurately Model Bottom Line Energy Cost Impacts"***

## Task 2.3 - Incentives and Funding

We will identify applicable incentives or funding mechanisms supporting NG engine adoption, air-quality improvements, or energy resilience for water infrastructure. Since most funding opportunities will require the project demonstrates an emission reduction and/or carbon footprint benefit, this task will be combined with the environmental tasks in Task 3. Anticipated funding opportunities include SCE Self Generation Incentive Program (SGIP) and Clean Water State Revolving Funds (CWSRF). Hazen will explore how the use of emerging energy generation and energy storage technologies will impact the funding potential for the natural gas conversion.

## Task 2.4 - Financial Metrics

Hazen will work with Rancho Water's staff to provide lifecycle cost metrics that align with Rancho Water's economic comparison standards and practices. At a minimum, financial metrics will include net present value (NPV), break-even analysis, and return on investment (ROI) for each alternative. Financial and economic assumptions, including general inflation rates, discount rates and contingencies will be coordinated with Rancho Water.

## Task 3 – Environmental & Regulatory Considerations

## Task 3.1 - Emissions & Air Quality

Greenhouse gas and emission profiles will be developed for each alternative. This analysis will incorporate manufacturer's emissions data as well as emission factors for the purchased natural gas and electricity. These profiles will be compared to the existing configuration baseline to understand the long term GHG impacts for each alternative. The GHG and emissions evaluation will consider a mix of

electric and natural gas operations. Hazen will also recommend strategies to minimize site emissions using alternative technologies and operational strategies.

This task will include a review of SCAQMD's emission requirements for stationary engines (Rules 1110.2 and 1110.3) to identify emissions controls needed for emergency and non-emergency operations. The capital and O&M costs for the emission controls will be included in the cost estimates.

## Task 3.2 - Noise, Vibration, and Heat & Operations Considerations

Hazen will evaluate noise ordinance requirements and noise abatement strategies to meet the ordinance and maximize worker safety. This task will also include mitigation measures to address vibration and guarding/insulating of hot engine surfaces. In addition, this task will include mitigation of community and staff health risks such as containment areas around the engine to keep fluids from leaking into the water supply, emergency shutdown systems, exhaust silencing and staff training requirements.

## Task 3.3 - Permitting & Compliance

Hazen will identify, evaluate, and outline required permitting pathways, compliance obligations, and regulatory considerations associated with the installation and operation of a natural gas engine-driven pump system at BSRPS. This task will serve as the basis for determining project viability, schedule impacts, and cost implications related to environmental and safety regulations. Key elements of this task will include:

- Detailed review of local Air District Permitting (SCAQMD) rules applicable to stationary natural gas engines for emergency and non-emergency use.
- Permitting pathways available for standard Permit to Construct (PTC) and Permit to Operate (PTO) processes with consideration of equipment classification implications.
- BACT determination identifying the required after-treatment monitoring systems and configurations.
- Building, Mechanical, and Fire Code Compliance requirements including applicable California, NFPA, Fire/Life Safety, and Hazardous Area requirements.
- Identification of Natural Gas Utility (SoCalGas) procedures and coordination requirements.
- Evaluate project triggers under the California Environmental Quality Act (CEQA) and advise Rancho Water on the most appropriate CEQA pathway.
- Identification of local environmental, building, and noise ordinance requirements.

## Task 4 – Project Management & Administration

### Task 4.1 - Project Controls

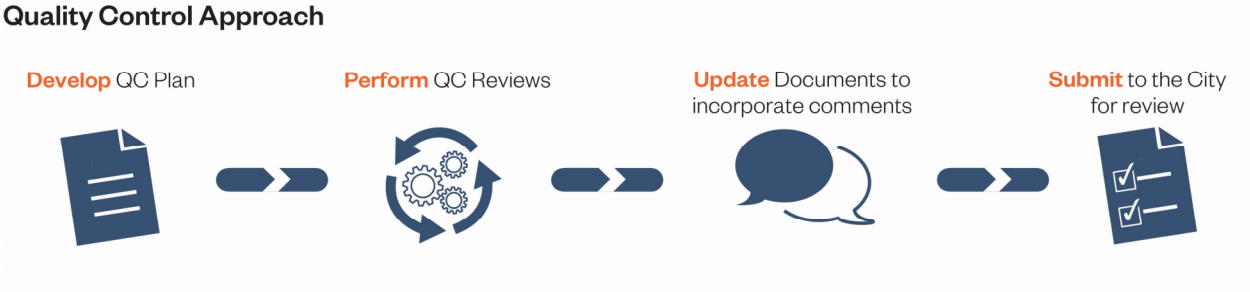
We understand the importance of schedule and budget management on your project. We will use our project controls expertise to track and control budget and schedule. We will draw on our expertise to identify issues and options for resolution as early as possible to ensure that high quality deliverables are submitted on time and within budget.

**Timely, frequent, and detailed communication.** Proper reporting of progress is essential for maintaining the project schedule and cost as well as early identification of any issues which may lead to scope, cost or schedule variances. We utilize several management tools including critical path scheduling, budget projections, and monthly project budget updates. Hazen proposes the following approach to progress reporting:

- **A Kick-off Meeting** will be held to introduce key team members and review project objectives, deliverables, schedule and QA/QC Plan.
- **Workshops and Facilitated Meetings** are specifically designed to maintain Rancho Water staff engagement throughout the process and has proven successful on previous similar projects. This workshop approach is designed to gain early consensus on subjective elements such as the overall vision, evaluation criteria, weighting factors and replacement and maintenance program concepts.
- **Progress Reporting:** within two (2) weeks of award, we will submit a detailed Gantt-type project schedule identifying tasks, level of effort, dependencies, and milestones. The monthly Progress Reports, submitted by Hazen's Project Manager, James Ferro, include information related to work completed that month, important upcoming milestones, and updates on schedule and budget. The actual percent complete, budget status (by task), and risks/issues would be included.

### Task 4.2 - Quality Management (QA/QC)

In accordance with Hazen's Quality Assurance Policy, Hazen's Project Manager, James Ferro, will develop a Quality Control Plan specifically tailored to this project. The QC Plan will assign QC reviewers, identify QC milestones and set the review schedule and budget. QC review will be conducted by experienced technical staff prior to each submittal. The documented QA/QC plan would cover calculations, assumptions, and deliverables prior to submittal. The QC records would be maintained and provided upon request.




### Task 4.3 - Meetings & Workshops

As described in previous sections, we will conduct and document meetings and review workshops with Rancho Water. Our work would include the following meetings and workshops:

- Kickoff Meeting
- Document Overview
- Technical Feasibility Review Workshop
- Economic Analysis Review Workshop
- Environmental/Regulatory Review Workshop
- Deliverables Review Workshop
- Draft Findings Presentation (Staff)
- Final Findings Presentation (Board/Committee)

### Task 4.4 - Communications & Invoicing

Hazen will submit concise monthly status reports with invoices by the 25th of each month; adhere to Rancho Water payment procedures and not-to-exceed, time-and-materials contracting basis.

## Task 5 - Deliverables

The study methodology, results and recommendations will be summarized in a written report and will be presented to Rancho Water's staff through online and in-person workshops. A draft report will be submitted to Rancho Water for review, comments and final approval. The deliverables will include:

- Inception Report (methodology, work plan, schedule).

- Preliminary Feasibility (Fatal Flaw) workshop.
- Draft Feasibility Study Report (technical, economic, environmental/regulatory findings and recommendations), with figures/tables and appendices.
- Final Feasibility Study Report (responses to Rancho Water comments incorporated).
- Presentation Materials (Draft to staff; Final to Board/Committee).
- Monthly Status Reports & Updated Schedule (with budget tracking).

## Assumptions & Rancho Water Responsibilities

This study assumes the following information and services will be provided by Rancho Water.

- Rancho Water will provide background documents, record drawings, any available hydraulic modeling results, electric and natural gas account contacts, incremental energy data (if available), energy billing data, pump station SCADA operations data (suction pressure, discharge pressure, station flow rate, pumps running, etc.) and site access for field reviews.
- Rancho Water review periods are assumed to be two (2) weeks per submittal in order to comply with the requested and desired overall completion within 180 calendar days of NTP. Optional task(s) may necessitate additional time to complete the full scope of work, as described in this proposal. Hazen will engage with Rancho Water staff in discussions about the scope and range of the alternatives analysis before executing any future changes to the base scope of work and the required level of effort.
- Prevailing wage requirements will apply for any field work subject to DIR rules; certified payroll records will be available on request.

# Appendix A: Hazen Resumes

The team that we have assembled to provide the above scope of work for this important project has extensive experience with the work envisioned in the RFP. In addition, our team knows the Rancho Water system and the Butterfield Stage Pump Station intimately and will bring our understanding of operations and facilities to the project for maximum efficiency and optimal situational awareness of the current conditions and obligations of Rancho Water and the facility.



# Joel Bowdan, PE

## Client Project Manager

*Joel serves as Hazen's Client Project Manager for this engagement, bringing deep expertise in water and wastewater infrastructure planning, design, and construction.*

### Education

BS, Civil Engineering, California State University

### Certification/License

Professional Engineer: CA, MI

### Areas of Expertise

- Process Engineering (water, wastewater, industrial)
- Pumping facilities (water, wastewater, recycled water, stormwater)
- Groundwater Treatment (Filtration, IX, BW NF/RO, Adsorptive Media, Biological Media)
- Wastewater Treatment
- Industrial Cooling Tower Treatment

His background includes treatment systems, pump stations, groundwater remediation, and recycled water facilities across California and the Southwest. Joel has led multi-disciplinary teams through all phases of delivery, including hydraulic modeling, surge analysis, permitting, and stakeholder coordination. His recent work with CVWD and other regional agencies reflects Hazen's commitment to delivering technically sound, cost-effective solutions that meet community and regulatory needs.

**CVWD IXTP 7991 Replacement Construction Phase, Coachella Valley Water District, Mecca, CA**

**Project Manager.** Responsible for professional engineering support services during construction for the replacement of the existing packaged ion-exchange treatment system with a new single-pass, adsorption media based, arsenic removal system including pre-filtration, backwash water recover and recycle, chemical feed storage and injection, new deep well turbine well pump, electrical distribution system, PLC-based control system, and related piping, valves, and appurtenances. Prior to joining Hazen, Joel also served as the Project Manager and EOR for the preliminary and detailed design phases of the project.

**Upper Valle De Los Caballos Regional Pump Station, Rancho California Water District, Temecula, CA**

**Project Manager.** Preliminary and final design for new regional water booster station comprising four 1305 PZ Pumps (19,000 gpm capacity) and three 1380 PZ Pumps (6,850 gpm capacity) vertical turbine can pumps, new 2,000 lb/day onsite sodium hypochlorite generation system, new LAS storage and injection facilities, new chlorine contact tank, including new 10,000 SF CMU building with TPO membrane roofing system, upgraded electrical utility service and new switchgear, MCC, and VFDs. New redundant PLC based control and SCADA system.

Hazen

### Chino Hills 123-TCP Removal Project, Chino Hills, CA

**Project Manager.** Responsible for the preparation of a feasibility and preliminary design study for a proposed centralized granular activated carbon (GAC) system for the removal of 1,2,3-TCP from several groundwater wells. The feasibility and preliminary design study reviewed several alternatives including several distributed wellhead treatment systems and a centralized treatment facility. The selected project will be a centralized facility having a treatment capacity of 6.8 mgd.

### Reverse Osmosis Water Treatment Plant, California State Polytechnic University, Pomona, CA

**Project Manager.** Responsible for project management and design oversight for the planning, preliminary design, final design, environmental permitting, grant application assistance, construction management, and start-up assistance for a new 1.0 mgd brackish groundwater reverse osmosis water treatment plant (WTP). The new facility allowed Cal-Poly Pomona to utilize its own groundwater wells by providing treatment for the removal of total dissolved solids, nitrates, and perchlorate from the impaired groundwater. The project required review and approval by an architectural review committee for building aesthetic requirements and was designed to conform to LEED® Silver targets. The project won ASCE Riverside/San Bernardino County Branch 2015 Outstanding Private Section Civil Engineering Project Award and Metropolitan Los Angeles Section 2015 Outstanding Sustainable Project of the Year.

### Ryan Ranch Arsenic Removal Project, California American Water, Monterey, CA

**Project Manager.** Responsible for leading multi-discipline team for the early phase evaluation, equipment selection, equipment prepurchase, installation design, and construction phase assistance services for the replacement 0.22 Mgd Ryan Ranch Arsenic Removal Facility. Facility utilized proprietary media for the removal of Arsenic, Iron, low levels of Manganese, and intermittent Sulfides. Prepared project plans, specifications, and estimates, commencing with the preparation of a technical memorandum to discuss alternatives for minimization of the overall project based on the selected vendor to meet available California American Water (CAW) budget. The project included major modifications to the existing control building, electrical systems, instrumentation and control, chemical feed system, and onsite storage ponds.

### New River Phase I Improvement Services, California State Water Resources Control Board, Calexico, CA

**Task Manager – Trash Screen and Diversion Structure.** Responsible for the design of the trash screen and diversion structure for the New River Improvement Project. Oversaw preparation of the preliminary design report, written determinations, and detailed design of the New River channel improvements to accommodate a new automatic trash screen and river diversion structure. The trash screen and diversion structure are designed to handle wet weather flows up to 1,600 cfs and divert up to 160 cfs of dry weather flow to a separate bypass pipeline encasement system. The trash screen includes a trolley-mounted, hydraulically powered automatic raking system to remove up to 1 ton per day of trash from the New River. Responsible for oversite and coordination of site/civil grading, drainage and access drives, structural, mechanical, electrical, instrumentation and control. Innovative computational fluid dynamics and 3D modeling was performed to evaluate the functionality of the screen and diversion system under varying flows up to 1,600 cfs to inform the final design, and potential impacts of the trash screen on river flows. Extensive visual and 3D modeling was critical for stakeholder feedback during public forum meetings.



# Cindy Miller, PE

## Principal in Charge

*Cindy serves as Hazen's Irvine and Inland Empire Operations Manager. She has extensive experience in the planning, design and construction of water supply, treatment, storage and conveyance facilities.*

### Education

BS, Civil Engineering,
University of California, Irvine

### Certification/License

Professional Engineer: CA, NY

### Areas of Expertise

- Project Management
- Program Management
- Project Delivery
- Groundwater Supply
- Well Equipping Planning and Design
- Pump Station Planning and Design
- Reservoir Storage Planning and Design
- Pipeline Planning and Design
- Drinking Water

**Baker Water Treatment Plant, Lake Forest, CA**

**Project Manager.** The project includes planning and design of a 28-mgd microfiltration treatment plant with UV disinfection. The project includes design of a 100-percent redundant flow control facility utilizing dual sleeve valves, a 56- cfs raw water pump station to convey flow to the plant from Irvine Lake, upgrades to a Metropolitan Water District turnout facility and transmission pipeline to increase deliveries to 100 cfs, a 6-cfs raw water pump station for Trabuco Canyon Water District, a fore-bay designed to provide adequate contact time for chlorine dioxide injection, feedwater pump station, coagulation injection, strainers, 14 pressure microfiltration membrane racks, UV disinfection system, chlorine contact basin, chemical building housing 9 different chemicals, an extensive chemical piping delivery system, solids dewatering facilities, civil site work, finished water pipelines, retrofit of two16 MG pre-stressed concrete reservoirs, Product Water Pump Station, transmission pipeline and connection to Metropolitan Water District's South County Pipeline.

**Chino I Desalter Expansion and Chino II Desalter Projects, Inland Empire, CA**

**Project Manager.** Provided engineering services to the Chino Basin Desalter Authority (CDA) for the multimillion-dollar Chino I Desalter Expansion and Chino II Desalter projects. The assignment involved design of a new desalter facility; expansion and upgrade of an existing desalter facility; design of water distribution facilities, including pump stations, pipelines, and well equipping. The project included expansion of an existing 9 MGD reverse-osmosis treatment plant to a 14 MGD plant by adding ion exchange treatment for nitrate removal and VOC treatment for removal of TCE. Other plant improvements included the upgrading of the existing disinfection system to 0.8 -percent solution sodium hypochlorite generated on site, expansion of the on-site product water pump station, and other miscellaneous upgrades to improve plant performance. In conjunction with increasing the Chino I Desalter's capacity, three new wells were added to increase the system's raw water supply. Delivery facilities from the Chino I Desalter were added to enhance movement of treated water to the end-users. Delivery facilities included two new

booster pump stations with capacities of 2,600 gpm and 1,400 gpm and approximately 14,000 linear feet of product water pipeline, 12 inches to 24 inches in diameter. The project also included design of a new 10 MGD Chino II Desalter. This treatment plant was designed to target TDS and nitrate removal and using reverse-osmosis and ion exchange in parallel. The project included eight new groundwater wells; approximately 30,000 linear feet of raw water pipeline, 16 inches to 36 inches in diameter; approximately 24,000 linear feet of product water pipeline, 12 inches to 42 inches in diameter; and a new booster pump station with 3,000 gpm capacity. The new and expanded desalters, which include the Chino I Desalter and the Chino II Desalter, provide potable water to and strengthen the water supply reliability of cities and agencies in the southwesterly region of the Inland Empire, including Jurupa Community Services District, City of Chino, City of Chino Hills, City of Ontario, Santa Ana River Water Company, and the City of Norco.

**La Brea Subarea Groundwater Supply Project – Wells, Transmission Main, and Treatment Facilities, City of Beverly Hills, CA**

**Principal in Charge.** Responsible for the City of Beverly Hills La Brea Subarea Groundwater Supply Project. This is a $50 M project the City is implementing to expand their local water supply by developing groundwater in the La Brea Subarea of the Central Groundwater Basin. The project includes three (3) groundwater wells to be drilled and equipped, 4-miles of raw water transmission main through the City of Los Angeles and Beverly Hills, and upgrade of the City's existing reverse osmosis treatment plant. The first phase of the project which Hazen is leading is the drilling and equipping of the first groundwater well, and construction of the 4-mile transmission main.

**Water Master Plan Update and GIS Conversion Project, City of Chino, Chino, San Bernardino County, CA**

**Principal in Charge.** The City of Chino serves over 12 million gallons per day of potable water to a population of approximately 74,000. Key components of this project include the creation of a GIS geodatabase of the City's potable water distribution system, preparation of a Water Master Plan Report, and completion of a Risk and Resiliency Assessment for compliance with America's Water Infrastructure Act requirements. The Water Master Plan effort includes hydraulic model development and calibration; comprehensive hydraulic analysis of the City's conveyance, pumping, and storage facilities; and development of a prioritized Capital Improvement Program for the planning horizon including preliminary cost estimates.

**Regional Brackish Water Reclamation Program - Phase 1 Pilot Testing and Water Quality Characterization, Water Replenishment District of Southern California, Lakewood, CA**

**Program Management/Delivery.** Cindy led the pilot program and design for the Regional Brackish Water Reclamation Program. The Phase 1 Project develops a well drilling and water quality characterization program to define where the trapped seawater plume is within the aquifer and to determine the best location for production wells to pump the plume to a 10,000 AF (9 mgd) Reverse Osmosis System. The project includes drilling a nested pilot well to supply water to a treatment pilot. The project includes developing preliminary designs of the wells, pipelines, pretreatment, reverse osmosis and post treatment pumping and brine disposal lines. The project will remediate the aquifer and reclaim water that will be supplied to multiple local stakeholders.

**Eastside Facility Expansion, Chino CA**

**Principal in Charge.** Cindy led the 3,500 gpm treatment expansion for the City of Chino at the Eastside Facility. Treatment includes GAC for 1,2,3-TCP and ion exchange for nitrate. The design includes treatment of three wells, with potential for a forth, pipelines, buildings and control systems. This design requires careful integration of the new equipment with existing treatment on site.



# Bryan R. Lisk, PE, CEM

## QA/QC

*Bryan is the Energy Management Practice Leader for Hazen and specializes in water and wastewater energy management.*

His expertise includes evaluation of demand management opportunities, coordination and negotiations with electric utilities, biogas utilization evaluations, process optimization evaluations, and energy management master planning services. Other energy management experience includes design and optimization of on-site power generation systems, energy-efficient lighting and motor control systems, power monitoring system design, variable speed systems, and power quality evaluations. Bryan is a Certified Energy Manager with the Association of Energy Engineers.

### Education

BSEE, North Carolina State University

BS, Textile Material Science, North Carolina State University

### Certification/License

Professional Engineer: NC, VA, NY, SC

Certified Energy Manager (CEM) – Association of Energy Engineers

### Areas of Expertise

- Water and Wastewater Energy Management
- Water and Wastewater Electrical Engineering and Design

### Professional Activities

Water Environment Federation

Association of Energy Engineers

### Biogas Utilization Studies for the Goleta Sanitation District, Santa Barbara, CA

**Lead Engineer.** Provided preliminary biogas utilization studies for the Goleta Sanitation District (GSD) to identify feasible biogas utilization strategies that warranted further evaluations. This study included energy balance modeling to evaluate multiple long term biogas utilization strategies including CHP and RNG pipeline injection. Mr. Lisk is currently serving as the energy management technical lead on a detailed Energy and Biosolids Strategic Master Plan for the GSD.

### Biogas Utilization Master Planning, Eastern Municipal Water District (EMWD), CA

**Project Manager.** Served as the project manager for a biogas utilization master plan for EMWD's four (4) water reclamation facilities. This project includes plant energy balance modeling to evaluate multiple long term biogas utilization strategies including CHP, RNG pipeline injection, fuel cells, and biogas fueled blowers. This projected included a detailed assessment of current and future air emission regulations and renewable energy market assessments.

### NapaSan Master Plan, Napa CA

**Energy.** The District selected Hazen to develop the Soscol Water Recycling Facility (SWRF) to provide NapaSan with strategic planning guidance and in-depth analysis of key focus areas. NapaSan intends to produce an actionable and strategic master plan that supports decision making over the next five-to-ten years while maintaining a 20-year planning horizon. the master Plan included key areas such as condition assessment, nutrients, biosolids, recycled water, capacity analysis.The Master Plan also includes an evaluation of vulnerabilities as well as susceptibility to climate change factors such as flood, wildfire risk and public safety power shutoffs.

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### Soscol Water Recycling Facility Master Plan, Napa Sanitation District, CA

**Energy Management and Bioenergy Recovery Lead.** Services included evaluation of multiple bioenergy recovery alternatives and the energy production impacts from multiple biosolids management and processing strategies. The bioenergy recovery plan included the development of an interactive energy/mass/financial balance dashboard the District can use to evaluate alternatives and conditions change. Services also included evaluating the feasibility of engaging a private entity to provide bioenergy recovery infrastructure.

### Biosolids and Energy Strategic Plan, Goleta Sanitation District, CA

**Energy Management and Recovery Lead.** The main objective of this strategic plan was to provide a biosolids and energy road map and strategy for GSD to reach energy-sufficiency by reassessing their biosolids management practices in combination with numerous energy production approaches (energy generation, utilization, storage, and renewable energy sources). The planning horizon is established for year 2043. The plan included biogas utilization alternatives, food waste and fats/oils/grease (FOG) co-digestion, energy storage, and on-site solar evaluations. Mr. Lisk is currently serving as the bioenergy recovery lead for the design of the biogas fueled CHP system and FOG receiving facility.

### Digester Addition and Bioenergy Recovery Project, Goleta Sanitation District, CA

**Project Engineer.** Serving a leading role in the design of a biogas fueled combined heat and power generation system for GSD's wastewater treatment plant. Role includes engineering support, electric interconnection support (SCE), permitting and emission control support (SBCAQMD) and funding opportunity support. The CHP system size is approximately 160kw and will be designed to offset the plant's electric energy and provide thermal energy for digester heating.

### Water and Wastewater Energy Management Master Plan Implementation, El Paso Water, TX

**Project Manager.** Power monitoring and energy data visualization evaluations and engineering services for EPW's seven treatment facilities and remote distribution, collections, and well water pumping stations.

### Energy Monitoring and Management Program Implementation, El Paso Water, TX

**Project Manager.** This project included studies and design for strategic power monitoring and visualization implementation for El Paso Water's four wastewater treatment facilities, three water treatment plants, one desalination plant and multiple remote pumping facilities. This program included an evaluation of El Paso Water's current energy monitoring and network capacity as well as the development of process performance metrics and key performance indicators.

### Solar Evaluations, Loxahatchee River District (LRD), FL

**Project Manager/Lead Engineer.** Solar array feasibility analysis for the LRD Water Reclamation Facility.

### Pumping Efficiency Evaluations, City of Greensboro, NC

**Project Manager.** The City pursued LEED 4.1 (LEED for Cities) accreditation. To support the City's LEED accreditation process, Hazen provided pumping efficiency evaluations for the City's major water and wastewater pumping facilities. These evaluations included calculating the pump energy index (PEI) in accordance with the Depart of Energy's Energy Conservation Standards for Pumps (10 CFR Parts 429 and 431). The PEI calculations included the collection of field data as well as performing wire to water efficiency tests for the larger pumping facilities. This project also included electric utility billing rate evaluations to identify opportunities to reduce energy costs



# Jamie Ferro, MELP

## Project Manager

*Jamie serves as Hazen's West Region Energy Management Lead. He has over 20 years of experience in the water sector with a background in water law and policy, program design, project development, and project management.*

Jamie has spent the last 11 years specializing in energy management for water and wastewater systems by developing a process-based management approach that improves system performance while reducing energy consumption and peak energy demand. An accomplished project manager, he provides strategic, technical, and management capabilities to work in collaborative settings involving complex projects and community interests. He has a wide variety of experience in policy development, advocacy, and collaboration and coalition building and has managed a wide variety of projects from initial planning, through design and operation.

**Distributed Energy Resources Resilience Feasibility Study, City of Davis, Public Works, CA**

*Project Manager and Technical Lead.* Jamie led a feasibility study to evaluate four critical facilities throughout the City's water system for installation of distributed energy resources (DERs) as primary back-up power sources. The intent of the project was to evaluate opportunities to enhance resilience by utilizing battery energy storage systems (BESS) and solar photovoltaic (solar PV) installations combined with microgrid controllers. A prime driver for this study was to determine if traditional back-up emergency power systems (diesel generators and automatic transfer switches) could be replaced with renewable energy and battery storage without compromising uninterruptable water supply during power outages. A secondary objective was to determine the potential improvements to operational responses to emergency black-out power conditions, including regular maintenance of back-up power systems.

**Process Optimization Support, Ventura Water, CA**

*Project Manager.* Jamie led engineering consulting services to support the implementation of an ammonia- based aeration control (ABAC) project to save energy and enhance treatment processes as a part of a Southern California Edison energy efficiency incentive program.

### Education

MELP, Environmental Law and Policy, Vermont Law School, South Royalton, VT

BA, Political Science, University of Southern California, Los Angeles, CA

### Areas of Expertise

- Energy Management and Resource Recovery
- Sustainability and Resilience Planning
- Program Design
- Project Management
- Policy Development

### Professional Activities

- California Association of Sanitation Agencies
- California Water Environment Association
- American Water Works Association
- Water Solutions Network

### Select Technical Publications/Presentations

Energy Management of Pumping and Treatment Processes: Manual of Practice M83. American Water Works Association. Various Chapters. In Review.

Preparing Water Utilities for the Future of Energy Management. Journal AWWA, July/August 2022. With Sanjay Patel, Robert B. Sowby, Todd Elliot, and Thomas M. Walski.

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Planning Distributed Energy Resources (DERs) to enhance water and wastewater resilience. Resilient Water Is Good Water: How Water Utilities Can Leverage Distributed Energy Resources for Reliability, Sustainability & Savings. California Municipal Utilities Association workshop. September 196, 2023. Invited Speaker.

Policies, Practices in Data Management, and Partnerships. Partnering for Impact. California Water Environment Federation and the California Association of Sanitation Agencies. Berkeley, CA. June 6, 2023. Panel Moderator.

Hot Topics for Hot Sewage. Colorado River Basin Section, CWEA. Wastewater Treatment Processes and Technologies Workshop. Coachella, CA. May 31, 2023. Session Host and Facilitator.

The Critical Role of EI&C Staff in Meeting Agency Resilience and Energy Goals. CWEA – Annual Conference 2023, Pre-Conference Workshop. Sacramento, CA. April 18, 2023. Session Host and Facilitator.

Preparing Water Utilities for the Future of Energy Management: Power Resilience and Reliability with Distributed Energy Resources and Microgrid Capability. AWWA Energy Management Webinar. Virtual Event. March 13, 2023. Guest Speaker.

Energy Resilience at POTWs: Efforts to Conserve, Distribute, Electrify. CASA 2023 Winter Conference. Palm Springs, CA. January 26, 2023. Panel Moderator.

Future-Proofing Wastewater System's Energy Supply: What You Need to Know. CASA Annual Conference 2022, Associates Committee Meeting. Olympic Valley, CA. August 11, 2022. Session Host and Facilitator.

Making Conservation a Way of Life; How forthcoming efficiency standards may impact local wastewater management. State Water Resources Control Board, Public Workshop. Virtual. May 11, 2022. Invited Speaker.

**Process Stabilization Support, Carpinteria Sanitary District, CA**
*Project Manager and Workshop Facilitator.* Provided guidance and technical support to help resolve a persistent and regular plant upset condition at the wastewater treatment plant (WWTP) typically addressed with purchase and consumption of chemistry and required additional treatment capacity. Through an iterative and interactive process, the project team assisted the District with guidance and training to reoperate the WWTP in a way that would minimize the need for chemistry and excess energy consumption while improving the quality of the final effluent.

**Infrastructure Renewal Strategy and Sewer Flow Study, City of San Luis Obispo, Utilities Department, CA**
*Deputy Project Manager and Workshop Facilitator.* Responsible for guiding the inquiry and discovery process to identify shared priorities across divisions and teams while defining opportunities for collection system optimization to achieve City objectives if the Infrastructure Renewal Study. Responsible for facilitating workshops to identify optimization and collection system management strategies that take into account the energy density of sewage in the system and the impact on the WWTP.

**Energy Efficiency Audits, City of San Luis Obispo, Utilities Department, CA**
*Program and Project Manager.* Jamie provided services to the City through multiple energy utility-funded investigations, pilot studies, and optimization projects. Over a four-year period starting in 2017, Jamie helped the City utilize approximately $150,000 of energy optimization audit and pilot study funding including the Large Integrated Audit and RAPIDS program with PG&E. These pursuits included the facilitation of multiple internal and peer-to-peer workshops to identify opportunities and pursue additional financial incentives for optimization, and subsequently led to multiple conference and workshop presentations about the City's challenges related to high-strength sewage and treatment intensification that is common to many Central Coast and Southern California water and wastewater utilities.

**Carbon-neutral Water Feasibility Scoping Plan, Sweetwater Authority, CA**
Designed and delivered a three-phase plan to Sweetwater Authority to determine the pathway to evaluate the feasibility of delivering carbon-neutral water in its service area in San Diego County. The scoping plan considered ongoing capital projects and energy initiatives, including self-generation and green power purchasing alternatives to address the Board of Director's goals of pursuing zero-net energy water.



# Travis Plank, EIT

## Conceptual Design

*Travis specializes in alternative energy solutions with emphasis on microgrid design and renewable natural gas projects. A results-oriented engineer, he provides technical and management capabilities to foster collaborative settings with community stakeholders.*

### Education

BS, Chemical Engineering, University of Nevada

BS, Supply Chain Management, University of Nevada

### Areas of Expertise

- Renewable and Alternative Energy Solutions
- Strategic Planning
- Operations and Management
- Controls and Automation
- Business Development

### Professional Affiliations

- California Association of Sanitary Agencies (CASA)
- Clean Water SoCal
- Orange County Water Association (OCWA)
- Water Environmental Federation (WEF)

**Microgrid Preliminary Design and Technical Specifications, Goleta Sanitary District, Goleta, CA**

**Design Lead and Primary Point of Contact.** The project provided resiliency to the district which relies solely on a single transmission line from SoCal Edison. The $165,000 project involved designing a microgrid system consisting of photovoltaic solar panels, a battery energy storage system (BESS), microgrid controller, and associated electrical equipment. In addition, technical specifications were created and provided to the district as part of the design well in advance of the typical delivery schedule (30% Design Milestone). The microgrid's annual production generates 1.4 GWh of renewable energy.

**Doheny Desalination Plant Project, South Coast Water District, Dana Point, CA**

**Senior Energy Management Specialist.** Led the design of linear motion generators to provide on-site generated power and satisfy 60% of the facility's energy consumption. The project provided the full design of a desalination facility with the goal of supplying clean water to residents who heavily depend on imported water through the desalination of ocean water. The project involved identifying unique partner agencies, evaluating optimal processes for delivery of fuel, planning and development of delivering natural gas to the site, and designing the linear generator components of the system.

**Rock Creek Biogas Utilization Design, Clean Water Services, Hillsboro, OR**

**Design Support Engineer.** Supported the planning and development of the Clean Water Services' renewable natural gas (RNG) facility at the Rock Creek WWTP. The project provided the design of an RNG facility to receive and treat biogas from the site's digesters and deliver through injection into the local utility's RNG pipeline. The project involved design of biogas pipeline routes, design support for pipeline injection, and pre-procurement efforts.

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Travis provided site layout design, coordinated fire marshal requirements, and provided compliance support on renewable fuel standards (RFS) requirements for continuous measurement, sampling, and testing of Biogas and RNG.

**Water Reclamation Energy Management Plan, City of Santa Barbara, Santa Barbara, CA**
**Process Engineer.** The project focused on optimizing the City of Santa Barbara's wastewater treatment plant to improve performance, reliability, and energy efficiency. Planned and facilitated opportunity development workshops with City staff and stakeholders to identify, evaluate, and prioritize operational and capital improvement initiatives. Developed an Opportunity Development Matrix to systematically screen and advance optimization concepts. Performed energy benchmarking and forecasting to quantify baseline performance, assess improvement potential, and support data-driven decision-making for long-term planning.

**SMART Landfill Program, Orange County Waste and Recycling, Santa Ana, CA**
**Renewable Energy Engineer.** Responsible for spearheading digital transformation initiatives to enhance system efficiency and data accuracy. Directed renewable energy program development, identifying and pursuing opportunities for conversion technology projects. Established engineering standards, providing direction and guidance on control system designs. Provided technical support for landfill gas collection and treatment systems, improving compliance and operational performance. Advised on agreement development and implementation, ensuring alignment with client goals and regulatory standards. Presented and advocated for clients to stakeholders, securing support from solid waste entities, political officials, and executive leadership. Facilitated the creation of landfill-specific master plans to ensure long-term efficiency in gas collection and control. Reviewed designs and specifications to advise clients on infrastructure improvement opportunities.

**Business Development, Multiple Clients, Southern California Region, CA**
Business Development Engineer responsible for engineering, management, and the sales cycle for the organization's Southern California region. Conducted business development activities, establishing, and maintaining a robust network for prospecting and lead generation. Managed controls and automation projects, aligning solutions with customer objectives and manufacturing processes. Collaborated with management to track sales progress and adapt strategies based on market changes, achieving annual sales goals. Developed project quotations and provided technical support, serving as the primary resource for controls and automation inquiries.

**Gas Collection and Control Systems, Multiple Clients, West Coast, USA**
Chemical Engineer. Responsible for project engineering, management, and maintenance for the organization's west coast region. Executed operations for construction and maintenance projects, coordinating efforts between construction, operations, and subcontractor teams. Managed projects scope of works, sourced vendors, and prepared cost estimates, ensuring efficient resource utilization and project delivery. Conducted quantity take-offs based on design drawings, assisting in the preparation of accurate engineer's estimates. Oversaw the replacement of treatment systems, well installations, and piping networks, coordinating construction activities, sourcing components, and performing QA/QC, ensuring timely project completion.



# Jack Yao, PE

## Electrical

*Jack has more than 20 years of experience as an electrical engineer and has successfully led dozens of multi-national EPC-type projects.*

He is experienced in medium-voltage and low-voltage power distribution systems, hazardous area classification, motor and generator applications, above ground and underground installation design, grounding systems, lighting design, and power system automation.

**Secondary Process Improvement Project, Delta Diablo Sanitation District, Pittsburg, CA**
Lead Electrical Engineer. Responsible for designing a complete 480V distribution system to provide power to the new secondary process improvements at Delta Diablo Wastewater Treatment Plant. The secondary improvements include but not limited to new Aeration Basins and Aeration Blowers, a new Secondary Clarifier, RAS and WAS Pump Station replacement, and Primary Effluent Pump replacement. The electrical scope includes providing new low voltage distribution equipment inside a new electrical room building, and replacement of the existing standby diesel generator.

**Enhanced Treatment & Site Upgrade (ETSU) Program - Phase 1B, Union Sanitary district, Union City, CA**
Lead Electrical Engineer responsible for designing a new 480V electrical distribution facility to provide power to new RAS/WAS Pump Station, Effluent Facility, secondary clarifiers, and Reclaimed Water Pump Station. The new distribution facility includes new 480V distribution switchgears, 480V MCC lineups, and other auxiliary equipment.

**State Street Water Treatment Plant, City of Chino, CA**
Lead Electrical Engineer. Responsible for designing new 480V electrical distribution systems to feed the existing pump stations and a new standalone water treatment plant. The new distribution systems includes new service entrance switchboards, new 480V MCC lineusp, and new 480V VFD's.

### Education

BS, Electrical Engineering, UCLA

### Certification/License

Professional Electrical Engineer: CA

### Areas of Expertise

- MV & LV power distribution system (up to 35kV)
- Power Distribution Center (PDC) design

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**Sidestream Treatment Facility, Eastern Municipal Water District, Perris Valley, CA**
Lead Electrical Engineer responsible for designing a complete 480V distribution system to provide power to a new sidestream treatment facility at the Perris Valley Regional Water Reclamation Facility and the Temecula Valley Regional Water Reclamation Facility. The electrical scope includes providing low voltage distribution equipment inside the treatment facility electrical room, and power distribution design to sidestream treatment loads.

**Plant 3A Biosolids Upgrade Project, Moulton Niguel Water District, Laguna Hills, CA**
Lead Electrical Engineer responsible for designing a new 480V distribution system to provide power to the Plant 3A Wastewater Treatment Plant. The electrical scope includes replacement of utility switchboard, plant main distribution switchgear, and motor control center servicing the biosolids process areas.

**Electrical Master Plan, City of Santa Rosa, Santa Rosa, CA**
Electrical Technical Advisor for the electrical master plan at the Santa Rosa WWTP. As part of the master plan effort, alternative electrical improvements were developed to replace aging electrical equipment, improve reliability and redundancy, and enhance safety.

**Design Services for Digester Room MCC-2 Upgrades, Las Gallinas Valley Sanitary District, San Rafael, CA**
Lead Electrical Engineer responsible for performing an NFPA 820 assessment to evaluate the existing electrical installation in the digester area and designing a new 480V MCC to replace an aging existing MCC feeding digester loads.

**12kV Service Entrance Power Center Upgrade, Union Sanitary District, Union City, CA**
Lead Electrical Engineer responsible for designing a new 12kV pre-fabricated service entrance power center to replace an existing service entrance switchgear to expand the existing electrical capacity at the waste water treatment plant. The new power center includes a new 12kV secondary selective switchgear lineup, a new 480V switchboard, and other auxiliary equipment.

**Biosolids & Energy Phase 1, Goleta Sanitary District, Goleta, CA**
Lead Electrical Engineer responsible for designing new Combined Heat & Power (CHP) unit to utilize digester gas to generate power to supplement plant power consumption, and a new 480V electrical distribution systems to feed new digester loads.

**Hyperion Water Reclamation Plant, Los Angeles Department of Water and Power, Los Angeles, CA**
Electrical Technical Advisor to provide assessment of the required transmission and distribution system to provide power to a future Advanced Water Purification Facility to maximize recycled water sourced from the Hyperion Water Reclamation Plant for indirect potable reuse (IPR) and direct potable reuse (DPR) applications.

**GWTP Facility Master Plan Project, Long Beach Water District, Long Beach, CA**
Electrical Technical Advisor for performing a facility wide power distribution system reliability and optimization study. The study provides a comprehensive list of recommendations to improve power reliability by introducing system redundancy, eliminating single points of failure, and optimizing backup power requirements.



# Steve Conner, PE

## Pump Station

*Steve's expertise includes complex pumping and piping system layout, hydraulic design, groundwater supply and treatment design, and construction phase assistance*

### Education

BS, Civil Engineering,
University of California, Irvine

### Certification/License

Professional Engineer: CA

### Areas of Expertise

- Pump Stations
- Well Equipping
- Pipeline Design
- Trenchless Pipeline Rehabilitation and Installation
- Steel Tanks
- Concrete Tanks

### Professional Activities

- Steel Tank Institute – AWWA D100 Water Storage Tank Seminar
- NASTT
- NASTT Trenchless Technology Short Course – New Installation
- Hydraulic Institute – Effective Pump Intake Design and Troubleshooting Problem Intakes

Steve is a professional civil engineer with 30 years of experience in the planning and design of water and wastewater infrastructure including production wells, well equipping, storage tanks, treatment systems, pipelines, booster stations, lift stations, and sewer facilities.

**Well 7A Drilling and Equipping, City of Fullerton, Fullerton, CA**
**Project Manager.** Steve was responsible for the engineering services project supporting the abandonment of Well 7 and the siting, design, and drilling of the replacement Well 7A. His responsibilities included overseeing well construction observation and preparing the Basis of Design Report for well equipping. He also led the design of the well equipping phase, which included final plans for site layout and grading, installation of a variable-frequency drive for the well pump, a sound enclosure for the motor and electrical equipment, site lighting, integration with the plant's switchboard, and a pump-to-waste system.

**State Street Water Treatment Plant, City of Chino, Chino, CA**
**Task Lead.** Steve was responsible for the equipping of Wells 12 and 14 as part of the State Street Water Treatment Plant project. Each well is designed to produce approximately 2,000 gallons per minute for treatment at the new facility. His design responsibilities included a motor control center, variable-frequency drives for the well pumps, a shade structure, sound walls, and a pump-to-waste system, along with associated site improvements to support reliable operation.

**Well 17 Equipping Project, City of Chino, Chino, CA**
**Project Manager.** Steve was responsible for preparing the preliminary design report, site layout, and equipping design for Well 17 at the Eastside Water Treatment Plant. The well is designed to produce approximately 1,400 gallons per minute for treatment at the facility. His design responsibilities included a motor control center, variable-frequency drive for the well pump, a new building with a dedicated electrical room, interior and exterior lighting, integration with the plant's switchboard and back-up generator, and a pump-to-waste system.

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# Sean Pour, PhD, PE

## Asset Management

*Sean is the asset management practice lead for Hazen's West Region with a wide range of experience helping clients to be more proactive in planning rehabilitation and replacement activities.*

### Education

PhD, Civil and Environmental Engineering, concentration in Const. Eng. And Mgmt., Oklahoma State University

MS, Civil and Environmental Engineering, concentration in Const. Eng. And Mgmt., Amirkabir University of Technology (Tehran Polytechnic)

BS, Civil and Environmental Engineering, concentration in Const. Eng. And Mgmt., Amirkabir University of Technology (Tehran Polytechnic)

### Certification/License

Professional Engineer: CA

### Areas of Expertise

- Asset Management
- Life Cycle Cost Analysis
- Asset Inventory / Condition Assessment
- Risk Assessment
- Capital Improvement Project Validation

### Professional Activities

- American Water Works Association (AWWA)
- Orange County Water Association (OCWA)
- California Water Environment Association (CWEA)

He specializes in analyzing condition data to improve the accuracy of the estimation of remaining effective life and risk. His areas of asset management specialization include assisting clients in performing remaining asset life calculation, risk assessment, life cycle cost projection, and project validation and prioritization.

**Sewage Lift Station Condition and Risk Assessment, Eastern Municipal Water District, Perris, CA**

**Asset Management Lead.** EMWD identified 38 of the 47 lift stations for complete at grade visual condition assessment. Led the team in performing field condition assessment and risk assessment (i.e., Likelihood of Failure and Consequence of Failure) rating for each lift station asset and each lift station district-wide, to determine appropriate maintenance activities and rehabilitation or repair alternatives and cost estimates. The outcome of this Project was EMWD was provided with the data and tools, including an interactive Dashboard to confidently make decisions that will ensure the long-term functionality and reliability of each lift station for EMWD's future needs.

**Water, Recycled Water, and Sewer Master Plan, Trabuco Canyon Water District, Lake Forest and Rancho Santa Margarita, CA**

**Condition Assessment Lead.** The 2022 System-wide Master Plan Update and Condition Assessment has been prepared as an update to the 1999 Water, Wastewater and Reclaimed Water Master Plan. This report provides comprehensive documentation, analysis, and recommendations for the water system, non-domestic water system, and sewer system including a calibrated GIS-based hydraulic model for each system. The Master Plan develops a Capital Improvement Program (CIP) that identifies the recommended projects needed to ensure that the District continues to provide safe, reliable, and efficient water, non-domestic water, and sewer service to its customers.

**Water Master Plan, Santa Clarita Valley Water Agency, City of Santa Clarita, CA**

**Asset Management Lead.** Led the development of logics for a risk-based prioritization of rehabilitation of the Agency's water pipelines using InfoAsset Planner software. Led the condition assessment of critical pump stations, reservoirs and treatment facilities. Using the data from the Agency's GIS, CMMS and InfoWater, built and calibrated the risk model within InfoAsset. Planner for the water pipelines and developed logics to recommended pipe segments for rehabilitation, replacement, or further condition assessment. Led the development of rehabilitation and replacement recommendations to develop CIPs. The project included training of the Agency staff on the implementation of the risk-based R&R prioritization logics in InfoAsset Planner.

**Water and Recycled Water Master Plan, City of Chino Hills, Chino Hills, CA**

**Condition Assessment Lead.** Hazen and Sawyer completed the City's Water and Recycled Water Master Plan Update. The City's goal was to create a comprehensive updated Citywide water and recycled water master plan complete with a new GIS-based hydraulic model and mapping tools. The document and the new modeling system is a guide for planning, operating, and maintaining the City's water and recycled water systems and infrastructure. The proposed CIP evaluated the City's water and recycled water system and identified recommended projects through year 2045. Major scope elements included hydraulic model development and calibration (InfoWater), system analysis, condition assessment of high priority facilities, Urban Water Management Plan, Water Shortage Contingency Plan, Master Plan final report, and a prioritized Capital Improvement Program.

**Treatment Plant Facility Improvement Master Plan, Long Beach Water Department, Long Beach, CA**

**Condition Assessment Lead.** The project entailed developing a master plan for the Groundwater Treatment Plant (GWTP) to ensure the right investments at the right time are made to ensure reliability and redundancy of the plant by enhancing the condition of existing assets. Led the condition and risk assessment of the entire facility and developed prioritized repair and rehabilitation plan to incorporate into the CIPs.

**Barrier Pump Station and Basin Rehabilitation and Replacement Project, West Basin Municipal Water District, El Segundo, CA**

**Condition Assessment Lead.** Led the detailed condition assessment of six pumps (two 150hp and four 300hp) including variable frequency drives (VFDs) and all associated mechanical, electrical and control systems. In addition, a detailed structural condition assessment was conducted of the concrete basins – the Barrier Product Water Storage Tank and Barrier Product Water Pump Station Wet Well. Prepared a technical memorandum documenting the condition assessment work and subsequently, worked with West Basin staff to prepare a project construction phasing plan to align the estimated $8 million construction project with the District's Capital Improvement Plan (CIP) budget.

**Union Sanitation District (USD), Pump Station Asset Condition Assessment Study, Union City, CA**

**Asset Management Lead.** Performed condition assessment for 2 pump stations and 4 lift stations. Evaluated business risk exposure of all the assets within these stations. Identified major CIPs for the stations and developed an implementation schedule for the CIPs. Developed an Asset Management Decision Support Dashboard using Power BI to visualize the risk and condition assessment results along with long range funding needs to better support the decision-making process for future capital investment.



# Christopher Portner, PE, CEP

## Cost Estimating

*Chris, AACE Certified Estimating Professional, leads cost estimation for Hazen's West Region, covering water, wastewater, CSO, and infrastructure projects.*

### Education

MS, Environmental Engineering, University of California at Berkeley

BS, Civil and Environmental Engineering, University of California at Berkeley

### Certification/License

Professional Engineer: CA

Certified Estimating Professional (CEP)

### Areas of Expertise

- Cost Estimating
- Wastewater Treatment Plant Design
- Wastewater Process Engineering
- Construction Management
- Scheduling
- Change Order Preparation and Negotiation
- Design Services During Construction

**Climate Resiliency Study SP-152, Orange County Sanitation District, Fountain Valley, CA**
Cost Estimator. Peparing Class 5 estimates for a climate resiliency adaptations at boundary, building and asset levels of the district's infrastructure of two treatment plants and multiple pump stations based on climate variability and change, and develop adaptation and mitigation recommendations to reduce vulnerabilities intensified by climate change. Sea level rise, flooding, wildfire and high heat were considered for impact to structures and systems. Adaptation strategies include emergency response procedures, setting new floor elevations for new CIP projects, retrofitting wall penetrations and pipe tunnel entrances.

**Capital Improvement Program, Indio Water Authority, Indio, CA**
Cost Engineer. The scope included providing cost estimates for planned replacement or construction of trans¬mission mains, pump stations, well sites, storage and treatment.

**Rio Hondo Recycled Water Pump Station Condition Assessment and Risk Failure Analysis, Central Basin Municipal Water District Commerce, Pico Rivera, CA**
Cost Engineer. The project entailed a condition assessment, risk of failure analysis, determination of remaining useful life and recommendations for rehabilitation or replacement of a critical recycled water pump station.

**West Napa Pump Station Project, Napa, CA**
Cost Estimator. In charge of increasing the firm capacity of the pump station to 15.4 mgd, and address the aging infrastructure such as the seismic condition of the 40-year old existing facility. The existing pump station was congested with little to no room for expansion of pumping capacity. Project elements include a new submersible pump station, new electrical building and infrastructure, chemical injection for corrosion control, odor control, solar panels, demo of the existing pump station and site civil improvements.

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**Ocean Water Desalination Demonstration Decommissioning Project, West Basin Municipal Water District, Redondo Beach, CA**
Cost Engineer. Project scope included demolition/abandonment of ocean intake pipe and pump station, including associated mechanical, electrical, structural and instrumentation appurtenances.

**Town of Windsor Influent Wet Well and Headworks Screening, Windsor, CA**
Cost Engineer. The Influent Wet Well and Headworks Screening Project provided upstream screening of the influent pump station and replacement of existing grit and fine screening equipment. The scope of work included alternative analysis of various vendors and technologies for both screening and grit washing equipment and detailed design of the selected alternatives. Cost estimating scope included new screening and grit equipment along with buried structures and process piping.

**Enhanced Treatment and Site Upgrade, Union Sanitary District, Union City, CA**
Cost Engineer. The project involved the design of secondary improvements at the District's wastewater treat¬ment plant. Scope included alternative analysis between MBR and conventional treatment trains, retrofitting of existing aeration basins, installation of additional process blowers, construction of clarifiers, new effluent pumping and disinfection facilities, replacement of existing operations, laboratory, and administration build¬ings and associated mechanical, HVAC, structural, electrical and instrumentation work.

**Penitencia Water Treatment Plant Clearwell Roof Improvements, Santa Clara Valley Water District, Santa Clara, CA**
Cost Engineer. An alternative analysis of corrosion reduction alternatives for an existing Al clearwell roof was conducted. Alternatives included chemical addition, coating of components, ventilation improvements, and interior baffling.

**Water Master Plan, Santa Clarita Valley Water Agency, Santa Clarita Valley, CA**
Cost Estimator. Santa Clarita Valley Water Agency (SCV Water) was created on January 1, 2018 through the merger of Castaic Lake Water Agency and its Santa Clarita Water Division, Newhall County Water District, and the Valencia Water Company. The Castaic Lake Water Agency (CLWA) was formed as a wholesale water agency to acquire, treat, and deliver State Water Project water supply throughout the Santa Clarita Valley. The Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD) and the Valencia Water Company (VWC) were the retail water purveyors. SCV Water is preparing their first Master Plan as a newly merged agency. The project includes hydraulic model development and calibration, condition assessment, asset inventory, water source and regulatory evaluation, system evaluation, CIP development, and a final master plan report.

**Water Quality Evaluation Study, Jurupa Community Services District, Jurupa Valley, CA**
Cost Estimator. The project was an analysis to evaluate design alternatives to address a range of water quality constituents, including TDS, nitrate, PFAS, VOCs, 1,2,3-TCP, 1,1-DCE, and perchlorate. This study included the development of short-term options to mitigate service risks resulting from out of service wells, as well as long-term design alternatives to address regulated contaminants, while allowing flexibility to comply with potential future regulations.



# Mayur Patel

## Energy/Mechanical Engineering

*Mayur assists primarily with tasks in areas of energy recovery, biosolids, and energy management, with the goal of integrating these practices wherever/whenever possible.*

### Education

MS, Environmental Engineering, Stanford University

BS, Civil Engineering, Sarvajanik College of Engineering and Technology

### Areas of Expertise

- Evaluations of energy recovery alternatives, including biogas pretreatment systems, Combined Heat and Power (CHP), Renewable Natural Gas (RNG), biogas-fueled dryers, and more
- Energy and environmental commodity market studies and uncertainty analyses
- Energy and billing rate optimization
- Renewable energy evaluations, including photovoltaics (PV) and floating PV
- Development of energy management dashboards

Recent, relevant projects Mayur has worked on include energy benchmarking as a part of an energy master plan, an evaluation study of biogas-fueled combined-heat-and-power (CHP) systems, renewable energy evaluation, several energy and mass balance models for evaluating biosolids treatment alternatives and energy recovery options. He also has extensive experience creating interactive Power BI dashboard deliverables.

**Energy Master Plan, Long Beach Utilities Department, Long Beach, CA**

**Assistant Engineer.** Conducted energy benchmarking across multiple processes at the groundwater treatment plant to identify and address any energy inefficiencies in energy usage as a part of the energy master plan.

**Energy Master Plan, Santa Barbara Water Resources, Santa Barbara, CA**

**Assistant Engineer.** Supported the City's energy master planning effort by conducting baseline assessments of energy usage and costs across multiple water and wastewater facilities, including review of SCADA process data, operational practices, and electricity rate structures. Col-laborated with the energy modeling contractor to align analytical meth-ods, performance metrics, and loadflexibility assessments. Participated in site visits and reviewed planning documents to identify energy opti-mization opportunities across treatment, distribution, and support systems. Evaluated the technical and financial potential of operational, procurement, efficiency, and flexibleload strategies. Identified relevant funding and incentive pathways to support implementation of the rec-ommended opportunities.

Hazen

### Battery Energy Storage System Feasibility Study, El Dorado Irrigation District, CA

**Assistant Engineer.** Supported the feasibility evaluation of a battery energy storage system (BESS) by con-ducting a baseline assessment of plant energy usage, analyzing 15minute PG&E interval data, and assisting in development of a battery storage model to characterize demand and costsaving opportunities. Evaluated operational optimization scenarios, including raw water intake pumping strategies, to maximize system per-formance. Contributed to financial modeling for multiple BESS capacity alternatives by assessing costbenefit outcomes and analyzing potential funding mechanisms including the Investment Tax Credit (ITC) and Self-Generation Incentive Program (SGIP) to determine economic viability.

### Master Plan Update and Cogeneration Upgrade Design, City of Sunnyvale Clean Water Program, Sunnyvale, CA

**Assistant Engineer.** Conducted a battery storage evaluation to analyze the financial benefits of implementation for reducing on-peak demands and potentially achieving energy neutrality for the plant, while performing a comprehensive examination of billing rates.

### Co-Digestion Feasibility Study, Union Sanitary District, Union City, CA

**Assistant Engineer.** Developed an energy balance and financial model with the goal of assessing the Combined Heat and Power (CHP) alternative at the site to achieve energy neutrality. Evaluated the technical, financial, environmental, and risk considerations of the CHP alternative.

### Beneficial Use of Digester Gas at Regional Water Reclamation Facilities (Update 2023), Eastern Municipal Water District, Perris, CA

**Assistant Engineer.** Examined various systems for utilizing digester gas to derive benefits, encompassing combined heat and power (CHP), renewable natural gas (RNG), and flaring, while evaluating their technical, financial, environmental, and risk aspects. The objective was to assess any significant changes in market conditions, costs, and other factors since the last evaluation completed in 2017 to inform updated gas utilization strategies and recommendations.

### Renewable Natural Gas Public Private Partnership - El Paso Water, El Paso, TX

**Assistant Engineer.** Supporting the Owner's Advisory team on a staged RFQ/RFP solicitation for a renewable natural gas (RNG) public-private partnership (P3). Assisting with early-stage technical review activities, in-cluding preliminary data reconnaissance related to biogas production, site conditions, and interconnection considerations. Contributing to coordination with key stakeholders such as technology vendors and the local gas utility to help define project roles, system interfaces, and scope boundaries for the future P3 partner.

### Digester Gas Utilization Technical/Funding Evaluation, East Central Regional Water Reclamation Facility, West Palm Beach, FL

**Assistant Engineer.** Developed an energy and finance model to evaluate systems to beneficially use digester gas, including combined heat and power (CHP), renewable natural gas (RNG), and biosolids drying. Assessed technical, financial, environmental, and risk aspects of the alternatives.

### Electrical Assessment Engineering Study, Parker Water and Sanitation District, Parker, CO

**Assistant Engineer.** DConducted a solar assessment for multiple district sites to determine the viability of solar installation, factoring in capital costs, life-cycle expenses, and potential tax incentives.



# Hope Dymond, EIT

## Energy Engineering

*Hope has developed solar and battery systems for public, commercial and industrial customers. She is well acquainted with the complexities of renewable energy project design, optimization, and economic feasibility.*

### Education

BSE, Environmental Engineering, University of Connecticut, Magna Cum Laude

### Areas of Expertise

- Renewable Energy Development
- Solar PV and large-scale battery storage design optimization
- Electricity markets and policy
- Electric transmission siting and permitting

**High Desert Solar Project, Los Angeles County, Lancaster, CA**
**Senior Development Analyst.** Responsible for completing project economic feasibility analysis and determining client financial benefit. The project consists of two 4-megawatt solar photovoltaic facilities on County-owned property, and major components include solar PV panels, mounting structures, power conditioners and site access and fencing. The solar electricity generated by the solar PV facility would be fed to the electrical grid through two separate interconnections provided by Southern California Eidson (SCE). The feasibility analysis involved equipment costing, operations and maintenance costing, tax treatment of interconnection costs, and response to federal policy changes.

**Civic Center Solar Photovoltaic and Energy Storage Project, City of Irvine, Irvine, CA**
Senior Development Analyst. Responsible for updating project feasibility analysis considering state energy programs. The project consists of the development of an approximately 2-megawatt solar photovoltaic carport system plus an approximately 1-megawatt battery at the City's Civic Center property. A microgrid component is also included in the system to improve resilience and extend functionality of critical City operations in the event of a power disruption. The state programs analyzed included California self-generation incentive rebates (SGIP, ESGIP) to fund the battery energy system and net energy metering regimes (NEMA, NEM2, and NEM3) to optimize returns from power export to the grid.

Hazen

**Solar Photovoltaic Array + Energy Storage Project for Large Polytechnic University, CA**
Project Development Analyst. Responsible for early-stage design and pricing for response to University RFP. Awarded project in 2024. The project consists of the installation of a battery storage system sized to provide power to cover the University's campus operations from 4PM through 9PM. Power generated for the batteries to come from solar carport systems installed at various parking lots across campus. A limited microgrid component is also included in the system to improve resilience. The RFP response required equipment costing, operations and maintenance costing, and review of available federal and state incentives.

**Solar Photovoltaic Project for Large Agricultural Commodities Company, IL**
Project Development Analyst. Responsible for early-stage design and pricing for response to competitive RFP. Awarded project in 2025. The project consists of an approximately 25-megawatt solar photovoltaic facility, and major components include solar PV panels, mounting structures, power conditioners and site access and fencing. The RFP response required equipment costing, operations and maintenance costing, and review of available federal and state incentives. To secure the major state incentive in Illinois, known as the Adjustable Block Program, the system had to be designed within program constraints.

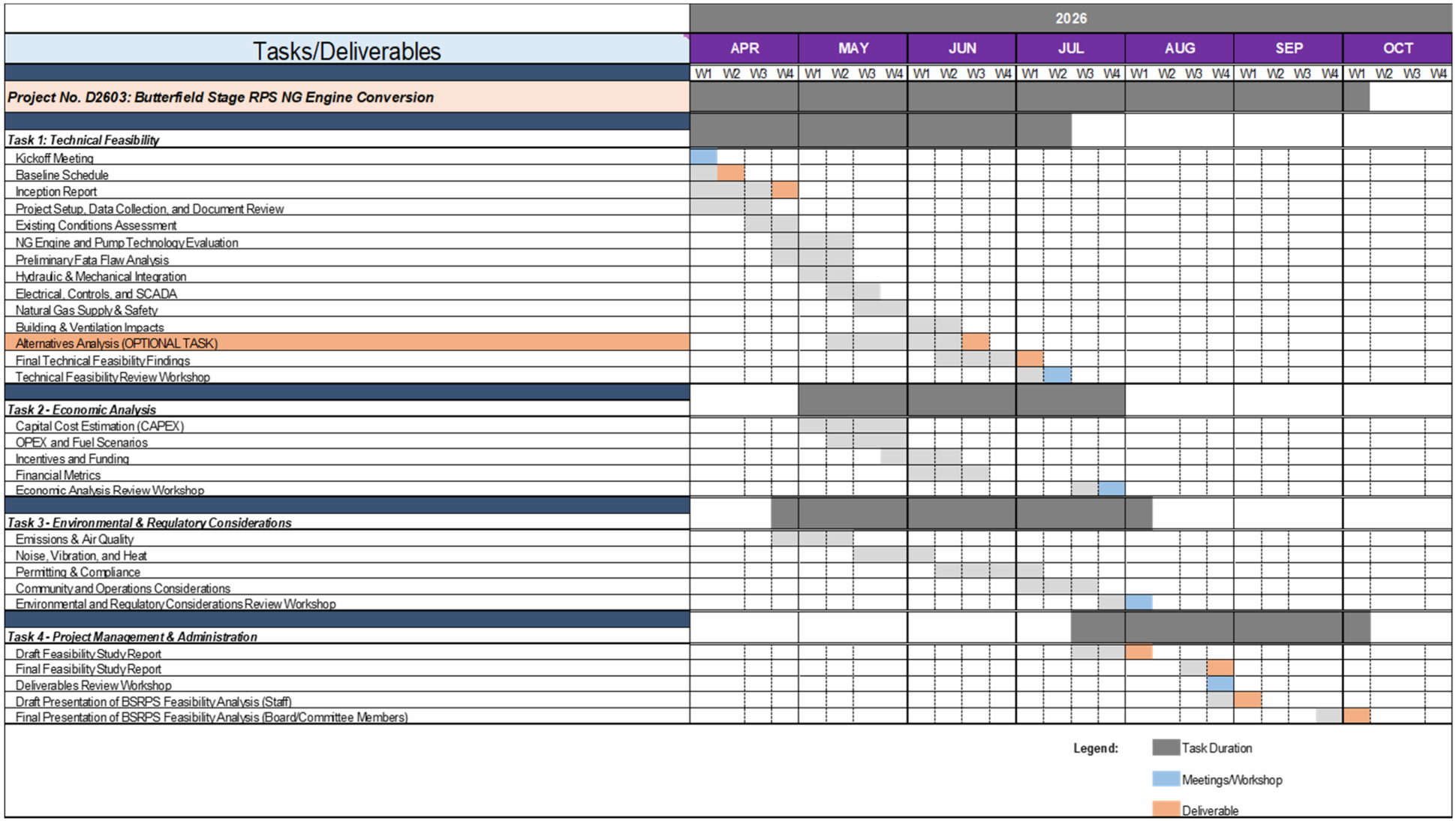
**Whitefield to Berlin (S136) Line Rebuild Project, Eversource, Coös County, NH**
Siting Analyst. Responsible for evaluating permitting risk level ahead of project commencement. The project consists of upgrades to a 26-mile, 115 kV transmission line built in 1969 to improve reliability and replace aging infrastructure. Specific upgrades include wooden pole replacement with weathering steel, conductor replacement, and optical ground wire installation for fiber optic communication along the entire line. Work to occur within the existing transmission right-of-way between the two terminal substations of the line. The local and state permitting needs were evaluated for this project, along with other projects of similar scope, to support the creation of a strategic construction timeline.

# Appendix B: Schedule

This task is estimated to be completed within 180 calendar days from the Notice to Proceed. Below shows a detailed schedule for each task including the duration for Rancho Water's review of deliverables stated in the assumptions section. Any variation or extension of the project schedule, following the Notice to Proceed, will not occur without prior approval by Rancho Water. For Rancho Water's consideration, the schedule includes optional Task 1.9 – Alternatives Evaluations; this task will not occur without prior approval by Rancho Water.

Hazen

Nikolay Lyuber, PE
February 13, 2026



# Appendix C: Professional Services Fee Estimate

Compensation will be on a time-and-materials fee basis with a not-to-exceed limit of **$236,055** in accordance with the Fee Estimate provided below. The not-to-exceed amount will not be exceeded without prior written authorization by Rancho Water. Additional tasks will not be performed by Hazen without prior written authorization by Rancho Water. In addition, the estimate includes an optional adder of $41,880 for Task 1.9 – Alternatives Evaluations (optional) for Rancho Water's consideration; Hazen will not perform this task without prior approval by Rancho Water.

Hazen

Nikolay Lyuber, PE
February 13, 2026

| Hazen | Hazen and Sawyer | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Principal in Charge | Project Manager | QA/QC | Design Lead | Asset MGT | Electrical Engineer | Pump Engineer | Cost Estimating | Energy Engineer | Financial Modeling | Permitting/Compliance | | | | |
| | $400 | $340 | $340 | $225 | $310 | $310 | $340 | $310 | $175 | $175 | $225 | | | | |
| | | | | | | | | | | | | TMH | Labor | ODC | Total |
| ***Task 1 - Technical Feasibility*** | | | | | | | | | | | | | | | |
| 1.1 Project Setup, Data Collection, and Document Review | 0 | 4 | 0 | 10 | 2 | 4 | 2 | 0 | 12 | 4 | 0 | 38 | $8,950 | $500 | $9,450 |
| 1.2 Existing Conditions Assessment | 0 | 4 | 1 | 14 | 2 | 4 | 2 | 0 | 12 | 0 | 0 | 39 | $9,490 | $0 | $9,490 |
| 1.3 NG Engine and Pump Technology Evaluation | 0 | 4 | 2 | 24 | 2 | 0 | 4 | 0 | 16 | 8 | 0 | 60 | $13,620 | $0 | $13,620 |
| 1.4 Preliminary Fatal Flaw Analysis | 0 | 1 | 1 | 8 | 4 | 4 | 4 | 0 | 2 | 0 | 2 | 26 | $7,120 | $0 | $7,120 |
| 1.5 Hydraulic & Mechanical Integration | 0 | 4 | 1 | 16 | 16 | 0 | 8 | 0 | 12 | 0 | 0 | 57 | $15,080 | $0 | $15,080 |
| 1.6 Electrical, Controls, and SCADA | 0 | 4 | 1 | 14 | 2 | 4 | 1 | 0 | 12 | 0 | 0 | 38 | $9,150 | $0 | $9,150 |
| 1.7 Natural Gas Supply & Safety | 0 | 4 | 1 | 24 | 2 | 1 | 0 | 0 | 16 | 8 | 0 | 56 | $12,230 | $0 | $12,230 |
| 1.8 Building & Ventilation Impacts | 0 | 2 | 1 | 16 | 2 | 0 | 0 | 0 | 12 | 0 | 0 | 33 | $7,340 | $0 | $7,340 |
| 1.10 Final Technical Feasibility Findings | 1 | 6 | 2 | 24 | 4 | 4 | 4 | 2 | 24 | 4 | 0 | 75 | $17,880 | $500 | $18,380 |
| **TASK 1 TOTALS** | **1** | **33** | **10** | **150** | **36** | **21** | **25** | **2** | **118** | **24** | **2** | **422** | **$100,860** | **$1,000** | **$101,860** |
| ***Task 2 - Economic Analysis*** | | | | | | | | | | | | | | | |
| 2.1 Capital Cost Estimation (CAPEX) | 0 | 4 | 3 | 5 | 4 | 4 | 4 | 10 | 6 | 16 | 0 | 56 | $14,295 | $0 | $14,295 |
| 2.2 OPEX and Fuel Scenarios | 0 | 4 | 3 | 5 | 4 | 4 | 4 | 10 | 6 | 16 | 0 | 56 | $14,295 | $0 | $14,295 |
| 2.3 Incentives and Funding | 0 | 4 | 3 | 5 | 4 | 4 | 3 | 10 | 6 | 16 | 0 | 55 | $13,955 | $0 | $13,955 |
| 2.4 Financial Metrics | 0 | 4 | 3 | 5 | 4 | 4 | 3 | 9 | 6 | 16 | 0 | 54 | $13,645 | $500 | $14,145 |
| **TASK 2 TOTALS** | **0** | **16** | **12** | **20** | **16** | **16** | **14** | **39** | **24** | **64** | **0** | **221** | **$56,190** | **$500** | **$56,690** |
| ***Task 3 - Environmental & Regulatory Considerations*** | | | | | | | | | | | | | | | |
| 3.1 Emissions & Air Quality | 0 | 1 | 1 | 20 | 2 | 2 | 2 | 0 | 20 | 0 | 4 | 52 | $11,500 | $0 | $11,500 |
| 3.2 Noise, Vibration, and Heat | 0 | 1 | 1 | 20 | 2 | 4 | 2 | 0 | 20 | 0 | 4 | 54 | $12,120 | $0 | $12,120 |
| 3.3 Permitting & Compliance | 0 | 1 | 1 | 20 | 2 | 4 | 2 | 0 | 20 | 0 | 4 | 54 | $12,120 | $0 | $12,120 |
| 3.4 Community and Operations Considerations | 0 | 1 | 1 | 20 | 2 | 4 | 2 | 0 | 20 | 0 | 4 | 54 | $12,120 | $500 | $12,620 |
| **TASK 3 TOTALS** | **0** | **4** | **4** | **80** | **8** | **14** | **8** | **0** | **80** | **0** | **16** | **214** | **$47,860** | **$500** | **$48,360** |
| ***Task 4 - Project Management & Administration*** | | | | | | | | | | | | | | | |
| 4.1 Project Controls | 1 | 10 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | $4,250 | $0 | $4,250 |
| 4.2 Quality Management (QA/QC) | 1 | 8 | 4 | 10 | 0 | 0 | 0 | 4 | 4 | 4 | 0 | 35 | $9,370 | $0 | $9,370 |
| 4.3 Meetings & Workshops | 2 | 10 | 4 | 12 | 1 | 1 | 1 | 1 | 1 | 4 | 0 | 37 | $10,405 | $1,500 | $11,905 |
| 4.4 Communications & Invoicing | 0 | 8 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | $3,620 | $0 | $3,620 |
| **TASK 4 TOTALS** | **4** | **36** | **8** | **28** | **1** | **1** | **1** | **5** | **5** | **8** | **0** | **97** | **$27,645** | **$1,500** | **$29,145** |
| **TASKS 1-4 TOTALS** | **5** | **89** | **34** | **278** | **61** | **52** | **48** | **46** | **227** | **96** | **18** | **954** | **$232,555** | **$3,500** | **$236,055** |
| 1.9 Alternatives Evaluations (OPTIONAL TASK) | 2 | 6 | 3 | 24 | 16 | 16 | 4 | 24 | 40 | 24 | 12 | 171 | $41,880 | $0 | $41,880 |
| **TASKS 1-4 TOTALS (With Optional Task)** | **7** | **95** | **37** | **302** | **77** | **68** | **52** | **70** | **267** | **120** | **30** | **1125** | **$274,435** | **$3,500** | **$277,935** |

Proposal for

**Rancho California Water District | Project #D2603**

# Butterfield Stage Road Pump Station Natural Gas Engine Conversion

February 13, 2026







WOOD RODGERS

February 13, 2026

Mr. Gregory Gill, PE, PLS | Principal Engineer
Rancho California Water District
42135 Winchester Road
Temecula, CA 92590

## RE: REQUEST FOR PROPOSALS | BUTTERFIELD STAGE ROAD PUMP STATION NATURAL GAS ENGINE CONVERSION

Dear Mr. Gill,

Wood Rodgers is excited to submit our proposal for the Butterfield Stage Road Pump Station Natural Gas Engine Conversion Project. We have taken great care in preparing for this project by reviewing all of the RFP materials, including responses to proposer questions, and are ready to immediately begin work should we be awarded this project.

For feasibility studies such as this, we know how critical it is to have a collaborative and technically diverse team that works closely with the District's Engineering and Operations staff to vet ideas and concepts at the right stage to avoid missteps and to allow for the pivoting of the project focus if needed. Therefore, we have assembled a motivated team of professionals to meet the District's objectives in evaluating the feasibility of converting Pumping Units 1 and 2 from electrically driven vertical turbine pumps to a single natural gas engine driven horizontal split case pump.

In addition to the strong technical team we are proposing for this project, we would like to highlight some of the items that we feel make us the right team to work collaboratively with the District staff on this pump station conversion project.

- **Our Principal-in-Charge/Project Manager, Karl Meier, PE, excels at communicating and will be working hand-in-hand with District staff for the duration of the project. Karl will be proactive in communicating all aspects of the project with the District.**
- **Eddie Gosse, PE, is a registered mechanical engineer with extensive experience in a variety of pump types and pumping station designs, including the unique aspects of engine driven pumps.**

We have developed a clear and concise approach for conducting the feasibility study to ensure the right elements are analyzed up front and discussed with the District prior to moving on to other aspects of the feasibility study. Our ultimate goal is to provide the District with a clear evaluation of the feasibility of this project in an efficient manner that considers not only operations and maintenance needs, but also provides cost savings to the District and its rate payers.

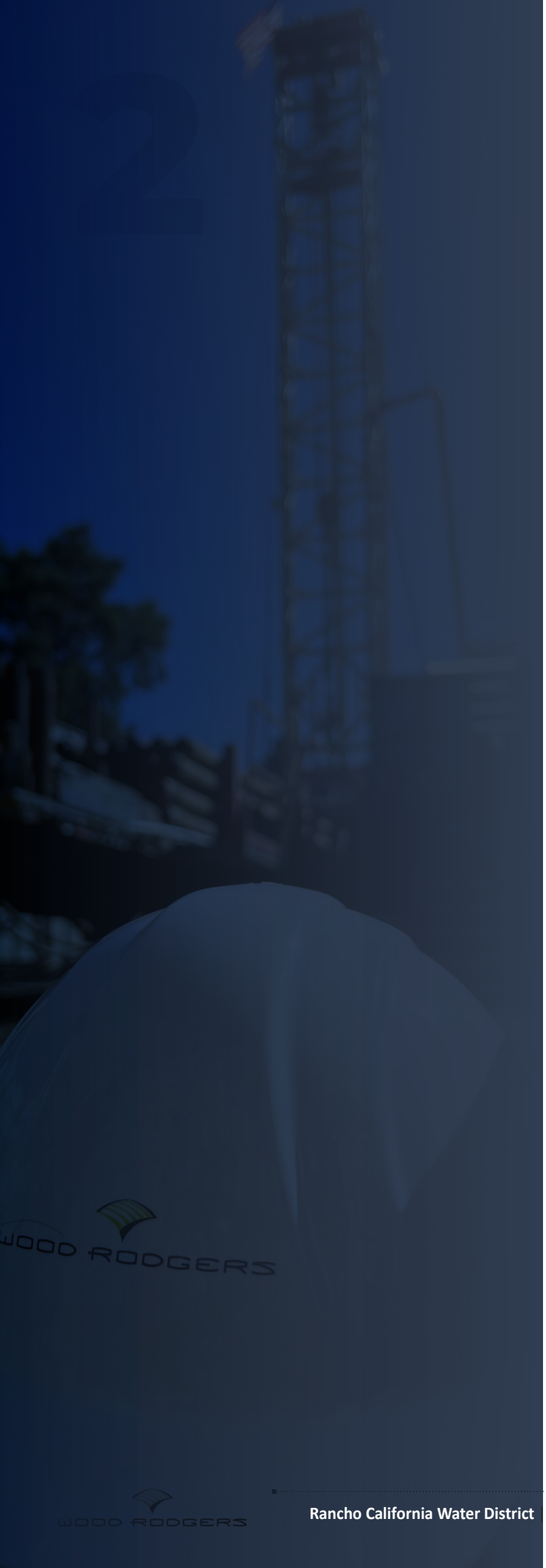
We take pride in our ability to exceed your expectations, and hope that our approach to this project demonstrates our attention to detail and knowledge of pumping facilities. The Wood Rodgers team is grateful for the opportunity to submit this Proposal, and we look forward to your response.

Wood Rodgers acknowledges receipt of the set of questions and answers released on February 3, 2026.

Please feel free to contact me at (619) 819-9222 or via email at kmeier@woodrodgers.com to discuss our proposal in detail. We look forward to the opportunity to continue working with the Rancho California Water District and its staff.

Sincerely,

Karl Meier, PE
Principal-in-Charge/Project Manager
*(Authorized to Bind the Firm)*



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# 2 PROJECT UNDERSTANDING

The **Butterfield Stage Road Pump Station (BSRPS)** is a critical pump station that conveys water from the District's lower 1305 pressure zone (PZ) to the 1485 PZ. The pump station is currently equipped with six vertical turbine pumps with a total rated capacity of 17,400 gallons per minute (gpm). Per the District's 2015 Water Facilities Master Plan, the BSRPS has six (6) pumps installed with varying capacities, as shown in the table below. The 2015 Water Facilities Master Plan also included Southern California Edison (SCE) pump test data with efficiencies as shown below. From this test information, Pumping Unit No. 1 was not tested and Pumping Unit No. 2 had an efficiency of 345. Per SCE, a good energy use metric is generally in the 200-300 kWh/AF range, with highly efficient systems nearing 200 kWh/AF.

| Pump Unit Number | Design Flow Rate (gpm) | Edison Test Date | Efficiency (kWh/AF) |
|---|---|---|---|
| 1 | 4,333 | - | - |
| 2 | 2,600 | 4/1/2024 | 345 |
| 3 | 4,200 | 4/1/2024 | 286 |
| 4 | 2,600 | 4/1/2024 | 299 |
| 5 | 4,000 | 4/1/2024 | 357 |
| 6 | 4,000 | 4/1/2024 | 339 |

***BSRPS Pump Capacities*** *(2015 RCWD Water Facilities Master Plan)*

This project will assess the technical and economic feasibility of replacing Pumping Units No. 1 and No. 2 with a single natural gas engine driven pump with a rating of approximately 8,000 gpm. The District's primary objective is to determine if the removal of the existing electrically driven vertical turbine pumps and replacement with an engine driven single stage double suction horizontal split case pump results in an overall cost savings when considering capital costs, operation and maintenance costs and power costs (i.e. natural gas vs electricity). We recognize that this feasibility study involves **multiple components** that must be evaluated to determine the overall viability of the project, as summarized below.

- **Feasibility of integrating the natural gas engine and horizontal split case pump within the existing building with minimal impacts to the structure**
- **Evaluation of the environmental advantages and disadvantages associated with natural gas engines, as compared to electric motors.**
- **Cost benefit of natural gas engines as compared to electric motors considering capital costs, operation and maintenance costs and power costs.**
- **Availability of natural gas supply for the BSRPS, required infrastructure to support this fuel source and associated regulatory compliance associated with a natural gas engine.**

While all of the components discussed above are important to assessing the project's overall feasibility, certain elements may constitute "non starters" that could prevent the project from moving forward. We recognize the importance of identifying and prioritizing these critical factors early in the process and bringing them to the District's attention as they arise, rather than waiting until a draft report is issued. With this in mind, we propose an approach the offers the District "off ramps." We will prioritize evaluating the technical feasibility of the conversion before assessing other elements such as power costs, environmental impacts, and regulatory considerations as any technical "non starter" may eliminate the need for further analysis. This phased approach allows the District to pivot as necessary while avoiding unnecessary analysis and associated costs. ***Additional details on this evaluation methodology are provided in our Project Approach section on page 9.***

# 3 PROJECT TEAM

## EXPERIENCED PROFESSIONALS COMMITTED TO RCWD'S PROJECT SUCCESS

Wood Rodgers offers a skilled team dedicated to this District's project, with a proven history of delivering high-quality, on-budget services across California. This team, including our subconsultant BSE, have worked together on pumping facility projects for Rancho Water as well as countless other public agencies.

Rancho Water
WORKING FOR OUR COMMUNITY

**PROJECT TEAM LEGEND**
- Wood Rodgers, Inc.
- BSE Engineering

★ = Key Staff



**Karl Meier, PE ★**
Principal-in-Charge/
Project Manager



**Kevin Gustorf, PE ★**
QA/QC Manager

### TECHNICAL SUPPORT STAFF

#### MECHANICAL/CIVIL TEAM

**Eddie Gosse, ME ★**
Lead Mechanical Engineer

**Alia Meier, PE ★**
Lead Civil Engineer

**Adrian Gutierrez, PE**
Assistant Engineer

#### STRUCTURAL TEAM

**Anthony Johnson, PE, SE ★**
Lead Structural Engineer

#### ELECTRICAL, MECHANICAL, INSTRUMENTATION & CONTROLS ENGINEERING

**Alan Brown, PE, MBA, LEED AP BD+C ★**
Lead Engineer, I&C Engineer

**Brandon Reed, PE ★**
Electrical Engineer

**Jordan Katz, PE ★**
I&C Engineer

**Bobby Rodrigues, PE**
Mechanical Engineer

## DEDICATED TEAM
### READY TO SUPPORT RCWD

Resumes for key staff are included on the following pages, highlighting their qualifications, licenses, and relevant project experience.



**TITLE & EMAIL:**

Principal-in-Charge

kmeier@woodrodgers.com

**EDUCATION:**

BS, Civil Engineering,
New Mexico State University

**REGISTRATIONS/ CERTIFICATIONS:**

Prof. Civil Engineer, CA #71713

USACE, Construction Quality Mgmt. (CQM) for Contractors Cert., SPK-USACE-02-18-00060

Occupational Safety & Health Admin., OSHA 30-Hour Construction Cert. #4163274

## KARL MEIER, PE

Karl Meier brings 22 years of experience as both a consultant and District Engineer, providing a comprehensive understanding of public water system operations, maintenance, planning, and design. His direct experience with Rancho California Water District gives him in-depth familiarity with the District's standards, infrastructure, and operational goals, enabling him to anticipate needs and deliver solutions aligned with RCWD's priorities. His expertise spans pipelines, pump stations, wells, reservoirs, recycled water systems, master planning, and hydraulic modeling, supported by construction management and inspection experience that ensures designs are practical, efficient, and cost-effective. Together, this ***blend of technical expertise, hands-on construction knowledge, and proven RCWD experience*** positions him to deliver immediate and lasting value to the District.

### RELEVANT PROJECT EXPERIENCE:

**Charter Oak Pump Stations No. 1 & 2, City of Camarillo – Camarillo, CA |** Serving as Principal in Charge and Project Manager. To reduce treated imported water purchases and meet customer demands in the City of Camarillo's higher elevation pressure zones 420 and 445A, two new pump stations are necessary (Charter Oak Pump Stations 1 & 2). Wood Rodgers is providing planning and design services including hydraulic modeling, assistance with property acquisition, and pump station design.

**Hillcrest and Silverado Highlands Pump Station Replacement, City of Napa – Napa, CA** Project Manager responsible for supervising and coordinating all design elements for this project, which consisted of the simultaneous design of two potable water pumping stations for the City of Napa. Wood Rodgers provided design services for the replacement of these pump stations. Both pump stations had a new CMU block building and diesel powered emergency generator. The pump stations are capable of pumping up to 1,000 gpm to meet fire flow requirements.



**TITLE & EMAIL:**

QA/QC Manager

kgustorf@woodrodgers.com

**EDUCATION:**

BS, Civil Engineering, Loyola Marymount University, Los Angeles

**REGISTRATIONS/ CERTIFICATIONS:**

Professional Civil Engineer, CA #64755

## KEVIN GUSTORF, PE

With 26 years of water resources expertise, Kevin Gustorf offers proven leadership in planning, design, construction, and management of water and wastewater infrastructure for municipalities, special districts, and private clients across California. His background spans master planning, hydraulic modeling, and the design of pipelines, pump stations, wells, tanks, and reservoirs, including both new construction and rehabilitation of existing facilities. Kevin has successfully managed hundreds of projects—ranging from small task orders to large, multi-million-dollar, multi-discipline efforts—consistently delivering on schedule and under budget. Known for his integrity, collaboration, and communication skills, ***Kevin builds trust with clients while ensuring high-quality, cost-effective solutions***. His experience and leadership style align directly with RCWD's goals, making him a strong asset to the District.

### RELEVANT PROJECT EXPERIENCE:

**Las Vegas Valley Water District, C1244 Frias 2635 Zone Reservoir & 2745 Zone Pumping Station – Clark County, NV |** QA/QC Manager for the design of the Frias 2635 Zone Reservoir and 2745 Zone Pumping Station. The major project elements included: a 30 MG buried, reinforced concrete reservoir; a 53 mgd pumping station (expandable to 106 mgd); pumping station building and buried wet well (forebay) design; yard piping and valves ranging in size from 42- to 90-inches in diameter; disinfection facilities; associated electrical and instrumentation and control system design; and off-site street improvements on Cactus Ave.

**City of Simi Valley, Walnut Avenue Pump Station VCWWD #8, CA |** Serving as QA/QC Manager. Wood Rodgers is currently designing a new pumping station for the City of Simi Valley/Ventura County Waterworks District #8. The pump station consists of three vertical turbine pumps with a firm capacity of 2,700 gallons per minute. The facility includes a new CMU building, emergency generator and site improvements.



## ALIA MEIER, PE

Alia Meier is a registered civil engineer with over 12 years of experience in site improvements and complex water and sewer infrastructure, including grading, pipelines, force mains, pump stations, wells, pressure-reducing stations, and reservoirs. Proficient in AutoCAD Civil 3D, Revit, Navisworks, and Bluebeam Revu, she delivers accurate, efficient designs. ***Alia's prior experience with RCWD has equipped her with a strong understanding of District standards, enabling her ability to provide high-quality, tailored solutions*** - making her a valuable contributor to RCWD projects.

### RELEVANT PROJECT EXPERIENCE:

**Lake Murray Pump Station Evaluation, City of San Diego – San Diego, CA |** Served as Lead Project Engineer. The Lake Murray Pump Station (LMPS) conveys raw water from Lake Murray to the Alvarado Water Treatment Plant. The City needs to have the ability to rely on the LMPS to produce drinking water in the event that other raw water sources are unavailable on peak summer days extending ten days. Wood Rodgers developed and evaluated alternative improvements to the LMPS to increase its capacity up to 120 MGD. Wood Rodgers performed a detailed hydraulic evaluation of the pump station and conveyance system to analyze hydraulic performance in accordance with Hydraulic Institute Standards. The evaluation also included a life cycle cost analysis and the development of opinions of probable construction cost for each alternative.

**Foothill Pipeline Turnout, San Bernardino Valley Water Conservation District – Highland, CA** Project Engineer. Wood Rodgers prepared a feasibility study & conceptual design to evaluate installing a turnout from the Foothill Pipeline to recharge basins near the Santa Ana River. The Foothill Pipeline is a 78-inch-diameter welded steel pipeline with mortar lining, tape wrap, and mortar coating, a 3/8-inch wall thickness, and an operating pressure of approximately 250 psi at the project site. The study evaluated dissipation valve alternatives with associated cost comparisons. Conceptual drawings included a 30-inch CML&TWMC steel pipeline with a recommended energy dissipation valve, a secure buried vault, and associated valving and appurtenances.

**TITLE & EMAIL:**

Lead Civil Engineer

ameier@woodrodgers.com

**EDUCATION:**

BS, Civil Engineering, University of Nevada, Reno

**REGISTRATIONS/ CERTIFICATIONS:**

Professional Civil Engineer, CA #88805

NASSCO PACP/LACP/MACP #P0049997-092024



## EDDIE GOSSE, ME

Eddie Gosse brings 27 years of mechanical and process engineering experience, providing technical leadership for a wide range of agricultural and municipal water and wastewater projects. He has led feasibility studies, design, construction support, and startup operations, offering expertise in pump stations, chemical treatment systems, well equipping, solids handling, and process equipment. Eddie excels at coordinating multidisciplinary teams and resolving operational challenges, making him ***well-equipped to optimize RCWD's water and wastewater systems***, enhance treatment efficiency, and ensure reliable, high-quality service for the community.

### RELEVANT PROJECT EXPERIENCE:

**Lennar, Lakeside Tank & Booster Pump Station – Sutter, CA |** Mr. Gosse led design and construction oversight for the storage and pumping facility for a new 875-acre development. The development is not tied to any other source; therefore, the design has to satisfy the full 0-10,170 gpm range required. The design consists of 25, 60, and 200 HP vertical turbine pumps in suction cans, a bladder tank, two 1.4 MG steel storage tanks, a control building, and twin 400 kW generators. Eddie also performed the hydraulic analysis to ensure optimized pump sizing for the broad flow range without gaps in coverage or excessive overlap with efficient pump curve operation. The analysis allowed multiple control parameters to be set in advance of startup efforts including VFD ramp rates, start/stop delays, and pump sequencing, and development of the control narratives for the control programming.

**City of Sacramento, Sacramento River WTP Improvements Phase 2 – Sacramento, CA |** Mr. Gosse was the facility technical and process mechanical lead for a consolidated 160 MGD high service pump station to replace multiple aging facilities. The station includes eight 1,000 HP vertical turbine pumps, a 10-ton bridge crane, and a residual analyzer station. Eddie designed the 3D layout and coordinated with the client and multi-consultant team to establish the design criteria and final design. Preliminary design included development of alternate vertical turbine vs. horizontal split case pump layouts per City request for initial consideration. Eddie performed the system hydraulics analysis to optimize pump selection and operational efficiency. He designed or guided the direction for many auxiliary features, including ingress/egress, bridge crane design, analyzer panel layout, and drainage. The facility has since been utilized by AWWA for hosting regional conference tours.

**TITLE & EMAIL:**

Lead Mechanical Engineer

egosse@woodrodgers.com

**EDUCATION:**

BS, Civil Engineering, California State University, Sacramento

**REGISTRATIONS/ CERTIFICATIONS:**

Professional Mechanical Engineer, CA #32246



## ANTHONY JOHNSON, PE, SE

Anthony Johnson is a structural engineer with 29 years of experience in design and construction management for public and private projects in California and Nevada. He specializes in water resources structures, building projects with lateral force-resisting systems, and seismic retrofits. Anthony manages multi-disciplinary teams, develops structural plans and specifications, and provides construction support including shop drawing review and conflict resolution.

### RELEVANT PROJECT EXPERIENCE:

**Alvarado Pump Station Improvements, Union Sanitary District – Union City/Alameda County, CA |** Structural Engineer for the pump station improvements. Scope included the selection and design of the four (4) 125 HP vertical axial propeller pumps, one (1) 15 HP submersible solids handling pump and 36" flap gate replacement. The project scope includes converting a the existing 234 cfs pump station from diesel engine driven pumps to electric motor driven pumps and a new 800 kW backup emergency generator.

**Raw Water Lift Station Condition Assessment, East Contra Costa Irrigation District – Brentwood, CA |** Structural Engineer assessing six 100-year-old lift stations for ECCID. Conducted structural, mechanical, and civil evaluations, including Pump Station 2, to determine safety and required improvements. Prepared structural calculations per ASCE 7-10 and ACI 318-14, and summarized recommended retrofit improvements for all stations.

**TITLE & EMAIL:**

Lead Structural Engineer

ajohnson@woodrodgers.com

**EDUCATION:**

MS & BS, Civil Engineering, California State University, Sacramento

**REGISTRATIONS/CERTIFICATIONS:**

Prof. Civil Engineer, CA #60515

Prof. Structural Engineer, CA #5349

BSE ENGINEERING





## ALAN BROWN, PE, MBA, LEEP AP (BD+C)

Alan Brown, P.E., brings over 39 years of experience in electrical engineering for institutional and government facilities. His expertise includes site and building electrical systems, generator systems, motor controls, lighting design, telecommunications infrastructure, photovoltaic systems, and LEED-compliant electrical solutions. Mr. Brown is also a Certified Plan Reviewer (ICC #1027131) and a recognized expert in Electrical Code compliance.

### RELEVANT PROJECT EXPERIENCE:

**Chet Harritt Pump Station Replacement, Helix Water District, Lakeside, CA**
Principal Electrical Engineer. Supervision and design of electrical and controls for new major water pump station adjacent Lake Jennings. Work included new utility service, 1000kW generator, VFDs and redundant switchboards, and compressor plant for lake aeration system (over 1800HP connected load). Provided complete P&ID, RTU panel, and instrumentation wiring design.

**Parker Pump Station Rehabilitation, City of Coronado, Coronado, CA**
Principal Electrical Engineer. Electrical supervision and design for $26.8M replacement of stormwater pump station and sewer lift station. Work included new SDG&E service, motor control center, 1.25MW generator, power and lighting, communication, and P&ID and controls. The project was designed to keep the existing pump station in operation during the construction with a minimal cutover period.

**TITLE & EMAIL:**

Principal Electrical Engineer

abrown@bseengineering.com

**EDUCATION:**

MBA, Univ. of San Diego, 1992

BSEE, CSU Sacramento, Electrical Engineering, 1987

**REGISTRATIONS/CERTIFICATIONS:**

Prof. Electrical Engineer, CA #60515

Prof. Structural Engineer, CA #5349



## BRANDON REED, PE

Brandon Reed, P.E., brings extensive experience across municipal/water, commercial, corporate, higher education, and healthcare projects, with a strong background in both design-bid-build and design-build delivery methods. His expertise includes managing MEP teams from project inception through completion, designing power distribution systems, ensuring Title 24 compliance, and developing security/intrusion system designs.

### RELEVANT PROJECT EXPERIENCE:

**Carancho Pump Station Upgrades, Rancho California Water District, Temecula, CA**
Senior Electrical Associate. Led MEP project team for Preliminary Design Report of proposed expansion, and electrical and control upgrades. Report included proposed pump station configurations. Performed site investigation, utility coordination, load calculations, motor starting calculations, single line diagrams, and electrical equipment layouts.

**Chet Harritt Pump Station Replacement, Helix Water District, Lakeside, CA**
Senior Electrical Associate. Lead Electrical Engineer for new major water pump station including new utility service, new electrical equipment sizing and layouts, VFDs and redundant switchboard, 1MW backup generator, and compressed air lake aeration system.

**Penasquitos Pump Station VFD Replacement, City of San Diego, San Diego, CA**
Senior Electrical Associate. Electrical lead for replacement of four VFDs feeding 500HP pumps at the existing major sewage pump station. Work included electrical plans, controls, and coordination San Diego Public Utilities Department.

**TITLE & EMAIL:**

Sr. Associate Electrical Engineer

breed@bseengineering.com

**EDUCATION:**

BSEE, San Diego State University Electrical Engineering, 1987

**REGISTRATIONS/ CERTIFICATIONS:**

Prof. Electrical Engineer, CA, E-21942



## JORDAN KATZ, PE

Jordan Katz, P.E., is a mechanical engineer with over 9 years of experience delivering energy-efficient and technically complex systems for public infrastructure and utility projects. His expertise includes HVAC system design, Instrumentation & Controls, and compliance with Title 24 Energy Code standards. Jordan's project portfolio features air handling unit replacements, design of new and retrofit HVAC systems, and chiller and boiler upgrades. He also has significant experience developing instrumentation and control drawings for water and wastewater pump stations, supporting operational reliability and automation goals.

### RELEVANT PROJECT EXPERIENCE:

**Carancho Pump Station Preliminary Design Report (PDR), Rancho California Water District, Temecula, CA |** Instrumentation and Controls Engineer. Provided I&C design for control of the pump station. Reviewed district standards and provided recommendations for control design strategies. Prepared Preliminary Design Report providing three proposed options for a new pump station at an existing site.

**Johnstown Pump Station Replacement, Helix Water District, El Cajon, CA**
Instrumentation and Controls Engineer. Supported the electrical design for the complete replacement of pump station equipment. Prepared P&IDs, control diagrams, and control panel layouts for the new water pump station. Work included coordination with electrical and mechanical teams to ensure system compatibility, improved operability, and integration with the District's SCADA system.7-10 and ACI 318-14, and summarized recommended retrofit improvements for all stations.

**TITLE & EMAIL:**

Lead Instrumentation & Controls Engineer

jkatz@bseengineering.com

**EDUCATION:**

BS, University of Texas, Austin, Mechanical Engineering

**REGISTRATIONS/ CERTIFICATIONS:**

Professional Mechanical Engineer, CA, M-39702

# 4 PROJECT APPROACH & SCOPE OF WORK

The District has identified three primary tasks centered around the feasibility of this project:

1. **Technical Feasibility**
2. **Economic Analysis, and**
3. **Environmental and Regulatory Considerations**

As noted in the Project Understanding, we will approach this study in a phased manner as outlined below. This phased approach will ensure that the analyses are conducted in a logical manner with information shared with the District at the correct intervals to allow the District to decide how best to proceed with the entire feasibility analysis, or if further analysis is not warranted based on various findings at the beginning of the study. For example, if the Technical Feasibility indicates that the project is not feasible, there may not be a need to continue the analysis of other factors such as the Economic Analysis and Environmental and Regulatory Considerations.

## PHASED APPROACH AND PROPOSED SCOPE OF WORK:

### TASK 1 - TECHNICAL FEASIBILITY

#### Task 1.1 – Data Collection, Site Visit & Project Workshop

We will commence the project with a review of available documentation provided by the District, which will be followed by a workshop and site visit with the District's Engineering and Operations staff to discuss the overall project and goals. We will also confirm existing conditions and operating requirements and will validate District preferences for equipment and general arrangement of the proposed pump and natural gas engine.

Data to be provided by the District includes; as-builts, pump curves, motor nameplate data, electrical and control drawings, control narratives, P&IDs.

During the site visit our team will document existing conditions including; the existing pump trains (pump, motor, coupling, baseplate, foundations), electrical distribution system, controls/SCADA, civil/structural constraints including equipment access, ventilation, potential exhaust routing, noise limits and safety constraints such as possible hazardous area classification, and gas detection.

**DELIVERABLE(S)**

- **Site Photos** (PDF and Native)
- **Meeting Agenda & Notes from Workshop** (PDF)

#### Task 1.2 – Evaluate Natural Gas Engine Technologies for Pumping Applications

Under this task, our team will perform a high level screening of natural gas engine technologies that meet performance, efficiency, emissions, reliability, and operability requirements for pumping applications.

Other items to be considered under this task include:

- Evaluation of rated power and applicable deratings due to elevation, temperature, etc.
- Expected maintenance intervals, overhaul schedule, spare parts availability, service network.
- Estimated annual fuel consumption.
- Compare engines to local permitting requirements and determine if any exhaust treatment is required.
- We will develop a technical memorandum summarizing this task and findings, with a recommended natural gas engine for further use in the feasibility analysis.

**DELIVERABLE(S)**

- **Technical Memorandum** (PDF)

### Task 1.3 – Mechanical/Electrical/Structural Integration Assessment

Under this task, we will evaluate the mechanical, electrical, and structural feasibility of integrating the natural gas engine identified in Task 1.2 and the horizontal split case pump identified in this task into the existing pump station.

**Piping and Pump Performance Assessment** | We will first evaluate the compatibility of the existing vertical turbine pumps to remain and their operation with the proposed horizontal split case pump to determine if the pumps can run in parallel. We will use the horizontal split case pump provided with the RFP for this analysis. We will also identify the proposed modifications to the suction and discharge piping to ensure Hydraulic Institute Standards are met, along with District standards.

**Engine & Mechanical System Assessment** | Our team will evaluate feasible drivetrain configurations consisting of direct drive engine-to-pump vs a gear box if the engine and pump speed differ. We will also evaluate the feasibility of the required auxiliary items for the natural gas engine including; cooling (radiator vs heat exchanger), jacket water routing, exhaust system routing and heat shielding, starting system (electric vs air), noise attenuation (muffler type, engine enclosures, building acoustic treatment).

**Structural Assessment Due to Proposed Mechanical Improvements** | We will perform a high level evaluation of the existing foundation and concrete slab on grade to determine possible impacts from the natural gas engine and horizontal split case pump. This assessment will be cursory in nature and will not involve any calculations. We will also identify any possible feasibility concerns with any required building modifications as a result of the mechanical improvements such as door enlargement, support of large exhaust pipes from the roof, or additional penetrations in the exterior walls to facilitate ventilation. We will review as builts, and geotechnical information if available.

**Electrical & Controls Integration Assessment | BSE**
BSE will coordinate with Rancho California Water District staff and comply with the District's design guidelines to evaluate the feasibility of replacing two (2) electrically driven pumps with a single (1) natural gas–driven engine. This evaluation will assess the electrical system's ability to accommodate the proposed load increase and startup requirements, as well as the compatibility of the new configuration with the existing on-site control system.

We will develop a technical memorandum summarizing this task and findings from the above assessments. We will develop a conceptual mechanical plan and section illustrating the proposed natural gas engine and horizontal split case pump to identify the overall equipment arrangement and possible space constraints. We will also identify the location of the auxiliary engine items on the conceptual plan as well as any other building modifications required such as door or louver penetrations.

#### *1.3.O – Optional Task: Hydraulic Analysis*

An optional task we have included within this proposal is using the District's calibrated hydraulic model to develop system curves to be used in pump selection. This task would validate the pump selected by the District, or select a new compatible pump and confirm pump station operations under various demand conditions with various combinations of pumps operating in parallel.

**DELIVERABLE(S)**

- **Technical Memorandum and Conceptual Plan & Section Drawings** (PDF)

### Task 1.4 – Natural Gas Supply Infrastructure Requirements

Under this task we will confirm the availability and adequacy of natural gas supply and define the infrastructure needed to deliver fuel safely and reliably to the new engine.

**SoCal Gas Coordination** | We will engage Southern California Gas Company (SoCal Gas) to confirm the nearest existing infrastructure available to serve the site, the available pressure at the point of connection, the maximum deliverable flow rate and costs for any infrastructure upgrades required along with price for gas based on the proposed usage at the site.

**District Infrastructure Needs** | We will use information provided by SoCal Gas to coordinate with the natural gas engine manufacturer to determine fuel pressure and flow requirements, determine if conditioning of the fuel supply is needed to remove moisture, etc., and also to identify the major components and routing of the fuel delivery system from the SoCal gas meter to the engine.

**Safety Systems & Hazard Analysis** | We will perform a cursory level preliminary hazard review to identify the need for items such as; gas detection, ventilation requirements, emergency shutdown requirements, gas shutoff valves, and alarms. We will perform a classification review to determine what fire protection measures may be necessary such as detectors and/or suppression equipment.

We will develop a technical memorandum summarizing this task and findings from the above assessments. We will develop a conceptual plan illustrating the proposed natural gas supply and routing within the site. If SoCal Gas indicates off-site improvements are needed to convey gas to the site, we will prepare an exhibit showing the approximate limits of those improvements.



**DELIVERABLE(S)**

- **Technical Memorandum and Conceptual Plans** (PDF)

### Task 1.5 – Detailed Engineering Assessment & Technical Feasibility Summary

Under this task, we will consolidate the information evaluated under the preceding tasks and will incorporate any comments or direction received from the District to provide a final technical memorandum and accompanying conceptual drawings that summarizes the technical feasibility of the project.



**DELIVERABLE(S)**

- **Technical Memorandum and Conceptual Plans** (PDF)

## TASK 2 – ECONOMIC ANALYSIS

Assuming that the project is technically feasible, and after confirmation from the District to proceed, we will commence the economic analysis.

### Task 2.1 – Economic Analysis

Under this task we will develop a Class 5 opinion of probable construction cost including all major components including; the natural gas engine, horizontal split case pumps, auxiliary support systems, modification of existing building infrastructure, and gas infrastructure including potential offsite costs.

An analysis of fuel/power costs (natural gas vs. electricity) and projected operational costs will be prepared over a 5-year and 10-year horizon.

An evaluation of potential incentives or funding opportunities for natural gas engine conversion will be explored and identified.

We will perform a break-even analysis and return on investment (ROI) calculation for the 5-year and 10-year horizon to compare the existing electrical driven pumps to the natural gas engine driven pump. We will also develop an approximate life cycle cost analysis that considers both capital and operation and maintenance costs for both options.



**DELIVERABLE(S)**

- **Technical Memorandum** (PDF)

## TASK 3 – ENVIRONMENTAL AND REGULATORY CONSIDERATIONS

Assuming that the project is found to be financially feasible, and after confirmation from the District to proceed, we will commence the environmental and regulatory analysis.

### Task 3.1 – Environmental and Regulatory Analysis

Under this task we will perform a conceptual assessment of potential greenhouse gas emissions air quality impacts from the natural gas engine as compared to the electrically driven pumps.

At a conceptual level we will identify potential noise, vibration, and heat impacts from the natural gas engine and potential mitigation strategies.

We will identify applicable environmental regulations and permitting requirements related to the natural gas engine.

Our team will identify the most likely environmental pathway to comply with CEQA.



**DELIVERABLE(S)**

- **Technical Memorandum** (PDF)

## TASK 4 – FEASIBILITY STUDY

As shown above, Technical Memorandums will be prepared and submitted for each major task.

### Task 4.1 – Feasibility Study

We will incorporate District comments received on each Technical Memorandum into the Draft Feasibility Study. Following a meeting with the District, we will incorporate any remaining comments and finalize the Feasibility Study.

**DELIVERABLE(S)**

- **Draft Feasibility Study** (PDF)
- **Final Feasibility Study** (PDF)

## TASK 5 – PROJECT MANAGEMENT

We have no proposed changes or modifications to the proposed scope of work as presented in the District's RFP, with the exception of the following clarifications.

### Task 5.1 – Project Management

For meetings, we propose the following meetings, some of which have been added to allow our Team to resolve comments with the District and allow for incorporation into the final deliverables.

**MEETINGS**

- **Project Kick Off Meeting** (In Person)
- **Task 1.1 Site Visit and Document Review** (In Person)
- **Task 1.2 Review of Technical Memorandum and Comment Resolution** (Virtual)
- **Task 1.3 Review of Technical Memorandum and Comment Resolution** (Virtual)
- **Task 1.4 Review of Draft Feasibility Report and Comment Resolution** (Virtual)
- **Tasks 2 & 3 Review of Technical Memorandums and Comment Resolution** (Virtual)
- **Draft Presentation of Feasibility Study to District Staff** (In Person)
- **Final Presentation of Feasibility Study to Board or Committee** (In Person)

**DELIVERABLE(S)**

- **Meeting Agendas & Minutes** (PDF)
- **PowerPoint for Presentations** (Native)
- **Inception Report** (PDF)

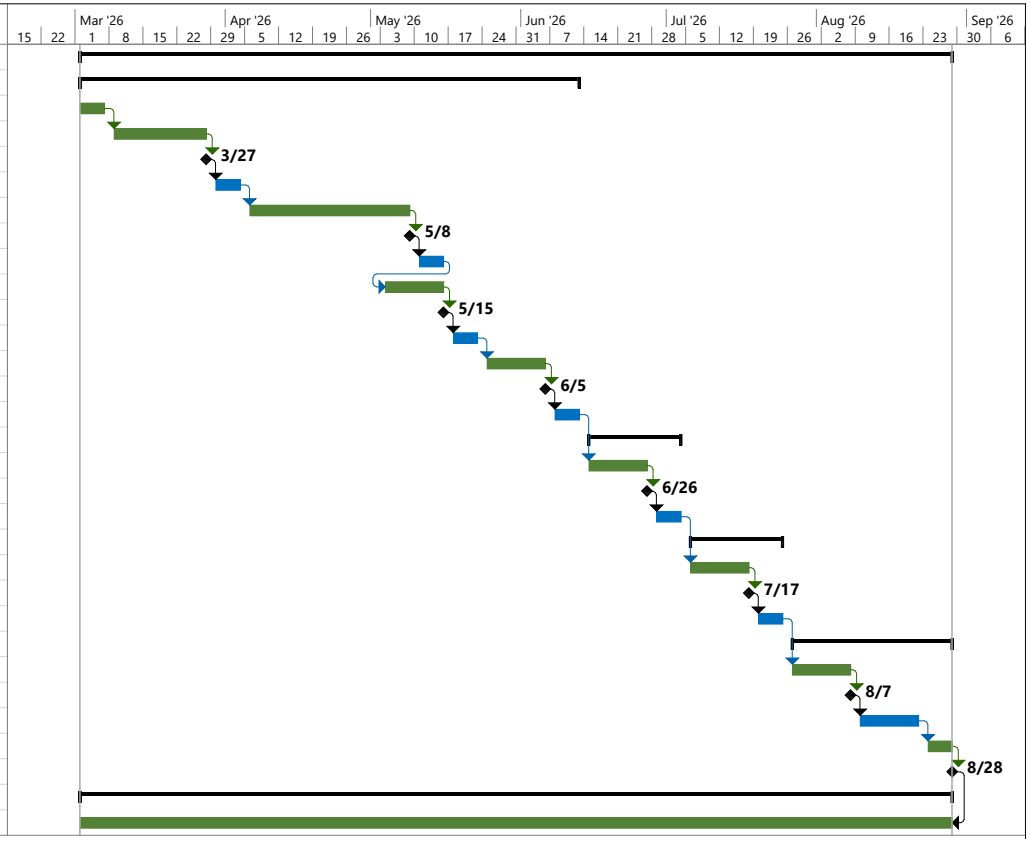


# 5 PROPOSED PROJECT SCHEDULE

Our proposed schedule adheres to the District's request to complete this project within 180 calendar days. To accommodate this, we have reduced District review times for the Technical Memorandums as this information will be vetted with the District through ongoing communication and review by the District is not expected to require the full 2-week duration. The Feasibility study will have a 2-week District review period.

**Rancho California Water District**
**Butterfield Stage Road Pump Station**
**Natural Gas Conversion Project**

| ID | Task Name | Duration | Start |
|---|---|---|---|
| 1 | **NOTICE TO PROCEED** | **130 days** | **Mon 3/2/26** |
| 2 | **TASK 1 - TECHNICAL FEASIBILITY** | **75 days** | **Mon 3/2/26** |
| 3 | Task 1.1 - Data Collection | 1 wk | Mon 3/2/26 |
| 4 | Task 1.2 - Evaluate Natural Gas Engine Technologies | 3 wks | Mon 3/9/26 |
| 5 | ***Submit Task 1.2 Technical Memorandum*** | ***0 days*** | ***Fri 3/27/26*** |
| 6 | **District Review** | **1 wk** | **Mon 3/30/26** |
| 7 | Task 1.3 - Mechanical / Electrical / Structural Integration Assessment | 5 wks | Mon 4/6/26 |
| 8 | ***Submit Task 1.3 Technical Memorandum*** | ***0 days*** | ***Fri 5/8/26*** |
| 9 | **District Review** | **1 wk** | **Mon 5/11/26** |
| 10 | Task 1.4 - Natural Gas Supply Infrastructure Reqmts | 2 wks | Mon 5/4/26 |
| 11 | ***Submit Task 1.4 Technical Memorandum*** | ***0 days*** | ***Fri 5/15/26*** |
| 12 | **District Review** | **1 wk** | **Mon 5/18/26** |
| 13 | Task 1.5 - Technical Feasibility Summary | 2 wks | Mon 5/25/26 |
| 14 | ***Submit Task 1.5 Technical Memorandum*** | ***0 days*** | ***Fri 6/5/26*** |
| 15 | **District Review** | **1 wk** | **Mon 6/8/26** |
| 16 | **TASK 2 - ECONOMIC ANALYSIS** | **15 days** | **Mon 6/15/26** |
| 17 | Task 2.1 - Economic Analysis | 2 wks | Mon 6/15/26 |
| 18 | ***Submit Task 2.1 Technical Memorandum*** | ***0 days*** | ***Fri 6/26/26*** |
| 19 | **District Review** | **1 wk** | **Mon 6/29/26** |
| 20 | **TASK 3 - ENVIRONMENTAL & REGULATORY** | **15 days** | **Mon 7/6/26** |
| 21 | Task 3.1 - Environmental & Regulatory Anlaysis | 2 wks | Mon 7/6/26 |
| 22 | ***Submit Task 3.1 Technical Memorandum*** | 0 days | Fri 7/17/26 |
| 23 | **District Review** | **1 wk** | **Mon 7/20/26** |
| 24 | **TASK 4 - FEASIBILITY STUDY** | **25 days** | **Mon 7/27/26** |
| 25 | Task 4.1 - Draft Feasibility Study | 2 wks | Mon 7/27/26 |
| 26 | ***Submit Task 4.1 Draft Report*** | 0 days | Fri 8/7/26 |
| 27 | **District Review** | **2 wks** | **Mon 8/10/26** |
| 28 | Task 4.1 - Final Feasibility Study | 1 wk | Mon 8/24/26 |
| 29 | ***Submit Task 4.1 Final Report*** | 0 days | Fri 8/28/26 |
| 30 | **TASK 5 - PROJECT MANAGEMENT** | **130 days** | **Mon 3/2/26** |
| 31 | Task 5.1 - Project Management | 130 days | Mon 3/2/26 |




Project: BSRPS Natural Gas Sch
Date: Tue 2/10/26

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress

# 6 REPRESENTATIVE PROJECTS

**The projects featured below reflect the full scope of Wood Rodgers' expertise as applicable based upon the scope of services requested. Each example showcases our capabilities in action, with client references provided.**

RANCHO CALIFORNIA WATER DISTRICT

## Carancho Pump Station Replacement | Temecula, CA

Wood Rodgers performed planning and preliminary design of the Carancho Pump Station. The existing pump station (1,450 gpm) requires up-sizing in a phased approach (4,200 gpm to 7,875 gpm) to provide reliability and redundancy and resolve a shortfall in capacity that prevents pump stations in higher pressure zones from providing multiple maximum day demand redundancy. We used the District's InfoWater hydraulic model to develop system curves for pump selection and to analyze a myriad of suction and discharge conditions, as the location of the new pump station could be sited at a higher elevation on the site than the current pump station, necessitating a detailed evaluation of the suction side hydraulic conditions. It should be noted that this pump station is also a high pressure pump station, with discharge pressures exceeding 350 psi.

### PROJECT RELEVANCIES:

- InfoWater Hydraulic Analysis
- Pump Station Analysis
- Hydraulic Institute Standards
- Feasibility Analysis
- Space Planning of Facilities

### LESSONS LEARNED:

*Throughout the project, Wood Rodgers solicited input from Rancho Water on various elements of the study as the project progressed to ensure the project goals were met and that conceptual ideas were vetted with staff at the appropriate time to avoid rework and schedule delay.*



### CLIENT REFERENCE:

Phillip Dauben – Principal Engineer,
Rancho California Water District

Telephone: (951) 296-6981
Email: daubenp@ranchowater.com

### RELEVANT PROJECT TEAM:

**Kevin Gustorf** (Principal-in-Charge)
**Karl Meier** (Project Manager)
**Alia Meier** (Project Engineer)
**Brandon Reed** (BSE)
**Bobby Rodriguez** (BSE)
**Alan Brown** (BSE)

RECLAMATION DISTRICT 1001

# Auxiliary Drainage Pump Station Design | Sutter County, CA

Wood Rodgers provided professional services for environmental studies, CEQA and NEPA documentation, environmental permits, and development of design plans, specifications, and construction cost estimates for an auxiliary drainage pump station to be located along Lateral No. 4 near the Natomas Cross Canal (NCC) North Levee, approximately 1.2 miles northeast of the RD 1001 Main Drainage Pump Station.

The new pump station will provide off-grid supplemental pumping capacity for the RD 1001 primary pumping plant to minimize flood risk in the event of an electrical outage. The project is currently in construction and consists of two propane-fueled, minimum 300-horsepower engines powering angle gear drives and 28,000 gpm, vertical line-shaft, mixed-flow pumps. The pumps and engine power units will be set on an elevated steel platform situated above the flood elevation in the RD 1001 basin. The new facility is scheduled to be operational before the start of the next winter season.

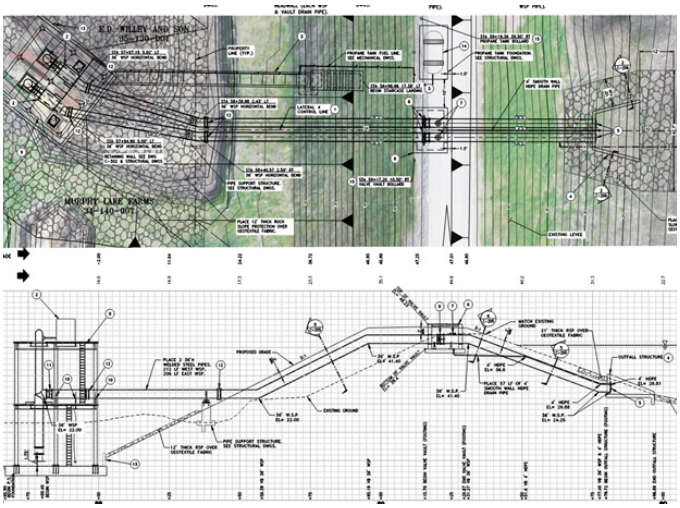
## PROJECT RELEVANCIES:

- Engine Driven Pumps
- Pumping Systems Hydraulic Analysis
- Alternatives Development
- Pumping Facility Design
- Agency Coordination

## LESSONS LEARNED:

*Due to the remoteness of the site and lack of available electrical utility power, Wood Rodgers discussed various aspects during design with RD 1001 unique to the secluded installation, including instrumentation and controls, access for propane delivery, remote communications of facility status, crane access for future pump and engine work, and several other various site-specific needs.*

*Wood Rodgers also investigated the potential for differential settlement between the pile supported pump station platform and the discharge pipelines, combined with thermal expansion/ contraction of the exposed piping for impacts to the long runs of exposed discharge piping and incorporated bellows joints to allow for settling and thermal movements.*



## CLIENT REFERENCE:

Kimberly Reece – General Manager,
Reclamation District 1001

Telephone: (530) 656-2318
Email: kreese@rd1001.org

## RELEVANT PROJECT TEAM:

**Eddie Gosse** (Lead Mechanical & Instrumentation Engineer)
**Anthony Johnson** (Structural Engineer)
**Adrian Gutierrez** (Project Engineer)

GOLDEN STATE WATER COMPANY / LENNAR CORPORATION

## Lakeside at Sutter Pointe Tank and Booster Pump Station | Sutter County, CA

Wood Rodgers provided design and is currently completing support for construction assistance for the new treated water storage and booster pump facility which will serve an 875-acre residential development in Sutter County. The facility includes one of two 1.4-million-gallon welded steel storage reservoirs filled by 18" altitude valves, and seven-pump booster pump station equipped with six pumps for the current phase. The pump station consists of three different sizes of variable and constant speed vertical turbine pumps, 25, 60, and 200 horsepower, in a concrete-encased suction barrel arrangement designed in accordance with Hydraulic Institute standards. Since the facility will serve as the sole source of water for the isolated development, emergency storage volume, backup power generation, and spare pumping capacity is included in the design. A bladder tank has also been included to handle flows below the minimum output of the smallest pump, all the way down to zero gallons per minute for overnight periods. Electrical power and control equipment is housed within a conditioned masonry block building for improved weather protection and operations. Maximum firm water delivery capacity for this facility has been designed for 7,170 gallons per minute for this initial phase (10,170 at buildout) to handle peak hours demands and a simultaneous fire event, with an additional emergency storage volume. Approval of the project was coordinated amongst Lennar Corp., Sutter County, the end owner/operator Golden State Water Company, and other required approval authorities. Construction is currently nearing completion pending final testing and implementation of the control program, and is anticipated to be ready for operation before summer of 2026.



### PROJECT RELEVANCIES:

- Potable Water Storage & Pumping Systems
- Pumping Systems Hydraulic Analysis
- Alternatives Development
- Engine Driven Emergency
- Building & Electrical Controls
- Pump Operational Sequencing Controls
- Pipelines and Interties
- Agency Coordination
- Generators
- SCADA

### CLIENT REFERENCE:

Ernie Gisler – Sr. Civil Engineer,
Golden State Water Company

Telephone: (916) 761-8373
Email: egisler@gswater.com

### RELEVANT PROJECT TEAM:

**Eddie Gosse** (Mechanical/Project Engineer)
**Anthony Johnson** (Structural)

### LESSONS LEARNED:

*Due to the remoteness of the community with no other alternate water source, the design of the pump station required the utmost flexibility to provide near zero flows up the to maximum 10,170 gpm to satisfy peak hour plus fire demand, and remain within desired pressure operating limits for all flows. This required a very focused look at pump sizing to minimize the number of different types of pumps required, yet still allow running pumps to operate at efficient ranges to minimize energy costs, and also allow for smooth coverage of varying demands in the event a pump of any size were to fail.*

*Due to the in-depth hydraulic modeling of pump performance developed during design, Wood Rodgers was able to provide numerous parameters for controls in advance of programming efforts, including VFD ramp rates, start/stop delays, minimum speed setpoints, and pump start/stop sequencing. These parameters are anticipated to ease startup and commissioning efforts as construction reaches completion.*

SACRAMENTO SUBURBAN WATER DISTRICT

# Butano Production Well & Pumping Plant | Sacramento, CA

The Butano Production Well & Pumping Plant project began with a hydrogeologic exploratory drilling program and construction of a nested monitoring well to characterize groundwater quality and groundwater levels to support the final well design. Wood Rodgers also performed preliminary and final design of the topside equipping.

Design features included a 1,500 GPM well pump with a 200 HP submersible motor, piping provisions for well pump-to-waste and distribution system flush-to-waste, hydrofluosilicic acid and sodium hypochlorite chemical storage and feed systems, residual analyzers, electrical and controls equipment, and a 300 kW emergency generator. A multi-room masonry building with architectural trim was designed to house all equipment indoors, with the exception of the outdoor well and generator. Piping and site design included provisions for future treatment via piping stub-outs, and space for a future pressure filtration + backwash tank. Design of the wellhead also included provisions to allow for future well injection for aquifer storage and recovery (ASR).

Our hydrogeologists provided construction oversight of the well's construction and final pumping development, and our engineering team and inspection staff assisted the District during construction of topside improvements providing additional inspections supplemental to the District's. Our team also provided review and responses to submittals and RFIs, coordinated with the District and contractor for integration of newer desired elements, and assisted with change order development and review of the contractor's final change orders and invoices.

## PROJECT RELEVANCIES:

- Potable Water Pumping Systems
- Natural Gas Engines and Supply
- Building and Electrical Controls
- Pipelines and Interties
- Agency Coordination
- SCADA

## LESSONS LEARNED:

*Coordination efforts with PG&E for natural gas supply for the engine generator system revealed that the cost of the gas service line and meter costs, excluding the cost of the natural gas generator itself, amounted to nearly the same cost of a complete diesel generator including the diesel tank sub-base. Based on the high service supply installation cost, the District ultimately changed to a diesel-fueled generator which not only allowed for a smaller engine due to diesel fuel having a higher energy value vs. natural gas, all risks for delays for gas service installation due to PG&E were eliminated.*





## CLIENT REFERENCE:

James Arenz – Engineering Manager,
Sacramento Suburban Water District

Telephone: (916) 679-3991
Email: ddean@sswd.org

## RELEVANT PROJECT TEAM:

**Eddie Gosse** (Project / Mechanical Engineer)
**Karl Meier** (Pumping System Design)
**Anthony Johnson** (Structural Engineer)

SACRAMENTO COUNTY WATER AGENCY

## Hood Franklin Well | Sacramento, CA



Wood Rodgers has provided the Sacramento County Water Agency (SCWA) with on-call hydrogeologic consulting services since 2005. In 2017, Wood Rodgers was retained to assist with the design and construction management of the new well and water treatment facility to serve a small rural community of Hood, California. This project began with an evaluation of the potential well site for compliance with CDDW regulatory set back requirements for a municipal well. Based on our assessment, it was determined that a well could be constructed at the site while maintaining the required offsets; however, challenging due to the location within a FEMA-designated flood zone and known poor water quality of local aquifers with regard to elevated arsenic, manganese, and total dissolved solids. Wood Rodgers' investigation included reviewing existing geologic and hydrogeologic data, overseeing exploratory test hole drilling, construction and testing of an onsite monitoring well, and conducting a water quality investigation of the targeted aquifer. The Hood Onsite Well (W25) meets all of SCWA's project objectives for yield, capacity, and water quality, with the exception of manganese, which was anticipated and unavoidable. The project consisted of a potable water well and pressure filtration treatment facility to remove manganese from the groundwater, disinfect the water and to add fluoride to the water prior to distribution. Ancillary components included a well pump, chemical feed pumps, chemical storage, water storage tank, booster pump station, surge tank and operations building.

Wood Rodgers provided structural design for the operations building, which required a second floor to keep critical equipment above the 100-year flood elevation. Wood Rodgers also evaluated the treated water booster pump station for surge with a fluid dynamic modeling and sizing of the surge tank, and provided the final criteria for the booster pumps. Wood Rodgers met with the County on specific occasions throughout the project for overall project coordination and direction.

### PROJECT RELEVANCIES:

- Potable Water Pumping Systems
- Pumping Systems Hydraulic Analysis
- Alternatives Development
- Agency Coordination

### CLIENT REFERENCE:

David Bolen – Sr. Civil Engineer,
Sacramento County Water Agency

Telephone: (916) 874-8645
Email: bolend@saccounty.net

### RELEVANT PROJECT TEAM:

**Eddie Gosse** (Mechanical Engineer)
**Anthony Johnson** (Structural Engineer)

### LESSONS LEARNED:

*The booster pump station was designed by SCWA, but during Wood Rodgers' own internal coordination efforts for the transient analysis for surge tank sizing, Wood Rodgers recognized unusual aspects with designed pumps and provided SCWA with some suggested recommendations for the pump station design. This ultimately led to Wood Rodgers performing an independent analysis of the pump hydraulics and development of the final specification parameters for the pumps to ensure intended design flows were achieved at the most efficient operating range of each pump's performance curve.*

# 7 FEE PROPOSAL

*Fee*

**COMPANY: Wood Rodgers, Inc.** **2/13/2026**

**CLIENT: Rancho California Water District**

**PROJECT: BSRPS Natural Gas Engine Conversion**

| DESCRIPTION | Project Role | WOOD RODGERS, INC. | | | | | | | | SUBCONSULTANTS | | ODC's | TOTAL FEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Principal In Charge / Project Manager | Lead Mechanical Engineer | Lead Civil Engineer | Structural Engineer | Assistant Engineer | QA/QC | Subtotal Hours | Subtotal Cost | BSE | Subconsultant Total | | |
| | Billing Classification | Principal Engineer I | Principal Engineer I | Engineer II | Sr. Engineer II | Engineer II | Principal Engineer II | | | | | | |
| | Billing Rate: | $ 290.00 | $ 290.00 | $ 230.00 | $ 270.00 | $ 230.00 | $ 330.00 | | | | | | |
| **TASK 1 - TECHNICAL FEASIBILITY** | | **40** | **84** | **56** | **56** | **146** | **10** | **392** | **$ 100,840.00** | **$ 11,801.00** | **$ 11,801.00** | **$ -** | **$ 112,641.00** |
| Task 1.1 - Data Collection | | 8 | 12 | 12 | 8 | 4 | 2 | 46 | $ 12,300.00 | $ 4,644.00 | $ 4,644.00 | $ - | $ 16,944.00 |
| Task 1.2 - Evaluate Natural Gas Engine Technologies | | 8 | 32 | 8 | | 40 | 2 | 90 | $ 23,300.00 | $ - | $ - | $ - | $ 23,300.00 |
| Task 1.3 - Mech / Elect / Struct Integration Assessment | | 12 | 16 | 24 | 48 | 30 | 2 | 132 | $ 34,160.00 | $ 4,169.00 | $ 4,169.00 | $ - | $ 38,329.00 |
| Task 1.4 - Natural Gas Supply Infrastructure Reqmts | | 4 | 12 | | | 52 | 2 | 70 | $ 17,260.00 | $ - | $ - | $ - | $ 17,260.00 |
| Task 1.5 - Technical Feasibility Summary | | 8 | 12 | 12 | | 20 | 2 | 54 | $ 13,820.00 | $ 2,988.00 | $ 2,988.00 | $ - | $ 16,808.00 |
| **TASK 2 - ECONOMIC ANALYSIS** | | **8** | **8** | **24** | **0** | **20** | **2** | **62** | **$ 15,420.00** | **$ 2,810.00** | **$ 2,810.00** | **$ -** | **$ 18,230.00** |
| Task 2.1 - Economic Analysis | | 8 | 8 | 24 | | 20 | 2 | 62 | $ 15,420.00 | $ 2,810.00 | $ 2,810.00 | $ - | $ 18,230.00 |
| **TASK 3 - ENVIRONMENTAL & REGULATORY** | | **4** | **4** | **24** | **0** | **16** | **2** | **50** | **$ 12,180.00** | **$ -** | **$ -** | **$ -** | **$ 12,180.00** |
| Task 3.1 - Environmental & Regulatory Analysis | | 4 | 4 | 24 | | 16 | 2 | 50 | $ 12,180.00 | $ - | $ - | $ - | $ 12,180.00 |
| **TASK 4 - FEASIBILITY STUDY** | | **8** | **8** | **32** | **8** | **12** | **8** | **76** | **$ 19,560.00** | **$ 3,582.00** | **$ 3,582.00** | **$ -** | **$ 23,142.00** |
| Task 4.1 - Feasibility Study | | 8 | 8 | 32 | 8 | 12 | 8 | 76 | $ 19,560.00 | $ 3,582.00 | $ 3,582.00 | $ - | $ 23,142.00 |
| **TASK 5 - PROJECT MANAGEMENT** | | **24** | **8** | **24** | **4** | **8** | **0** | **68** | **$ 17,720.00** | **$ 2,566.00** | **$ 2,566.00** | **$ -** | **$ 20,286.00** |
| Task 5.1 - Project Management | | 24 | 8 | 24 | 4 | 8 | | 68 | $ 17,720.00 | $ 2,566.00 | $ 2,566.00 | $ - | $ 20,286.00 |
| **TOTAL HOURS** | | **84** | **112** | **160** | **68** | **202** | **22** | **648** | **$ 165,720.00** | | | | |
| **TOTAL FEE** | | **$ 24,360.00** | **$ 32,480.00** | **$ 36,800.00** | **$ 18,360.00** | **$ 46,460.00** | **$ 7,260.00** | | | **$ 20,759.00** | **$ 20,759.00** | **$ -** | **$ 186,479.00** |

**Sub Mark-Up** **0%**

**FEE TOTAL** **$ 186,479.00**

| OPTIONAL TASKS | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Optional or Add Alternate Task | Principal In Charge / Project Manager | Lead Mechanical Engineer | Lead Civil Engineer | Structural Engineer | Assistant Engineer | QA/QC | Subtotal Hours | Subtotal Cost | BSE | Subconsultant Total | ODC's | TOTAL FEE |
| | Principal Engineer I | Principal Engineer I | Engineer II | Sr. Engineer II | Engineer II | Principal Engineer II | | | | | | |
| Task 1.3.O - Hydraulic Analysis - **OPTIONAL** | 8 | 4 | 32 | | | 4 | 48 | $ 12,160.00 | $ - | $ - | $ - | $ 12,160.00 |

Rancho Water

**BOARD ACTION**

# ENGINEERING AND OPERATION COMMITTEE

March 26, 2026

**ITEM 1.D:** **Review and Consider Approval of Additional Funding in the Amount of $800,000, increasing the Overall Project Budget of $14,875,025 to $15,675,025, for the Drilling and Equipping of Well Nos. 173, 174, and 175 [Project Nos. D2009, D2058, and D2121]**

**RESPONSIBLE/LEAD STAFF MEMBER(S):**

Nik Lyuber, Director of Engineering

**RECOMMENDATIONS:**

Staff requests that the Engineering and Operations Committee recommend the Board of Directors (Board) take the following actions related to the Drilling and Equipping of Well Nos. 173, 174, and 175 [Project Nos. D2009, D2058, and D2121]:

- Approval of additional funding needed for project completion in the amount of $800,000 to increase the previously authorized budgets from $14,875,025 to $15,675,025 for Project Nos. D2009, D2058, and D2121, with the following allocations:
    - D2009 – $270,000, increasing from $4,868,301 to $5,138,301
    - D2058 – $180,000, increasing from $4,603,362 to $4,783,362
    - D2121 – $350,000, increasing from $5,403,362 to $5,753,362

**DISCUSSION:**

Rancho California Water District (Rancho Water/District) is currently constructing three (3) new groundwater wells (Well Nos. 173, 174, and 175) on District-owned property adjacent to and within the Upper Valle de Los Caballos (UVDC) Recharge and Recovery Facility. These wells are part of a four-well program intended to increase UVDC recovery capacity by a minimum of 5,000 acre-feet per year (AFY) under Rancho Water's UVDC Conjunctive Use Optimization Program.

Expanding recovery capacity will allow the District to maximize the use of untreated imported water, reducing reliance on more costly treated imported supplies.
The well sites were designed and constructed in three phases:

- Phase 1 – Well Pad Construction (Completed)
- Phase 2 – Well Drilling (Completed)
- Phase 3 – Well Equipping (In Progress)

Additional budget is requested to cover the drilling contractor's Closeout Change Order, approved

at the March 12, 2026, Board of Directors Meeting, in the amount of $200,000, as well as projected staff labor costs in the amount of $600,000 that exceed the original project estimate. The requested additional budget of $800,000, representing 5.4 percent of the current project budget, is within industry standards given the complexity of drilling and equipping three new wells.

At the time of the first budget amendment in December 2024, staff estimated approximately $1,000,000 in total District support costs for all wells. Because the program included multiple construction phases and there were limited comparable historical projects, the estimate was developed based on a percentage of the overall construction value of approximately $12,000,000. The $1,000,000 estimate accounted for about 8 percent of construction costs, consistent with ratios observed on other recent District capital projects.

Based on current expenditures, total staffing and direct expenses are now projected to reach approximately $1,600,000 by project completion. With the project approximately 90 percent complete, the majority of these costs have already been incurred. Staff expended additional time reviewing various submittals, addressing field issues, and inspecting the projects beyond what was originally anticipated. The requested $800,000 budget amendment will ensure sufficient budget is in place to complete the project. The attached Exhibit summarizes the Direct Expenses.

**ALTERNATIVES:**

None available

**FISCAL ANALYSIS:**

The current total authorized budget for Well Nos. 173, 174, and 175 is $14,875,025. Based on expenditures to date and the projected costs necessary to complete the work, the total program cost is now estimated at $15,675,025.

Therefore, a total budget amendment of $800,000 is requested. This amount includes $200,000 previously authorized by the Board and $600,000 requested through this action. The amendment requested reflects both actual and remaining project costs anticipated through completion of construction. The requested additional budget represents 5.4 percent of the original project estimate. The amendment is allocated among the three wells as shown in the attached Project Cost Summary.

It is important to note that the District has secured $11 million in grant funding for this program. As a result, the District's net funding responsibility for the three wells is approximately $4.675 million.

**ENVIRONMENTAL REQUIREMENTS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

1. Project Cost Summary
2. Direct Expense Summary

| Project Cost Summary | | | | | | |
|---|---|---|---|---|---|---|
| | **Original** | **Amendment 1 (12/2024)** | **Current Budget** | **Amendment 2 (03/2026)** | **Proposed Budget** | **To Date Spent** |
| Well 173 (D2009) | $3,200,000 | $1,668,301 | $4,868,301 | $270,000 | **$5,138,301** | $3,635,613 |
| Well 174 (D2058) | $3,000,000 | $1,603,362 | $4,603,362 | $180,000 | **$4,783,362** | $2,021,770 |
| Well 175 (D2121) | $3,800,000 | $1,603,362 | $5,403,362 | $350,000 | **$5,753,362** | $4,953,835 |
| | | | | | | |
| **Total** | **$10,000,000** | **$4,875,025** | **$14,875,025** | **$800,000** | **$15,675,025** | **$10,611,218** |

| Direct Expense Summary | Budget Dec 2024 | Budget Mar 2026 | Ratio |
|---|---|---|---|
| | **$1,000,000** | **$1,593,287** | |
| **Well 173 (D2009)** | **$333,333** | **$578,657** | **36%** |
| Engineering | | $380,246 | 66% |
| Inspection | | $137,754 | 24% |
| Field | | $17,657 | 3% |
| Miscellaneous | | $43,000 | 7% |
| **Well 174 (D2058)** | **$333,333** | **$386,075** | **24%** |
| Engineering | | $250,183 | 65% |
| Inspection | | $83,614 | 22% |
| Field | | $7,278 | 2% |
| Miscellaneous | | $45,000 | 12% |
| **Well 175 (D2121)** | **$333,333** | **$628,555** | **39%** |
| Engineering | | $371,491 | 59% |
| Inspection | | $205,858 | 33% |
| Field | | $9,206 | 1% |
| Miscellaneous | | $42,000 | 7% |

Rancho Water

COMMITTEE INFORMATION

# ENGINEERING AND OPERATIONS COMMITTEE

March 26, 2026

**ITEM 2.A: Update on the Rancho Water Mid-Pauba Water Groundwater Banking and Water Resources Program (RaMP)**

**RESPONSIBLE/LEAD STAFF MEMBER(S):**

Dan Ruiz, Assistant General Manager-Engineering & Operations

**RECOMMENDATIONS:**

This item is for the Engineering and Operations Committee's (Committee) information.

**DISCUSSION:**

Rancho California Water District's (Rancho Water/District) long-term vision and strategic goals are contained in the District's 2023 Strategic Plan (Plan). The Plan vision statement represents the aspiration of the District as follows:

"Rancho California Water District is an innovative, responsive, and prudent steward of the water and water recycling service responsibility entrusted to it."

Six goals were identified in the Plan, including Resources Management, which seeks to "Provide a safe, resilient, and sustainable water supply portfolio that achieves an optimum balance of water resources." In December 2024, the Board authorized Program Management Services with Jacobs Project Management Co. (Jacobs) to holistically analyze and strategically implement the appropriate phases of the following six critical water resources program projects:

- Mid-Pauba Groundwater Banking Project - Procure and manage the Progressive Design Build effort.

- Upper Valle De Los Caballos (UVDC) Recharge and Recovery Facilities - Ensure grant milestones are met and seek additional opportunities to maximize conjunctive use at this facility.

- Per- and Polyfluoroalkyl (PFAS) Substances and Water Quality Treatment (includes arsenic treatment) - Investigate treatment options and procure and manage the design effort.

- Vail Dam Water Resource Plan - Review and develop opportunities for lake storage and groundwater recharge in conjunction with the Upper Valle De Los Caballos Recharge and Recovery Facilities and Mid-Pauba Groundwater Banking Project.

- Upper Mesa Groundwater Banking Project - Staff previously reviewed this project with the Committee and determined the project was not feasible due to hydrogeology and lack of vacant suitable parcels.

- Recycled Water and Brine Line Project - Review existing recycled water infrastructure supply, demand, and agency agreements (with EMWD and EVMWD) and make recommendations to enhance the use of this resource. Alternate alignments and estimated costs for a brine line were previously reviewed with the Committee. Construction of a brine line was put on hold for now due to costs, etc.

The last update to the Committee was in April 2025. This presentation will provide an overview of the current status of the Mid-Pauba, UVDC, PFAS, arsenic, and the Vail Dam Water Resource projects.

**ALTERNATIVES:**

Not applicable

**FISCAL ANALYSIS:**

Not applicable

**ENVIRONMENTAL REQUIREMENTS:**

None

2.B

Rancho Water

COMMITTEE INFORMATION

# ENGINEERING AND OPERATIONS COMMITTEE

March 26, 2026

**ITEM 2.B:** **Update on Vail Dam Seismic and Hydrologic Remediation [Project No. D1911]**

**RESPONSIBLE/LEAD STAFF MEMBER(S):**

Dan Ruiz, Assistant General Manager - Engineering & Operations

**RECOMMENDATIONS:**

This item is for the Engineering and Operations Committee's (Committee) information.

**DISCUSSION:**

Rancho California Water District staff will provide the Committee with a presentation update of the Vail Dam project.

**ALTERNATIVES:**

Not applicable

**FISCAL ANALYSIS:**

Not applicable

**ENVIRONMENTAL REQUIREMENTS:**

None

2.C

Rancho Water

COMMITTEE INFORMATION

# ENGINEERING AND OPERATIONS COMMITTEE

March 26, 2026

**ITEM 2.C:** **Project Status Report - February/March 2026**

**RESPONSIBLE/LEAD STAFF MEMBER(S):**

Nik Lyuber, Director of Engineering

**RECOMMENDATIONS:**

These reports are for the Engineering and Operations Committee's review and information.

**DISCUSSION:**

The project status reports for February/March 2026 are enclosed herewith for your review.

**ALTERNATIVES:**

Not applicable

**FISCAL ANALYSIS:**

Not applicable

**ENVIRONMENTAL REQUIREMENTS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

1. Project Status Report
2. Capital Projects Report

# CONSTRUCTION PROJECT STATUS REPORT
# March 2026

**New Pad for Future Well No. 173 and UVDC Well No. 175 Graded Pad and Discharge Piping[D2009 and D2121]**

*Construction of two (2) raised earthen pads, including over-excavation of existing soils; construction of 950± linear feet (LF) of 20-inch diameter cement mortar lined and coated (CML&C) piping, 265± LF of 36-inch diameter CML&C piping, 210± LF of 8-inch diameter CML&C piping, 700± LF of 12-inch diameter CML&C piping, including all appurtenances and connections to existing system piping; construction of electrical improvements at an existing chemical facility.*

Contract was awarded to CCL Contracting, Inc. All contract work is complete. The contractor has demobilized, and the NOC has been filed. One-year warranty will expire in March 2026.

| | Budget Cost | Cost to Date |
|---|---|---|
| Contract Amount | $3,398,057.00 | $3,398,057.00 |
| Change Orders | $301,280.00 | $301,280.00 |
| Total | $3,699,337.00 | $3,699,337.00 |

Percent Change Order Costs = 8.87%

Construction is 100% complete.

| | | |
|---|---|---|
| Change Order No. 1 | | |
| Item 1 | $209,719.00 | sound blankets |
| Change Order No. 2 | | |
| Item 2 | $25,327.00 | relocate sound blankets |
| Change Order No. 3 | | |
| Item 1 | $62,531.00 | electrical revisions |
| Item 2 | $2,385.00 | additional 36" Butterfly Valve |
| Item 3 | $1,318.00 | 2 additional 4'x 8' signs |
| Item 4 | $0.00 | 90 day time extension |

**Equipping New Well No. 172 [D2008]**

*Construction of Well No. 172 improvements, including installation of one (1) 100 HP vertical turbine pumping unit (pump intake set at a depth of 160 feet below ground surface) with electric motor; installation of approximately 960 linear feet (LF) of well pump discharge piping, valves, and appurtenances; installation of and connection to existing below-grade well discharge piping at existing Well No. 153.*

The contract was awarded to R.E. Chaffee Construction, Inc., with a current revised completion date of March 2026. The well was started up in early March, operating as intended, final punchlist and closeout items are being completed.

| | Budget Cost | Cost to Date |
|---|---|---|
| Contract Amount | $2,145,900.00 | $1,717,332.00 |
| Change Orders | $100,747.29 | $89,994.93 |
| Total | $2,246,647.29 | $1,807,326.93 |

Percent Change Order Costs = 4.69%

Construction is 80% complete.

| | | |
|---|---|---|
| Change Order No. 1 | | |
| Item 1 | $10,752.36 | Eyewash and shower station |
| Item 2 | $89,994.93 | Hollow Shaft Vertical Turbine Pumps |
| Change Order No. 2 | | |
| Item 1 | $0.00 | 137 day time extension |

**Upper Valle De Los Caballos Regional Pump Station and Chlorine Contact Tank[D1903]**

*Project will construct the Upper Valle De Los Caballos Regional Pump Station. New facilities will augment capacity in the 1305 and 1380 Pressure Zones and will include the following: imported fill material to raise the site above the existing ground elevation, chlorine contact tank for groundwater disinfection, on-site sodium hypochlorite generation and feed system, forebay and transition pipelines to divert flow from wells to the contact tank and the new pump station, discharge piping, extension of the existing ammonia feed facility, and vertical turbine pumps enclosed within a concrete masonry unit building.*

Building footings are complete. Sodium hypochlorite generation room and remaining electrical room slab on grade are complete. 20-inch chlorine contact tank influent piping has passed bacteriological testing. 20-inch tie in at Pauba Road and tie in at Well 175 are complete. Site duct bank excavation is in progress.

| | Budget Cost | Cost to Date |
|---|---|---|
| Contract Amount | $30,761,600.00 | $18,687,490.00 |
| Change Orders | $188,986.58 | -$107,801.58 |
| Total | $30,950,586.58 | $18,579,688.42 |

Percent Change Order Costs = 0.61%

Construction is 60% complete.

| | | |
|---|---|---|
| Change Order No. 1 | | |
| Item 1 | $72,902.80 | Early Entrance Work |
| Item 2 | ($39,033.15) | Hollow Shaft Vertical Turbine Pumps |
| Item 3 | $2,010.88 | Motor Actuated Valve Voltage |
| Item 4 | ($284,262.30) | Sound Wall Design Change |
| Item 5 | $55,643.23 | Epoxy Lining in Lieu of CML on Above Grade Piping |
| Item 6 | $7,884.48 | CCT Deck Penetration Detail |
| Item 7 | $2,524.58 | Access Hatch Curbs on CCT-Rebar Modification |
| Item 8 | $3,868.68 | Bulk Storage and Electrical Room SOG Reinforcement |
| Item 9 | ($3,101.31) | Credit for Hatches on CCT |
| Item 10 | $10,606.77 | Concrete Curbs for Hatches CCT |
| Item 11 | $11,893.86 | Overflow Structure Modifications |
| Item 12 | $0.00 | Four Weather Delay Days Through 06/30/2025 |
| Change Order No. 2 | | |
| Item 1 | $28,602.86 | Medium voltage switchgear pads |
| Item 2 | $14,237.63 | SCE vault at service entrance |
| Change Order No. 3 | | |
| Item 1 | $320,601.93 | CMU Architectural Changes |
| Item 2 | ($195,520.00) | 30-36 Connection Scope De Portola Road |
| Item 3 | $8,895.73 | Clean up on Conquistador Place |
| Item 4 | $4,482.72 | Survey for Property Line |
| Item 5 | $6,196.09 | Removal of Unidentified Septic Tank |
| Item 6 | $6,090.37 | Removal of Underground Irrigation Lines |
| Item 7 | $4,776.32 | Larger Drain Basins |
| Item 8 | $40,283.19 | Roof Access Ships Ladder |
| Item 9 | $4,015.40 | Chlorine Analyzer AE_AIT 1-01 Cabinet AC |
| Item 10 | $14,126.10 | Well 175 Conduit and Pull Boxes |
| Item 11 | $36,602.20 | Elevation Change to 30" Pipeline |
| Item 12 | $17,186.28 | Medium voltage switchgear pads |
| Item 13 | $12,384.40 | Electrical Building Pull Box |
| Item 14 | $7,309.20 | Thickened Footing in Electrical Building |
| Item 15 | $17,777.64 | Additional Fill for SCE Pole |
| Item 16 | $0.00 | Three Weather Days Through 02/01/2026 |

**Carancho Pump Station Expansion and Improvement [D2048]**

*Increasing the capacity and reliability of the existing Carancho Pump Station facility, which includes, but not limited to, replacing one (1) existing pump with a new 300 HP vertical turbine pump, installing two (2) new 300 HP vertical turbine pumps in the spare pump cans, and reusing one (1) existing 350 HP pump to provide a firm pumping capacity of 4,200 gpm [firm capacity is defined as capacity with three (3) pumps running and one (1) on standby]; constructing a new suction pipeline header, isolation valve, individual pump suction lines and isolation valves, and discharge lines and check and isolation valves and all appurtenances; constructing approximately 500 linear feet of a new 24-inch diameter cement mortar lined and coated steel pipeline in the concrete driveway, a temporary bypass pipeline, and removal of the existing 12-inch discharge pipeline; installing two (2) new surge tanks, air compressor, and associated piping and equipment including demolition of the existing surge tank; electrical improvements including a new 1,250 kW generator, discharge side flow meter, controls, conduits, wires, antenna, and transformer pad; demolition of the two (2) existing steel tanks; and miscellaneous site improvements.*

Contract awarded to Myers & Sons Construction LLC. Contractor has delivered generator and enclosure to site. Contractor is continuing to work on electrical for the generator and securing onto new pad. Pumps have arrived and contractor is working on installation.

| | Budget Cost | Cost to Date |
|---|---|---|
| Contract Amount | $6,711,861.00 | $2,532,956.97 |
| Change Orders | -$54,638.57 | $170,101.58 |
| Total | $6,657,222.43 | $2,703,058.55 |

Percent Change Order Costs = -0.81%

Construction is 41% complete.

| | | |
|---|---|---|
| Change Order No. 1 | | |
| Item 1 | $2,388.75 | Flow meter changes |
| Item 2 | $18,594.69 | Isolate pump station during shutdown |
| Item 3 | $24,120.05 | Additional reducers and piping |
| Item 4 | ($234,643.45) | Change Diesel Engine Generator from Tier 4 to Tier 2 |
| Change Order No. 2 | | |
| Item 1 | $18,700.25 | Air vacuum |
| Item 2 | $3,565.53 | VHS motors |
| Item 3 | $100,637.61 | Electrical reroute |
| Item 4 | $11,998.00 | ATS pad |

**UVDC In-Line Turbine Generator Hydroelectric [D2181] and Washington Avenue In-Line Turbine Generator Hydroelectric [D2217]**

*New hydroelectric generation facility including building, HVAC, lighting, site civil improvements District-furnished Francis in-line turbine generator package and all associated piping, bypass valve, turbine outlet valve, all electrical equipment, instrumentation, and all related work.*

Contract awarded to Pacific Hydrotech Corporation. At the Washington site, EMWD piping has been installed and coated. Southern Electric is currently installing conduits and cables to pelton wheel. Contractor to begin installing hydraulic lines to hydraulic power unit at pelton wheel. At the UVDC site, contractor is working on installation of the colored course block on the building.

Construction Project Status Report
March 2026

| | Budget Cost | Cost to Date |
|---|---|---|
| Contract Amount | $5,177,900.00 | $3,141,084.00 |
| Change Orders | $209,655.87 | $29,596.94 |
| Total | $5,387,555.87 | $3,170,680.94 |

Percent Change Order Costs = 4.05%

Construction is 59% complete.

| | | |
|---|---|---|
| Change Order No. 1 | | |
| Item 1 | $4,166.60 | Modifications to location of 36" bypass piping at UVDC |
| Item 1 | $16,973.95 | Additional thrust restraint at intake piping at Washington |
| Change Order No. 2 | | |
| Item 1 | $1,386.73 | Upgrade to 2-inch Combo Air Vac at Washington |
| Item 2 | ($8,023.00) | Deduct Cooling Water Supply Panel at Washington |
| Item 3 | $7,738.63 | Added Underground Conduits from MCC to Control Panel at Washington |
| Change Order No. 3 | | |
| Item 1 | $2,538.05 | Magnetic Flowmeter Changes at UVDC |
| Item 2 | $10,091.49 | Install Motorized Harch at UVDC Roof |
| Item 3 | $90,268.73 | CMU Architectural Changes at UVDC |
| Item 4 | $10,743.03 | Ventilation Changes at UVDC |
| Item 5 | $7,537.76 | Reinforcement Changes at UVDC |
| Change Order No. 4 | | |
| Item 1 | $2,050.81 | Landing pad detail at Washington |
| Item 2 | $9,564.48 | Electrical equipment pad at turbine MCC at Washington |
| Item 3 | $2,347.31 | Hydraulic carrier piping at UVDC |
| Change Order No. 5 | | |
| Item 1 | ($531.60) | Credit for Energy Dissipator at Washington |
| Item 2 | ($10,682.00) | Removal of Ladder and Platform Framing at UVDC |
| Item 3 | ($3,464.00) | Removal of Access Hatch and Railing at UVDC |
| Item 4 | $4,910.00 | Acrylic Stucco at UVDC |
| Change Order No. 6 | | |
| Item 1 | $35,937.02 | Additional CMU Architectural Changes at UVDC |
| Change Order No. 7 | | |
| Item 1 | $26,101.88 | Washington Canyon HPU Interconnect |

**Drilling New Well Nos. 173, 174, and 175 [D2009, D2058, and D2121]**

*The Work includes the installation of a temporary 4-inch diameter highline and appurtenances for construction water; highline and settling tanks for discharge of well development water; construction survey staking; drilling, construction, development, testing, and disinfection of the proposed Production Well Nos. 173, 174, and 175; revegetation of disturbed areas; and site clean-up.*

The contract was awarded to Nor-Cal Pump & Well Drilling. Work is complete, with contractor de-mobilized.

| | Budget Cost | Cost to Date |
|---|---|---|
| Contract Amount | $2,849,000.00 | $2,246,968.00 |
| Change Orders | $202,737.50 | $0.00 |
| Total | $3,051,737.50 | $2,246,968.00 |

Percent Change Order Costs = 7.12%

Construction is 100% complete.

| | | |
|---|---|---|
| Change Order No. 1 | | |
| Item 1 | $0.00 | Add 140 Calendar Days |
| Change Order No. 2 | | |
| Item 1 | $202,737.50 | Quantity adjustments to various bid items |

**Equipping New Well Nos. 173, 174, and 175 [D2009, D2058, and D2121]**

*Construction of Well Nos. 173, 174, and 175 improvements, including installation of three (3) vertical turbine pumping units with electric motors; installation of well pump discharge piping, valves, and appurtenances; installation of and connection to existing below-grade well discharge piping; installation of all associated electrical conduit, wiring, and appurtenances; installation of high-pressure relief and well blowoff piping, valves, and appurtenances; installation of well blowoff piping; installation of sodium hypochlorite storage and feed systems and appurtenances; installation of concrete slabs and below-grade piping for District furnished and installed pump water lubrication system panels and booster pumps; and all related work.*

The contract was awarded to Canyon Springs Enterprises. Motor control center panels and variable frequency drives have been installed at Well Nos. 173, 174, and 175. Contractor is expecting pumps to arrive in March, with installation and final piping connections to commence upon delivery.

| | Budget Cost | Cost to Date |
|---|---|---|
| Contract Amount | $5,771,000.00 | $2,407,175.00 |
| Change Orders | -$125,659.58 | -$20,479.06 |
| Total | $5,645,340.42 | $2,386,695.94 |

Percent Change Order Costs = -2.18%

Construction is 42% complete.

| | | |
|---|---|---|
| Change Order No. 1 | | |
| Item 1 | $7,755.25 | Additional survey and staking |
| Item 2 | $1,886.34 | Revised piping profiles |
| Item 3 | $11,646.53 | Revised ductbank |
| Item 4 | ($45,000.00) | Deletion of shade structures |
| Change Order No. 2 | | |
| Item 1 | $30,525.36 | Increase pump setting depth at Well No. 173 |
| Item 2 | $25,456.35 | Increase pump setting depth at Well No. 174 |
| Item 3 | $20,637.14 | Increase pump setting depth at Well No. 175 |
| Item 4 | $3,232.82 | Extend MCC concrete slabs |
| Change Order No. 3 | | |
| Item 1 | $10,721.32 | Soil cement at Well 173 pond slopes |
| Item 2 | $1,479.31 | Best Drill and Pump mobilization and standby costs |
| Item 3 | ($194,000.00) | Removal of Bid Line Items 66-71 |

**Joaquin Ranch Pump Station Disinfection System Improvements [D2199]**

*The work includes construction of the Joaquin Ranch Pump Station Disinfection System Improvements, which generally includes demolition of existing sodium hypochlorite generation and injection equipment and enclosures; construction of a masonry block building with HVAC system; installation of sodium hypochlorite and liquid ammonium sulfate injection systems, each consisting of a storage tank, metering pumps, piping, and valves; installation of water quality analyzers; construction of an above-grade static mixer with associated piping and valves; modification to the Pump Station suction piping; construction of approximately 100 linear feet (LF) 8-inch water pipeline; controls and instrumentation; lighting; and various site improvements.*

The Board approved the award to the apparent low bidder, HPS Mechanical, Inc., with a bid of $2,315,391. The Notice of Award was sent on November 13, 2025. The preconstruction meeting was held on January 14, 2026. Contractor has mobilized, preformed potholing and other preliminary activities. The existing building has been demolished and subgrade preparation for new building is in progress.

| | Budget Cost | Cost to Date |
|---|---|---|
| Contract Amount | $2,315,391.00 | $113,365.00 |
| Change Orders | $0.00 | $0.00 |
| Total | $2,315,391.00 | $113,365.00 |

Percent Change Order Costs = 0.00%

Construction is 5% complete.

Total change order costs to date as a percentage of the initially contracted amount for all projects:

| Total Initial Contract Amount | Total Change Order Cost | Change Order Percentage | Target Range |
|---|---|---|---|
| $59,130,709 | $823,109 | 1.39% | 7% Max. |

# OPEN CAPITAL JOBS / ACTIVITIES

## LIFE-TO-DATE BUDGET TO ACTUAL COMPARISON THROUGH 02/28/2026

| SUMMARY PROJECT | STATUS | DESCRIPTION | REVISED BUDGET | PAID TO DATE 02/28/2026 | REMAINING BUDGET |
|---|---|---|---|---|---|
| CA2601 | ACTIVE | FLAT BED PICKUP (F550) | 100,000.00 | 88,402.41 | 11,597.59 |
| CA2602 | ACTIVE | 3500 CHEVY REPLACING UNITS 220 AND 307 | 200,000.00 | 162,379.07 | 37,620.93 |
| CA2603 | ACTIVE | EV OFFSET VEHICLES FOR CARB (F150 LIGHTENING) | 480,000.00 | 409,687.15 | 70,312.85 |
| CA2605 | ACTIVE | BIG BLUE WELDER | 24,000.00 | 23,484.56 | 515.44 |
| CA2606 | ACTIVE | HYDRO EXCAVATOR | 750,000.00 | 642,704.94 | 107,295.06 |
| CA2607 | ACTIVE | F550 VALVE TRUCK | 190,000.00 | 169,948.47 | 20,051.53 |
| CA2608 | ACTIVE | CHEMICAL FEED PUMPS | 65,000.00 | 0.00 | 65,000.00 |
| CA2609 | ACTIVE | CL10 HACH ONLINE ANALYZER / CONTROLLER DISPLAY | 20,000.00 | 10,208.10 | 9,791.90 |
| CA2610 | ACTIVE | CL17 HACH ONLINE ANALYZER / CONTROLLER DISPLAY | 20,000.00 | 10,208.10 | 9,791.90 |
| CA2611 | ACTIVE | REPLACE SHOP AIR COMPRESSOR | 15,000.00 | 12,975.57 | 2,024.43 |
| CA2612 | ACTIVE | FAB SHOP REPLACEMENT EQUIPMENT | 15,000.00 | 13,324.19 | 1,675.81 |
| CA2613 | ACTIVE | REPLACEMENT SHORING EQUIPMENT | 20,000.00 | 0.00 | 20,000.00 |
| CA2615 | ACTIVE | RESERVOIR MIXERS | 85,000.00 | 64,627.08 | 20,372.92 |
| CA2616 | ACTIVE | CHLORINE ANALYZER | 20,000.00 | 5,104.05 | 14,895.95 |
| CA2618 | ACTIVE | LEAK DETECTION EQUIPMENT | 15,000.00 | 0.00 | 15,000.00 |
| CA2619 | ACTIVE | METER BENCH TEST MACHINE | 4,000.00 | 0.00 | 4,000.00 |
| CA2621 | ACTIVE | GPS UNIT | 12,000.00 | 11,168.81 | 831.19 |
| CA2622 | ACTIVE | SEWER MANHOLE FRAME AND COVERS | 35,000.00 | 32,682.34 | 2,317.66 |
| CA2623 | ACTIVE | ANNUAL PC/LAPTOP REPLACEMENT | 40,000.00 | 38,144.13 | 1,855.87 |
| CA2624 | ACTIVE | SRWRF ESXI SERVER FARM REPLACEMENT | 70,000.00 | 0.00 | 70,000.00 |
| CA2626 | ACTIVE | AS-BUILT CONVERSIONS | 10,000.00 | 0.00 | 10,000.00 |
| CA2627 | ACTIVE | OFFICE WORKSTATIONS - PHASE II (FINANCE) | 13,500.00 | 0.00 | 13,500.00 |
| CA2628 | ACTIVE | OFFICE WORKSTATIONS - PHASE II (ENGINEERING) | 100,000.00 | 19,936.62 | 80,063.38 |
| CA2629 | ACTIVE | WAREHOUSE FORKLIFT | 60,000.00 | 0.00 | 60,000.00 |
| CA2630 | ACTIVE | FIRE ALARM SYSTEM REPLACEMENT | 77,000.00 | 0.00 | 77,000.00 |
| D1903 | ACTIVE | REGIONAL VDC PS & CCT | 42,740,000.00 | 24,626,433.56 | 18,113,566.44 |
| D1911 | ACTIVE | VAIL DAM SEISMIC/HYDROLOGIC | 101,472,830.00 | 8,668,776.01 | 92,804,053.99 |
| D2008 | ACTIVE | UPPER VDC RECHARGE WELL 172 | 5,566,000.00 | 5,605,205.33 | (39,205.33) |
| D2009 | ACTIVE | UPPER VDC RECHARGE WELL 173 | 4,877,176.00 | 3,839,805.97 | 1,037,370.03 |
| D2048 | ACTIVE | CARANCHO PS EXPANSION (DESIGN) | 8,750,000.00 | 4,512,994.09 | 4,237,005.91 |
| D2058 | ACTIVE | UPPER VDC NEW WELL 174 | 4,603,362.00 | 2,360,419.00 | 2,242,943.00 |
| D2062 | ACTIVE | PIPELINE ASSET MGMT RC DIV | 485,000.00 | 305,091.10 | 179,908.90 |
| D2063 | ACTIVE | PIPELINE ASSET MGMT SR DIV | 485,000.00 | 292,413.69 | 192,586.31 |
| D2064 | ACTIVE | PIPELINE ASSET MGMT DIV4 | 260,000.00 | 106,913.22 | 153,086.78 |

# OPEN CAPITAL JOBS / ACTIVITIES

## LIFE-TO-DATE BUDGET TO ACTUAL COMPARISON THROUGH 02/28/2026

| SUMMARY PROJECT | STATUS | DESCRIPTION | REVISED BUDGET | PAID TO DATE 02/28/2026 | REMAINING BUDGET |
|---|---|---|---|---|---|
| D2121 | ACTIVE | NEW UVDC WELL NO. 175 | 5,403,362.00 | 5,063,156.01 | 340,205.99 |
| D2132 | ACTIVE | WELL 232 EQUIPPING RENOVATION | 897,000.00 | 688,597.12 | 208,402.88 |
| D2155 | ACTIVE | SANTA GERTRUDIS CREEK CROSSING | 360,000.00 | 96,894.16 | 263,105.84 |
| D2172 | ACTIVE | RCWD HQ SKYLIGHT ROOF REPAIR | 200,000.00 | 189,845.88 | 10,154.12 |
| D2181 | ACTIVE | UPPER VDC HYDROELECTRIC GENERA | 5,700,000.00 | 3,534,942.40 | 2,165,057.60 |
| D2184 | ACTIVE | GROUNDWATER BANKING FEASIBILIT | 1,276,497.00 | 1,259,707.65 | 16,789.35 |
| D2189 | ACTIVE | CLEAN FLEET RULES COMPLIANCE M | 750,000.00 | 66,727.14 | 683,272.86 |
| D2196 | ACTIVE | CMMS REPLACEMENT | 1,833,625.00 | 554,937.38 | 1,278,687.62 |
| D2199 | ACTIVE | JOAQUIN RANCH PS DISINFECTION | 3,250,000.00 | 630,104.90 | 2,619,895.10 |
| D2206 | ACTIVE | WATERSMART INTEGRATED GROUNDWA | 400,000.00 | 287,871.84 | 112,128.16 |
| D2217 | ACTIVE | WASHINGTON AVENUE HYDROELECTRI | 3,300,000.00 | 2,148,301.05 | 1,151,698.95 |
| D2220 | ACTIVE | DE PORTOLA PUMP STATION P5 REP | 90,000.00 | 2,877.53 | 87,122.47 |
| D2223 | ACTIVE | BEAR CREEK PS P2 REPLACEMENT | 115,000.00 | 2,190.00 | 112,810.00 |
| D2225 | ACTIVE | ACE BOWEN PS1, P4 REPLACEMENT | 125,000.00 | 3,289.85 | 121,710.15 |
| D2226 | ACTIVE | RANCHO CALIFORNIA PS1-1 REPLAC | 75,000.00 | 521.08 | 74,478.92 |
| D2227 | ACTIVE | BUCK MESA PS, P6 REHABILITATIO | 95,000.00 | 2,877.53 | 92,122.47 |
| D2229 | ACTIVE | DIAZ RD WIDENING FACILITY RELO | 125,000.00 | 80,535.94 | 44,464.06 |
| D2230 | ACTIVE | WELL 139 UNSCHEDULED FAILURE. | 665,000.00 | 701,069.31 | (36,069.31) |
| D2231 | ACTIVE | CAL OAKS PUMP STATION P2 REPLA | 90,000.00 | 5,295.00 | 84,705.00 |
| D2232 | ACTIVE | NORMA MARSHALL PUMP STATION P2 | 90,000.00 | 0.00 | 90,000.00 |
| D2236 | ACTIVE | DE PORTOLA RESERVOIR NO. 1 INT | 864,500.00 | 962,645.16 | (98,145.16) |
| D2237 | ACTIVE | DE PORTOLA RESERVOIR NO. 2 EXT | 334,000.00 | 397,735.87 | (63,735.87) |
| D2242 | ACTIVE | PAUBA ROAD WIDENING RELOCATION | 150,000.00 | 208,207.38 | (58,207.38) |
| D2245 | ACTIVE | HEADQUARTERS - ROOFING REPAIRS | 585,000.00 | 60,281.50 | 276,286.00 |
| D2246 | ACTIVE | HEADQUARTERS - RECOATING | 250,000.00 | 111,481.44 | 138,518.56 |
| D2247 | ACTIVE | HEADQUARTERS LANDSCAPE UPGRADE | 90,000.00 | 15,944.40 | 74,055.60 |
| D2250 | ACTIVE | WELL NO. 240 TREATMENT STRATEG | 1,100,000.00 | 167,637.97 | 932,362.03 |
| D2255 | ACTIVE | PAUBA VALLEY WELL NOS. 178, 17 | 2,000,000.00 | 21,547.11 | 1,978,452.89 |
| D2256 | ACTIVE | VAIL RANCH NEIGHBORHOOD POTABL | 2,000,000.00 | 223,100.17 | 1,776,899.83 |
| D2258 | ACTIVE | INFOR CLOUDSUITE IMPLEMENTATIO | 3,115,525.00 | 2,601,969.09 | 513,555.91 |
| D2259 | ACTIVE | VAIL PROPERTY PLAN | 250,000.00 | 50,216.19 | 199,783.81 |
| D2262 | ACTIVE | RECYCLED WATER PONDS SOLIDS MA | 75,000.00 | 0.00 | 75,000.00 |
| D2263 | ACTIVE | MID-VALLEY RECHARGE BASINS | 11,000,000.00 | 1,910,346.72 | 9,089,653.28 |
| D2267 | ACTIVE | WELL DEPTH SYSTEM RESOURCE | 50,000.00 | 105,334.35 | (55,334.35) |

# OPEN CAPITAL JOBS / ACTIVITIES

## LIFE-TO-DATE BUDGET TO ACTUAL COMPARISON THROUGH 02/28/2026

| SUMMARY PROJECT | STATUS | DESCRIPTION | REVISED BUDGET | PAID TO DATE 02/28/2026 | REMAINING BUDGET |
|---|---|---|---|---|---|
| D2268 | ACTIVE | WELL DEPTH SYSTEM RANCHO | 75,000.00 | 86,475.65 | (11,475.65) |
| D2269 | ACTIVE | WELL 149 REHABILITATION | 275,000.00 | 242,295.17 | 32,704.83 |
| D2288 | ACTIVE | ACE BOWEN GAS ENGINE 2-1 REBUI | 195,000.00 | 92,862.18 | 102,137.82 |
| D2292 | ACTIVE | RANCHO CALIFORNIA RD ROUNDABOU | 250,000.00 | 599.21 | 249,400.79 |
| D2500 | ACTIVE | RESERVOIR RECOAT & REHAB - RAN | 1,500,000.00 | 16,925.97 | 1,483,074.03 |
| D2501 | ACTIVE | RESERVOIR RECOAT & REHAB - SAN | 1,500,000.00 | 9,432.35 | 1,490,567.65 |
| D2502 | ACTIVE | SANTA ROSA PIPELINE AND APPURT | 2,000,000.00 | 17,974.71 | 1,982,025.29 |
| D2503 | ACTIVE | PAUBA VALLEY WELL NO. 180 | 6,500,000.00 | 0.00 | 6,500,000.00 |
| D2504 | ACTIVE | PAUBA VALLEY WELL NO. 181 - WE | 6,500,000.00 | 0.00 | 6,500,000.00 |
| D2505 | ACTIVE | PFAS TREATMENT FACILITY DESIGN | 7,500,000.00 | 312,281.42 | 7,187,718.58 |
| D2507 | ACTIVE | PAUBA VALLEY WELL NO. 178 | 6,500,000.00 | 0.00 | 6,500,000.00 |
| D2508 | ACTIVE | PAUBA VALLEY WELL NO. 179 | 6,500,000.00 | 40,659.27 | 6,459,340.73 |
| D2511 | ACTIVE | MISC. UNKNOWN RELOCATIONS -FAC | 250,000.00 | 125,227.03 | 124,772.97 |
| D2512 | ACTIVE | MISC. UNKNOWN RELOCATIONS -FAC | 65,000.00 | 55,164.32 | 9,835.68 |
| D2513 | ACTIVE | WELL 309 - WELL PRE-LUBE CABINET | 16,000.00 | 21,127.51 | (5,127.51) |
| D2519 | ACTIVE | MURRIETA CREEK FLOOD CONTROL PROJECT, PHASE 2B | 1,325,000.00 | 11,589.22 | 1,313,410.78 |
| D2570A | ACTIVE | TRAILER FOR PUMPS/WELLS CREW | 12,500.00 | 0.00 | 12,500.00 |
| D2570B | ACTIVE | HETRA MOBILE COLUMN LIFT-LP SE | 85,000.00 | 84,942.86 | 57.14 |
| D2570C | ACTIVE | ENCLOSED CAB SKID STEER | 130,000.00 | 119,091.87 | 10,908.13 |
| D2570D | ACTIVE | ZIEMEN BACKHOE TRAILER | 75,000.00 | 49,115.74 | 25,884.26 |
| D2570E | ACTIVE | VALVE TRAILER | 35,000.00 | 0.00 | 35,000.00 |
| D2570F | ACTIVE | FAB SHOP REPLACEMENT EQUIPMENT | 15,000.00 | 0.00 | 15,000.00 |
| D2570G | ACTIVE | REPLACEMENT SHORING EQUIPMENT | 15,000.00 | 13,571.57 | 1,428.43 |
| D2570H | ACTIVE | GATE MOTOR REPLACEMENT AT HQ | 10,000.00 | 0.00 | 10,000.00 |
| D2570I | ACTIVE | ONLINE ANALYZER AT VDC AMMONIA | 36,500.00 | 0.00 | 36,500.00 |
| D2570J | ACTIVE | BULK SALT HOPPER | 110,000.00 | 103,270.00 | 6,730.00 |
| D2570K | ACTIVE | CHEMICAL FEED PUMPS/WELLS FLOW | 80,000.00 | 0.00 | 80,000.00 |
| D2570L | ACTIVE | ITRON SOLAR BATTERIES FOR COLL | 25,000.00 | 7,526.49 | 17,473.51 |
| D2570M | ACTIVE | MOBILE PIPE/IRRIGATION RECHARG | 40,000.00 | 0.00 | 40,000.00 |
| D2570N | ACTIVE | DIGITAL PRESSURE RECORDERS | 10,000.00 | 9,920.84 | 79.16 |
| D2570P | ACTIVE | PC/LAPTOP REPLACEMENT 20% | 37,000.00 | 37,535.54 | (535.54) |
| D2570Q | ACTIVE | REPLACEMENT GRAPHICS WORKSTAT | 14,000.00 | 11,946.89 | 2,053.11 |
| D2570R | ACTIVE | CANON COPIER/PRINTER REPLACEME | 29,000.00 | 25,882.51 | 3,117.49 |
| D2570S | ACTIVE | APPLE IPAD REPLACEMENT | 18,000.00 | 0.00 | 18,000.00 |

# OPEN CAPITAL JOBS / ACTIVITIES

## LIFE-TO-DATE BUDGET TO ACTUAL COMPARISON THROUGH 02/28/2026

| SUMMARY PROJECT | STATUS | DESCRIPTION | REVISED BUDGET | PAID TO DATE 02/28/2026 | REMAINING BUDGET |
|---|---|---|---|---|---|
| D2570T | ACTIVE | ONBASE ECM SERVER SOFTWARE REP | 29,750.00 | 28,500.00 | 1,250.00 |
| D2570U | ACTIVE | PERFORMANCE ENG WORKSTATIONS | 16,500.00 | 11,701.50 | 4,798.50 |
| D2570V | ACTIVE | AS-BUILT CONVERSIONS | 10,000.00 | 0.00 | 10,000.00 |
| D2601 | ACTIVE | FY 2025-26 VALVE AND APPURTENANCE REPLACEMENT | 1,950,000.00 | 1,164,548.25 | 785,451.75 |
| D2602 | ACTIVE | FY25-26 CUSTOMER METER REPLACEMENT | 1,005,000.00 | 0.00 | 1,005,000.00 |
| D2603 | ACTIVE | BUTTERFIELD STAGE PUMP STATION NATURAL GAS DRIVER | 250,000.00 | 600.11 | 249,399.89 |
| D2604 | ACTIVE | JEFFERSON AVENUE EXISTING 24-INCH ACP VALVE PROJECT | 2,000,000.00 | 75,193.88 | 1,924,806.12 |
| D2605 | ACTIVE | OLD TOWN FRONT STREET PIPELINE REPLACEMENT | 2,500,000.00 | 60,814.48 | 2,439,185.52 |
| D2606 | ACTIVE | WILDFIRE MITIGATION SUPPORT (STORAGE) | 500,000.00 | 14,816.17 | 485,183.83 |
| D2607 | ACTIVE | FY 2025-26 VALVE AND APPURTENANCE REPLACEMENT | 1,260,000.00 | 730,399.13 | 529,600.87 |
| D2608 | ACTIVE | FY 2025-26 CUSTOMER METER REPLACEMENT | 555,000.00 | 0.00 | 555,000.00 |
| D2609 | ACTIVE | HEADQUARTERS FACILITIES MODIFICATIONS AND IMPROVEMENTS, PH 2 | 500,000.00 | 64,324.04 | 300,976.36 |
| D2610 | ACTIVE | RENTAL PROPERTY PAVING PROJECT | 120,000.00 | 0.00 | 120,000.00 |
| D2611 | ACTIVE | 50-ACRES REBUILD | 93,000.00 | 0.00 | 93,000.00 |
| D2612 | ACTIVE | SCADA COMMUNICATIONS RADIO REPLACEMENT (RANCHO) | 62,500.00 | 60,767.03 | 1,732.97 |
| D2613 | ACTIVE | PRS PRESSURE RELIEF VALVE SWITCHES (RANCHO) | 52,500.00 | 27,964.07 | 24,535.93 |
| D2614 | ACTIVE | AIR-VAC UPGRADES (RANCHO) | 75,000.00 | 58,176.38 | 16,823.62 |
| D2615 | ACTIVE | ELM ST PUMP STATION 1&2 500KW CAT PORTABLE GENERATOR TO STATIONARY | 150,000.00 | 0.00 | 150,000.00 |
| D2616 | ACTIVE | WELL SHED ENCLOSURES (WELL NO. 232) | 130,000.00 | 22,631.21 | 107,368.79 |
| D2617 | ACTIVE | SURGE TANK AUTOMATION (MECHANICAL) | 225,000.00 | 115,503.53 | 109,496.47 |
| D2619 | ACTIVE | SURGE TANK AUTOMATION (INSTRUMENTATION & CONTROL) | 102,000.00 | 59,967.22 | 42,032.78 |
| D2620 | ACTIVE | SCADA COMMUNICATIONS RADIO REPLACEMENT (SANTA ROSA) | 62,500.00 | 27,488.17 | 35,011.83 |
| D2621 | ACTIVE | PRS PRESSURE RELIEF VALVE SWITCHES (SANTA ROSA) | 52,500.00 | 39,967.90 | 12,532.10 |
| D2622 | ACTIVE | AIR-VAC UPGRADES (SANTA ROSA) | 75,000.00 | 49,577.74 | 25,422.26 |
| D2623 | ACTIVE | BALDARAY PUMP STATION 500KW CAT PORT GENERATOR TO STATIONARY | 110,000.00 | 0.00 | 110,000.00 |
| D2624 | ACTIVE | WELL SHED ENCLOSURES | 520,000.00 | 27,402.49 | 492,597.51 |
| D2625 | ACTIVE | WELL NO. 133 REHAB AND APPURTENANCE REPLACEMENT | 350,000.00 | 297,917.62 | 52,082.38 |
| D2626 | ACTIVE | RECYCLED WATER STORAGE PONDS CONTROL VALVE AUTOMATION | 267,000.00 | 0.00 | 267,000.00 |
| D2627 | ACTIVE | 16-INCH MOV AT ELM STREET PUMP STATION NO. 3 | 240,500.00 | 0.00 | 240,500.00 |
| D2628 | ACTIVE | WELL NO. 126 REHAB AND APPURTENANCE REPLACEMENT | 350,000.00 | 27,181.65 | 322,818.35 |
| D2629 | ACTIVE | WELL NO. 152 - REHAB AND MANIFOLD IMPROVEMENTS | 170,000.00 | 180,605.78 | (10,605.78) |
| D2630 | ACTIVE | WELLS NOS. 153 & 154 REHAB | 200,000.00 | 0.00 | 200,000.00 |
| D2631 | ACTIVE | ELM ST PUMP STATION 1&2 500KW CAT POR GENERATOR TO STATIONAR | 110,000.00 | 13,825.36 | 96,174.64 |
| D2632 | ACTIVE | IMPROVEMENTS TO CAYENTA SOFTWARE | 50,000.00 | 15,000.00 | 35,000.00 |

# OPEN CAPITAL JOBS / ACTIVITIES

## LIFE-TO-DATE BUDGET TO ACTUAL COMPARISON THROUGH 02/28/2026

| SUMMARY PROJECT | STATUS | DESCRIPTION | REVISED BUDGET | PAID TO DATE 02/28/2026 | REMAINING BUDGET |
|---|---|---|---|---|---|
| D2633 | ACTIVE | PAYMENT OUTSOURCING SOFTWARE | 100,000.00 | 0.00 | 100,000.00 |
| D2634 | ACTIVE | QUALTRICS CUSTOMER EXPERIENCE SOFTWARE | 50,000.00 | 0.00 | 50,000.00 |
| D2635 | ACTIVE | CRM SOFTWARE | 50,000.00 | 529.33 | 49,470.67 |
| D2636 | ACTIVE | CAYENTA UPGRADE | 110,000.00 | 0.00 | 110,000.00 |
| D2637 | ACTIVE | GIS COMPONENT | 180,000.00 | 71,769.43 | 108,230.57 |
| D2639 | ACTIVE | DEL ORO SURGE TANK AUTOMATION | 50,000.00 | 38,758.85 | 11,241.15 |
| D2640 | ACTIVE | RW COLLECTION SYSTEM IMPROVEMENTS | 200,000.00 | 0.00 | 200,000.00 |
| D2641 | ACTIVE | RECYCLED WATER STORAGE POND IMPROVEMENTS (DESIGN) | 600,000.00 | 2,307.06 | 597,692.94 |
| D2642 | ACTIVE | BALDARAY SURGE TANK AUTOMATION | 50,000.00 | 50,498.13 | (498.13) |
| D2643 | ACTIVE | VIA VAQUERO SURGE TANK AUTOMATION | 50,000.00 | 51,355.25 | (1,355.25) |
| D2644 | ACTIVE | MISC UNKNOWN RELOCATIONS - FACILITY RELOCATIONS | 275,000.00 | 0.00 | 275,000.00 |
| D2645 | ACTIVE | COT OVERLAND DRIVE WIDENING - APPURTENANCE RELOCATIONS | 200,000.00 | 0.00 | 200,000.00 |
| D2646 | ACTIVE | MISC UNKNOWN RELOCATIONS - FACILITY RELOCATIONS (SANTA ROSA) | 75,000.00 | 0.00 | 75,000.00 |
| D2647 | ACTIVE | UVDC ENERGY INDEPENDENCE (FEASIBILITY & PRELIMINARY DESIGN) | 250,000.00 | 0.00 | 250,000.00 |
| D2649 | ACTIVE | WAREHOUSE STORAGE IMPROVEMENTS | 150,000.00 | 65,856.56 | 84,143.44 |
| D2650 | ACTIVE | ANZA MOTOR & PUMPING EQUIPMENT | 66,000.00 | 0.00 | 66,000.00 |
| D2651 | ACTIVE | WINCHESTER MOTOR & PUMP EQUIPMENT | 66,000.00 | 0.00 | 66,000.00 |
| D2652 | ACTIVE | NORMA MARSHALL MOTOR & PUMP EQUIPMENT | 66,000.00 | 0.00 | 66,000.00 |
| D2653 | ACTIVE | BUTTERFIELD STAGE MOTOR & PUMP EQUIPMENT | 66,000.00 | 0.00 | 66,000.00 |
| D2654 | ACTIVE | CALLE BREVE MOTOR & PUMP EQUIPMENT | 66,000.00 | 0.00 | 66,000.00 |
| D2655 | ACTIVE | DE PORTOLA RES NO 1 & 2 DRAIN LINE RELOCATION | 400,000.00 | 7,540.22 | 392,459.78 |
| D2656 | ACTIVE | VARIABLE FREQUENCY DRIVE RANCHO PUMP STATION 1 | 20,000.00 | 0.00 | 20,000.00 |
| D2657 | ACTIVE | CALLE BREVE PUMP STATION MAIN CIRCUIT BREAKER | 17,500.00 | 0.00 | 17,500.00 |
| G1230 | ACTIVE | DWR PROP 1 ROUND 2 SANTA MARGA | 1,149,696.00 | 451,534.55 | 698,161.45 |
| G1240 | ACTIVE | DWR REGIONAL CROPSWAP | 6,778,823.00 | 2,887,622.65 | 3,891,200.35 |
| G1250 | ACTIVE | USBR WATER CONSERVATION DEMO | 225,249.77 | 60,111.03 | 165,138.74 |
| G1300 | ACTIVE | VAIL DAM GRANT MANAGEMENT | 10,000.00 | 11,947.07 | (1,947.07) |
| G2601 | ACTIVE | HYDRANT CHECK VALVE - RANCHO WATER | 95,913.00 | 91,533.57 | 4,379.43 |
| G2602 | ACTIVE | HYDRANT CHECK VALVE - SANTA ROSA | 95,913.00 | 0.00 | 95,913.00 |
| G2603 | ACTIVE | DE LUZ / LA CRESTA DIP TANK | 500,000.00 | 0.00 | 500,000.00 |
| NC2601 | ACTIVE | CATHODIC PROTECTION MONITORING AND CORROSION SURVEY | 300,000.00 | 0.00 | 300,000.00 |
| NC2602 | ACTIVE | URBAN WATER MANAGEMENT PLAN UPDATE | 250,000.00 | 1,335.85 | 248,664.15 |
| NC2603 | ACTIVE | FY 2025-26 WATER LOSS AUDIT | 0.00 | 4,821.72 | (4,821.72) |
| NC2604 | ACTIVE | SEWER SYSTEM HYDRAULIC MODEL UPDATE | 50,000.00 | 80.36 | 49,919.64 |

# OPEN CAPITAL JOBS / ACTIVITIES

## LIFE-TO-DATE BUDGET TO ACTUAL COMPARISON THROUGH 02/28/2026

| SUMMARY PROJECT | STATUS | DESCRIPTION | REVISED BUDGET | PAID TO DATE 02/28/2026 | REMAINING BUDGET |
|---|---|---|---|---|---|
| NC2605 | ACTIVE | SUNDANCE CLEAN-OUT PROJECT | 50,000.00 | 8,924.48 | 41,075.52 |
| R0044 | ACTIVE | LEMON STREET SEWER REPLACEMENT | 400,000.00 | 188,805.21 | 211,194.79 |
| R0057 | ACTIVE | HEADWORKS MCC REPLACEMENT | 700,000.00 | 110,886.21 | 589,113.79 |
| R0058 | ACTIVE | PERCOLATION POND FEASIBILITY & OPTIMIZATION STUDY | 500,000.00 | 2,212.21 | 497,787.79 |
| R0059 | ACTIVE | SBR BASIN FRP DUCT REPAIR | 200,000.00 | 2,755.72 | 197,244.28 |
| R0064 | ACTIVE | AWT FACILITY REHABILITATION PROJECTS | 575,000.00 | 522,685.39 | 52,314.61 |
| R0070 | ACTIVE | SR WATER RECLAMATION SEWER REHABILITATION | 450,000.00 | 18,677.67 | 431,322.33 |
| R0071 | ACTIVE | SEWER PIEPELINE AND MANHOLE REPLACEMENT | 450,000.00 | 24,320.54 | 425,679.46 |
| R2570 | ACTIVE | FY24-25 CAPITAL ACQUISITIONS | 189,000.00 | 72,474.70 | 116,525.30 |
| R2601 | ACTIVE | MISC ASPHALT OVERLAY - ADJUST SEWER MANHOLES TO GRADE | 150,000.00 | 0.00 | 150,000.00 |
| R2603 | ACTIVE | AWT REHABILITATION TERTIARY FILTERS | 620,000.00 | 30,807.79 | 589,192.21 |
| R2604 | ACTIVE | SRWRF ROOF REPAIR PROGRAM | 430,000.00 | 1,715.09 | 428,284.91 |
| R2605 | ACTIVE | REBUILD INFLUENT PUMP (SPARE) | 70,000.00 | 19,203.54 | 50,796.46 |
| R2606 | ACTIVE | SRWRF VALVE REPLACEMENT PROGRAM | 80,000.00 | 62,825.90 | 17,174.10 |
| R2607 | ACTIVE | SRWRF BREAKER TESTING | 25,000.00 | 0.00 | 25,000.00 |
| | | **TOTAL PROJECT** | **$ 292,885,382.87** | **$ 85,209,501.85** | **$ 207,292,748.92** |

2.D

Rancho Water

COMMITTEE INFORMATION

# ENGINEERING AND OPERATIONS COMMITTEE

March 26, 2026

**ITEM 2.D:** **Operations Reports - January/February 2026**

**RESPONSIBLE/LEAD STAFF MEMBER(S):**

Jordan Farrell, Water Operations Manager
Fernando Mata, Water Reclamation Manager

**RECOMMENDATIONS:**

These reports are for the Engineering and Operations Committee's review and information.

**DISCUSSION:**

The operations report for January/February 2026 is enclosed herewith for your review.

**ALTERNATIVES:**

Not applicable

**FISCAL ANALYSIS:**

Not applicable

**ENVIRONMENTAL REQUIREMENTS:**

Not applicable

**EXHIBITS/ATTACHMENTS:**

1. Monthly Production Report
2. Production Year-to-Date Charts
3. Production Well Report
4. Vail Storage Chart
5. SRWRF Flow Biosolids Production
6. Water Sales for Month Ending February 2026

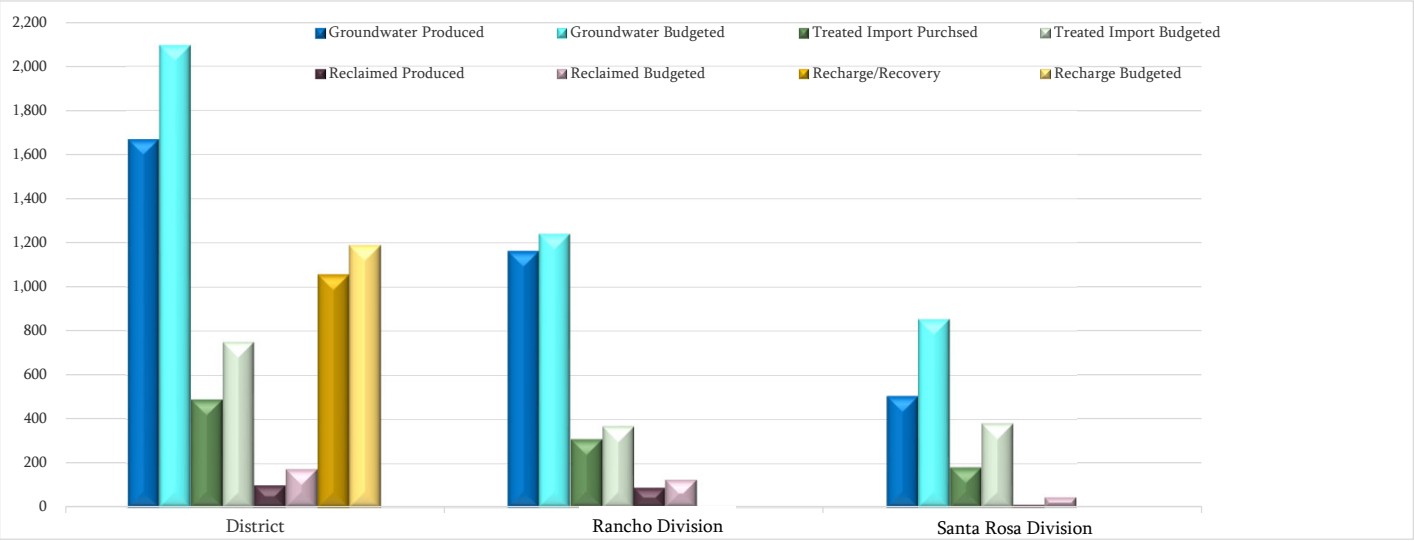
# Rancho California Water District

## Monthly Production Report

**February-26**

| | District | | Rancho Division | | Santa Rosa Division | | Present To-Date | Budget To-Date |
|---|---|---|---|---|---|---|---|---|
| | Feb-25 | Feb-26 | Feb-25 | Feb-26 | Feb-25 | Feb-26 | | |
| **Production:** | | | | | | | | |
| Groundwater | 1,868 | 1,668 | 1,323 | 1,162 | 545 | 506 | 19,281 | 21,374 |
| Treated Import | 199 | 490 | 132 | 308 | 67 | 182 | 11,821 | 11,971 |
| Reclaimed | 103 | 101 | 87 | 89 | 16 | 12 | 2,318 | 2,538 |
| (Non-Potable Groundwater) | 0 | 0 | 0 | 0 | 0 | 0 | (46) | (30) |
| **Totals** | **2,170** | **2,259** | **1,541** | **1,560** | **629** | **700** | **33,374** | **35,853** |
| Recharge/Recovery | 1,192 | 1,056 | | | | | 9,969 | 10,089 |
| Pump Stations | 2,085 | 2,116 | 1,108 | 1,138 | 977 | 979 | 32,852 | 35,756 |
| **Budget:** | | | | | | | | |
| Groundwater | 2,441 | 2,095 | 1,416 | 1,240 | 1,024 | 854 | | |
| Treated Import | 418 | 749 | 198 | 368 | 220 | 381 | | |
| Reclaimed | 179 | 174 | 133 | 125 | 46 | 46 | | |
| **Totals** | **3,038** | **3,017** | **1,748** | **1,734** | **1,290** | **1,281** | | |
| Recharge | 1,189 | 1,189 | | | | | | |
| Pump Stations | 2,803 | 2,828 | 1,027 | 1,061 | 1,777 | 1,767 | | |
| **Variance:** | | | | | | | | |
| Groundwater | (573) | (427) | (94) | (78) | (479) | (348) | | |
| Treated Import | (219) | (259) | (66) | (60) | (153) | (199) | | |
| Reclaimed | (76) | (73) | (47) | (36) | (30) | (34) | | |
| Recharge | 3 | (133) | | | | | | |
| **Totals** | **(868)** | **(758)** | **(206)** | **(174)** | **(661)** | **(581)** | | |

| **Summary Metrics:** | District | | Rancho Division | | Santa Rosa Division | | Present To-Date | | |
|---|---|---|---|---|---|---|---|---|---|
| Total Production To-Date | | | | | | | **33,374** | | |
| Budgeted Production | | | | | | | **35,853** | **(2,479)** | 93% |
| Groundwater Produced | 1,668 | | 1,162 | | 506 | | 19,281 | | |
| Groundwater Budgeted | 2,095 | (427) | 1,240 | (78) | 854 | (348) | 21,374 | (2,093) | 90% |
| Treated Import Purchsed | 490 | | 308 | | 182 | | 11,821 | | |
| Treated Import Budgeted | 749 | (259) | 368 | (60) | 381 | (199) | 11,971 | (150) | 99% |
| Reclaimed Produced | 101 | | 89 | | 12 | | 2,318 | | |
| Reclaimed Budgeted | 174 | (73) | 125 | (36) | 46 | (34) | 2,538 | (220) | 91% |
| Recharge/Recovery | 1,056 | | | | | | 9,969 | | |
| Recharge Budgeted | 1,189 | (133) | | | | | 10,089 | (120) | 99% |



# Rancho California Water District



## Monthly Production Report - Operations

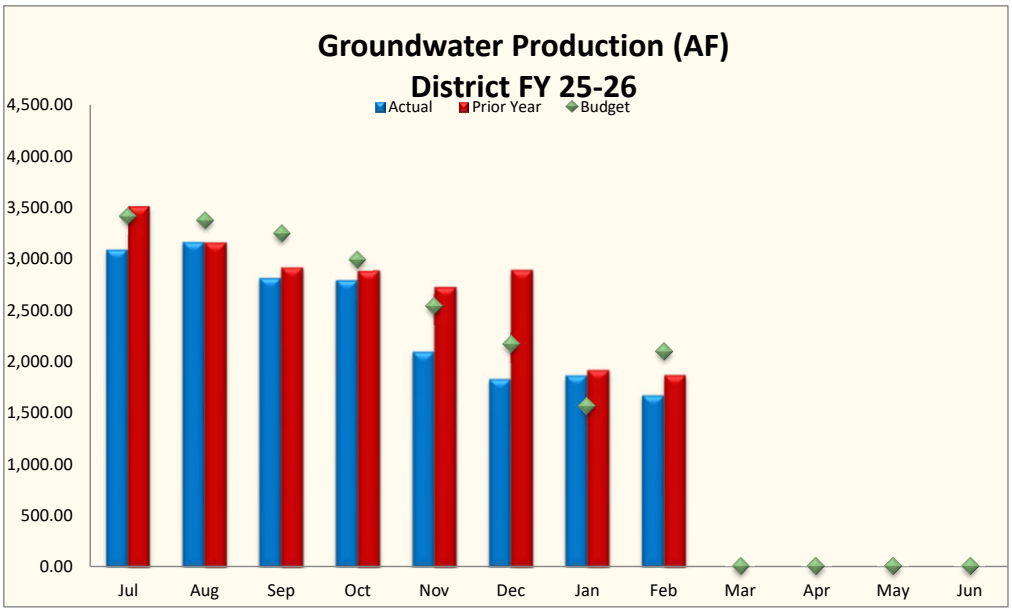
FY February-2026

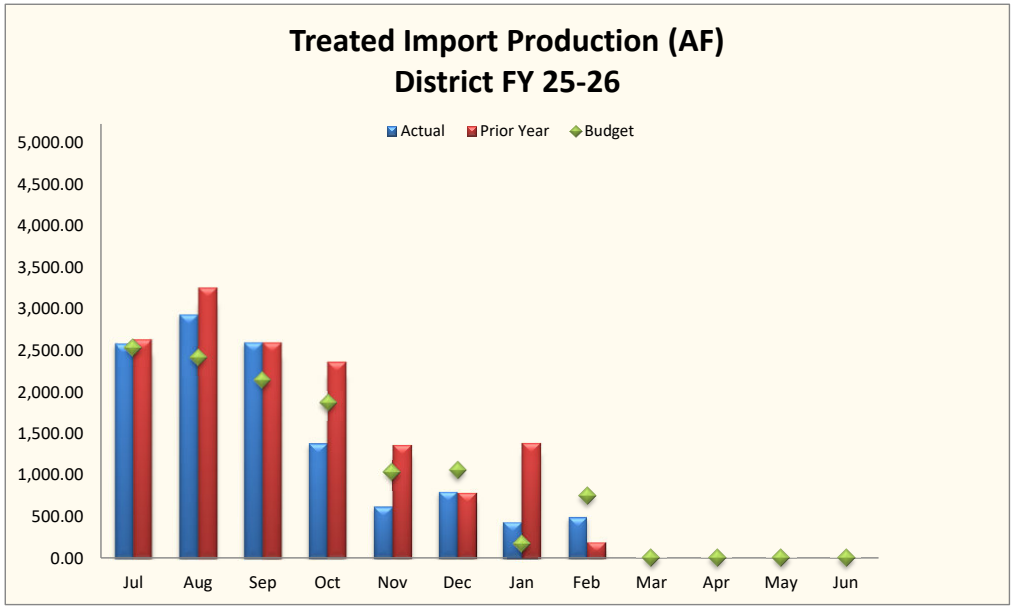
| | ACTUAL FEB-25 | ACTUAL FEB-26 | BUDGET FEB-26 | ACTUAL YTD PREVIOUS FY | ACTUAL YTD CURRENT FY | BUDGET YTD | % OF YTD BUDGET |
|---|---|---|---|---|---|---|---|
| PRODUCTION | | | | | | | |
| Total Groundwater | 1,868.00 | 1,668.00 | 2,094.52 | 21,841.30 | 19,281.30 | 21,373.90 | 90% |
| Treated Import | 199.10 | 489.90 | 749.00 | 14,547.50 | 11,820.50 | 11,971.00 | 99% |
| Total Reclaimed | 102.82 | 101.29 | 173.97 | 2,697.73 | 2,318.28 | 2,538.39 | 91% |
| Non-Potable Groundwater | 0.00 | 0.00 | 2.97 | 0.00 | 46.00 | 30.39 | 151% |
| Totals | 2,169.92 | 2,259.19 | 3,014.52 | 39,086.53 | 33,374.08 | 35,852.90 | 93% |
| Pump Station | 2,085.10 | 2,116.40 | 2,828.42 | 40,017.00 | 32,851.78 | 35,756.28 | 92% |
| RECHARGE (IMPORT) | | | | | | | |
| Recharge | 1,192.20 | 1,056.10 | 1,189.00 | 10,128.40 | 9,969.00 | 10,089.00 | 99% |
| Recovered | 1,192.20 | 1,056.10 | 1,189.00 | 10,128.40 | 9,969.00 | 10,089.00 | 99% |
| Cyclic Withdrawal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Bank Withdrawal | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

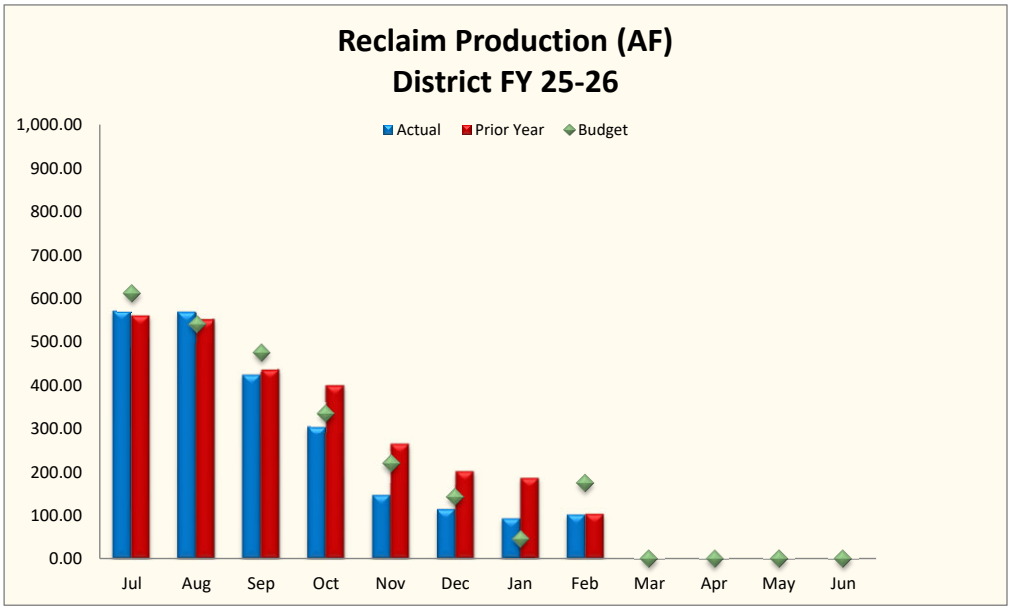
| | IN | OUT | REMAINING |
|---|---|---|---|
| STORAGE | | | |
| Cyclic | 7,929.10 AF | 7,929.48 AF | (0.38) AF |
| Bank | 24,836.90 AF | 1,448.60 AF | 23,388.30 AF |

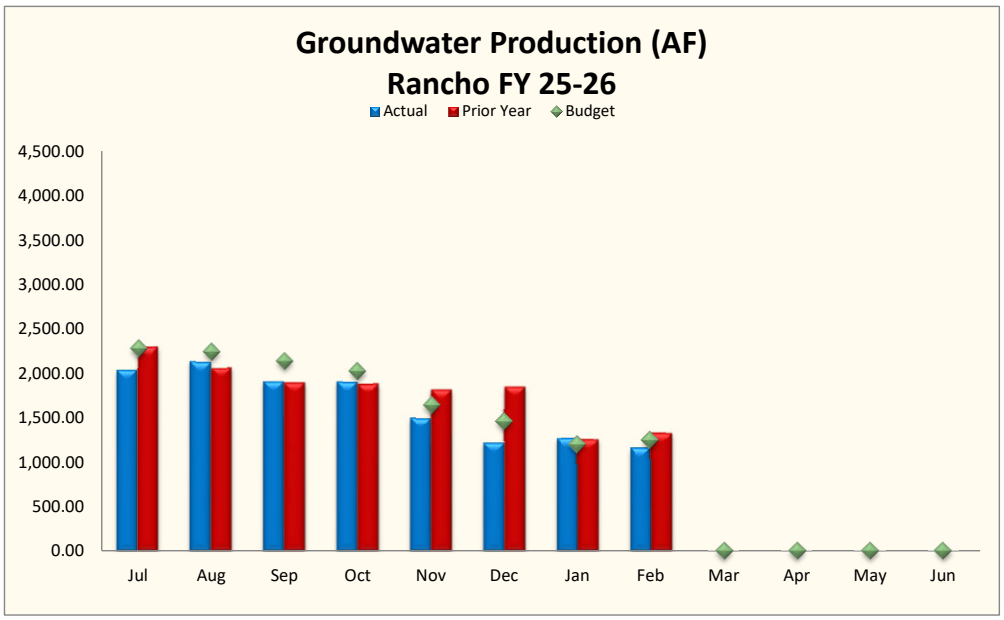
| | SANTA ROSA WRF | CONTRACT EMWD | CONTRACT EVMWD | CONTRACT WMWD |
|---|---|---|---|---|
| RECLAMATION | | | | |
| Reclaimed | 295.04 AF | 92.40 AF | --- | --- |
| Storage Ponds | 1,304.74 AF | --- | --- | --- |
| Influent | 3.39 MGD | 0.00 MGD | 1.18 MGD | 0.93 MGD |
| Effluent | 3.43 MGD | 1.08 MGD | --- | --- |

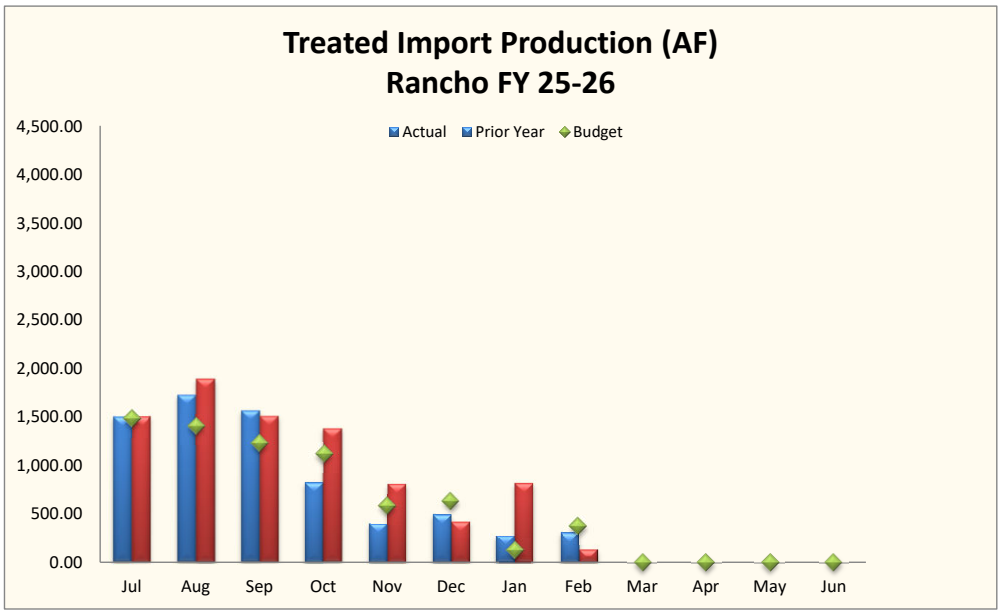
| | JAN-26 | FEB-26 | CHANGE |
|---|---|---|---|
| VAIL LAKE | | | |
| Elevation | 1,421.79 AMSL | 1,421.96 AMSL | 0.17 FT |
| Storage | 12,190.00 AF | 12,270.00 AF | 80.00 AF |
| Draft | 0.00 AF | 0.00 AF | 0.00 AF |
| Evaporation Gauge | 2.95 IN | 3.44 IN | 0.49 IN |
| Estimated Evaporation | 109.89 AF | 128.14 AF | 18.25 AF |
| Inflow - Tributary | 72.09 AF | 151.15 AF | 79.06 AF |
| Inflow - Rainfall | 67.80 AF | 56.99 AF | (10.80) AF |
| Inflow Total | 139.89 AF | 208.14 AF | 68.25 AF |

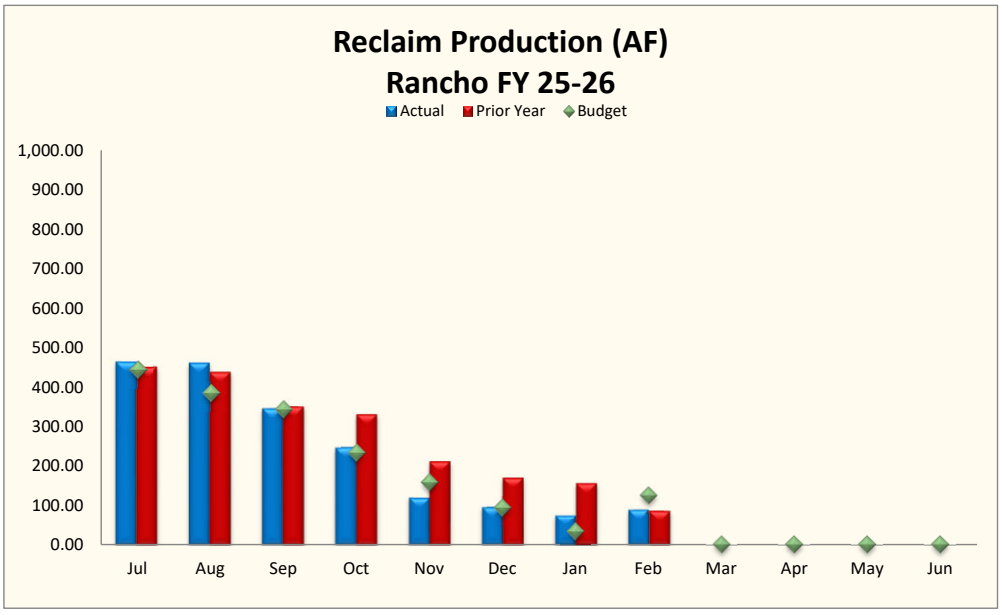

Groundwater Production (AF)
District FY 25-26
Actual
Prior Year
Budget
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
Jul
Aug
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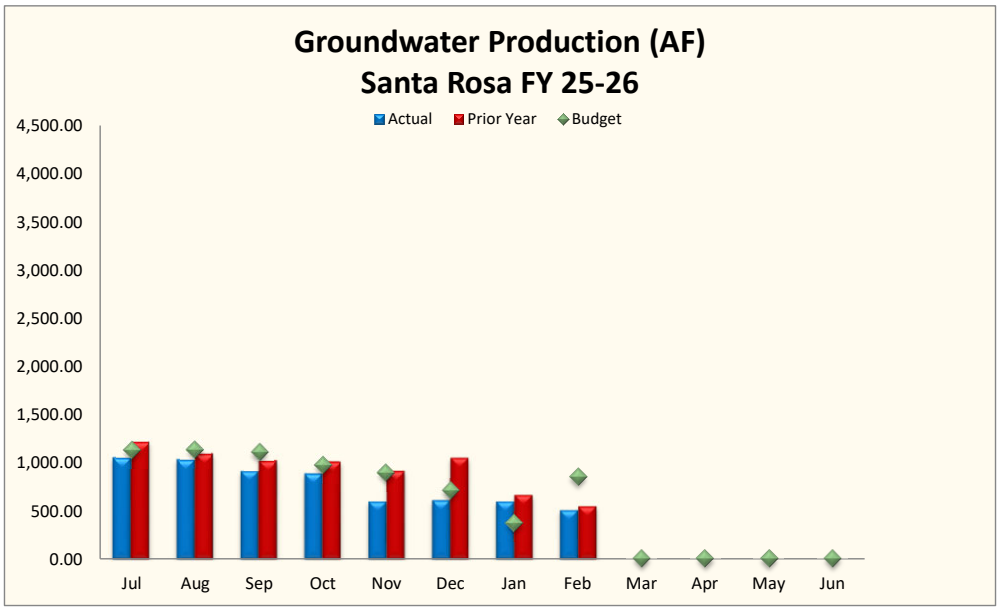

Treated Import Production (AF)
District FY 25-26
Actual
Prior Year
Budget
5,000.00
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
Jul
Aug
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Nov
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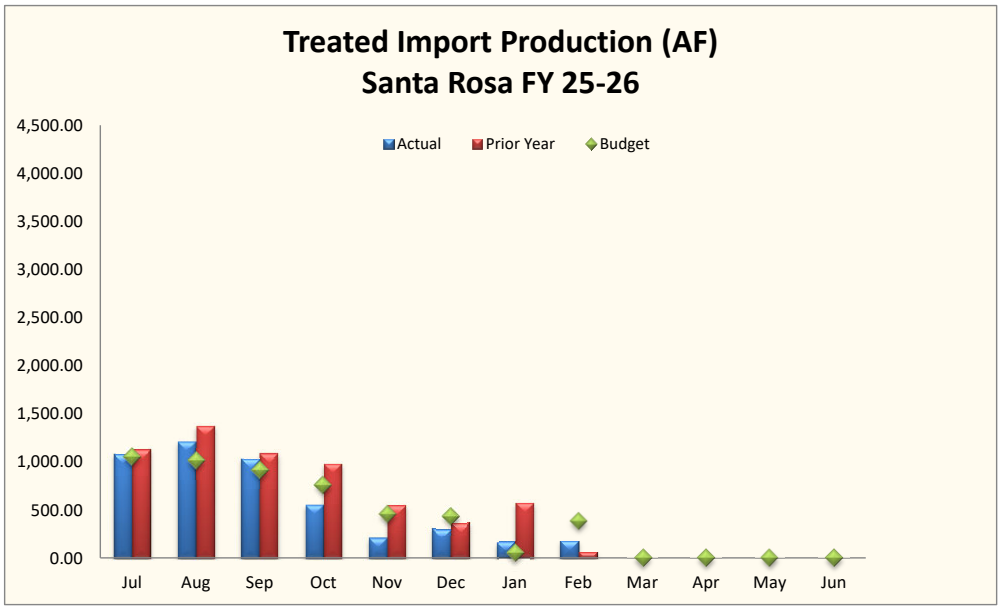

Reclaim Production (AF)
District FY 25-26
Actual
Prior Year
Budget
1,000.00
900.00
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
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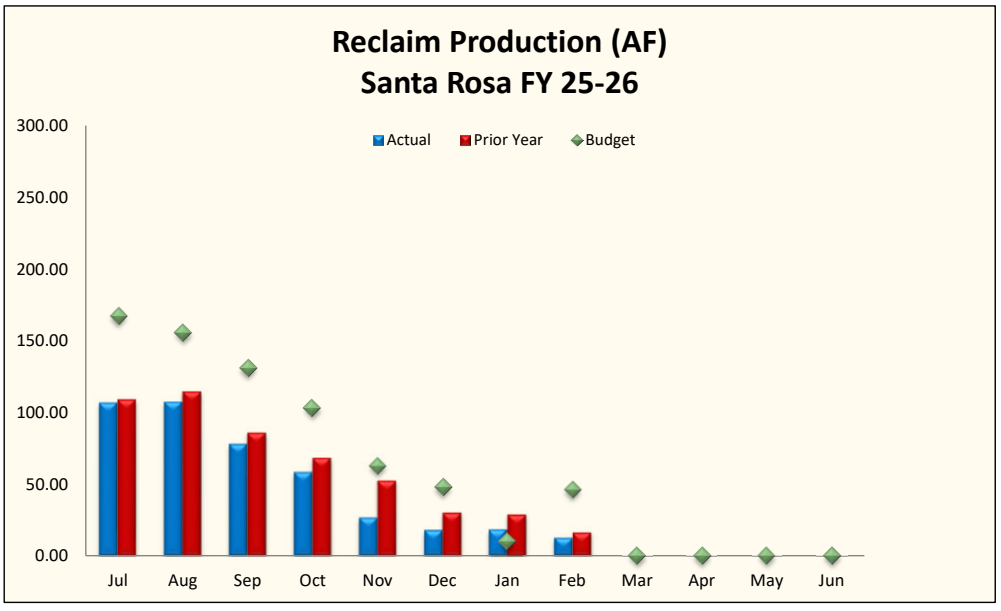

Groundwater Production (AF)
Rancho FY 25-26
Actual
Prior Year
Budget
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
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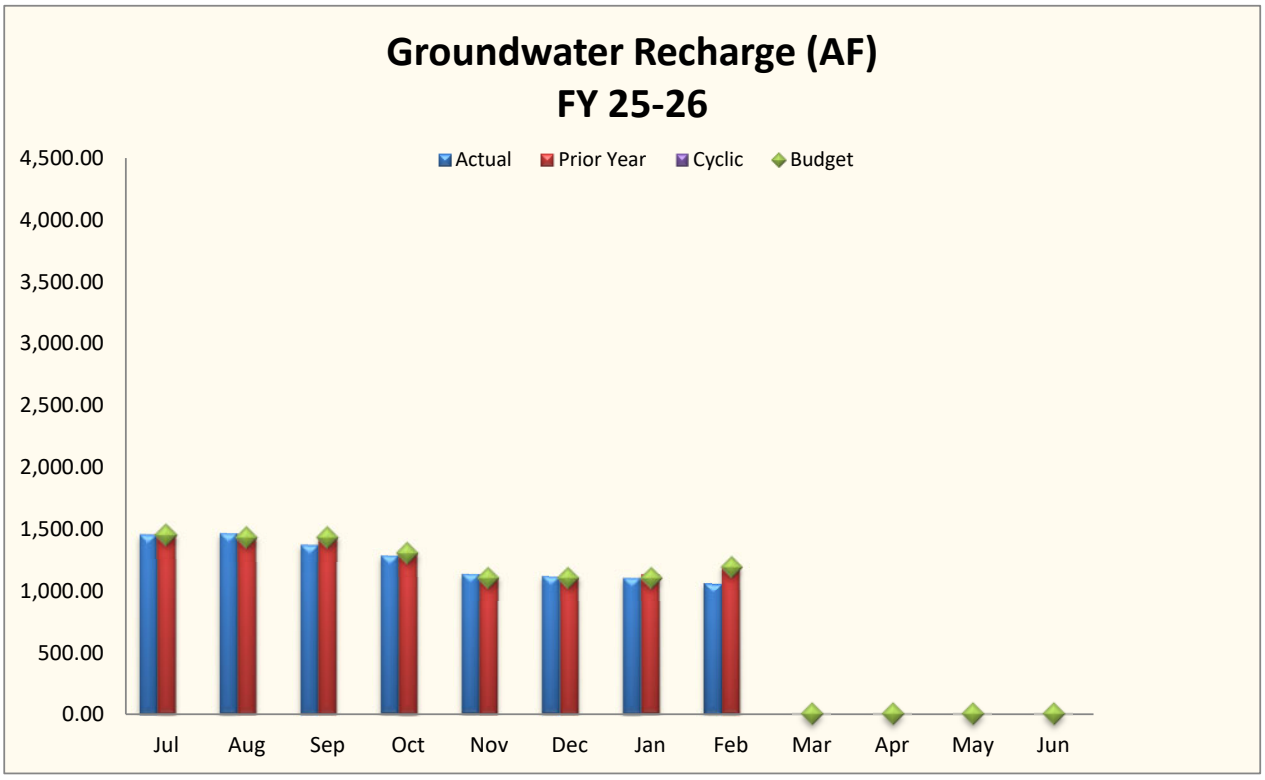

Treated Import Production (AF)
Rancho FY 25-26
Actual
Prior Year
Budget
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
0.00
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May
Jun


Reclaim Production (AF)
Rancho FY 25-26
Actual
Prior Year
Budget
1,000.00
900.00
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
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May
Jun


Groundwater Production (AF)
Santa Rosa FY 25-26
Actual
Prior Year
Budget
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4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
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Jun


Treated Import Production (AF)
Santa Rosa FY 25-26
Actual
Prior Year
Budget
4,500.00
4,000.00
3,500.00
3,000.00
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2,000.00
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1,000.00
500.00
0.00
Jul
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May
Jun


Reclaim Production (AF)
Santa Rosa FY 25-26
Actual
Prior Year
Budget
300.00
250.00
200.00
150.00
100.00
50.00
0.00
Jul
Aug
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Nov
Dec
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Mar
Apr
May
Jun


Groundwater Recharge (AF)
FY 25-26
Actual
Prior Year
Cyclic
Budget
4,500.00
4,000.00
3,500.00
3,000.00
2,500.00
2,000.00
1,500.00
1,000.00
500.00
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# FY 2025/2026
# Groundwater Production Wells Report

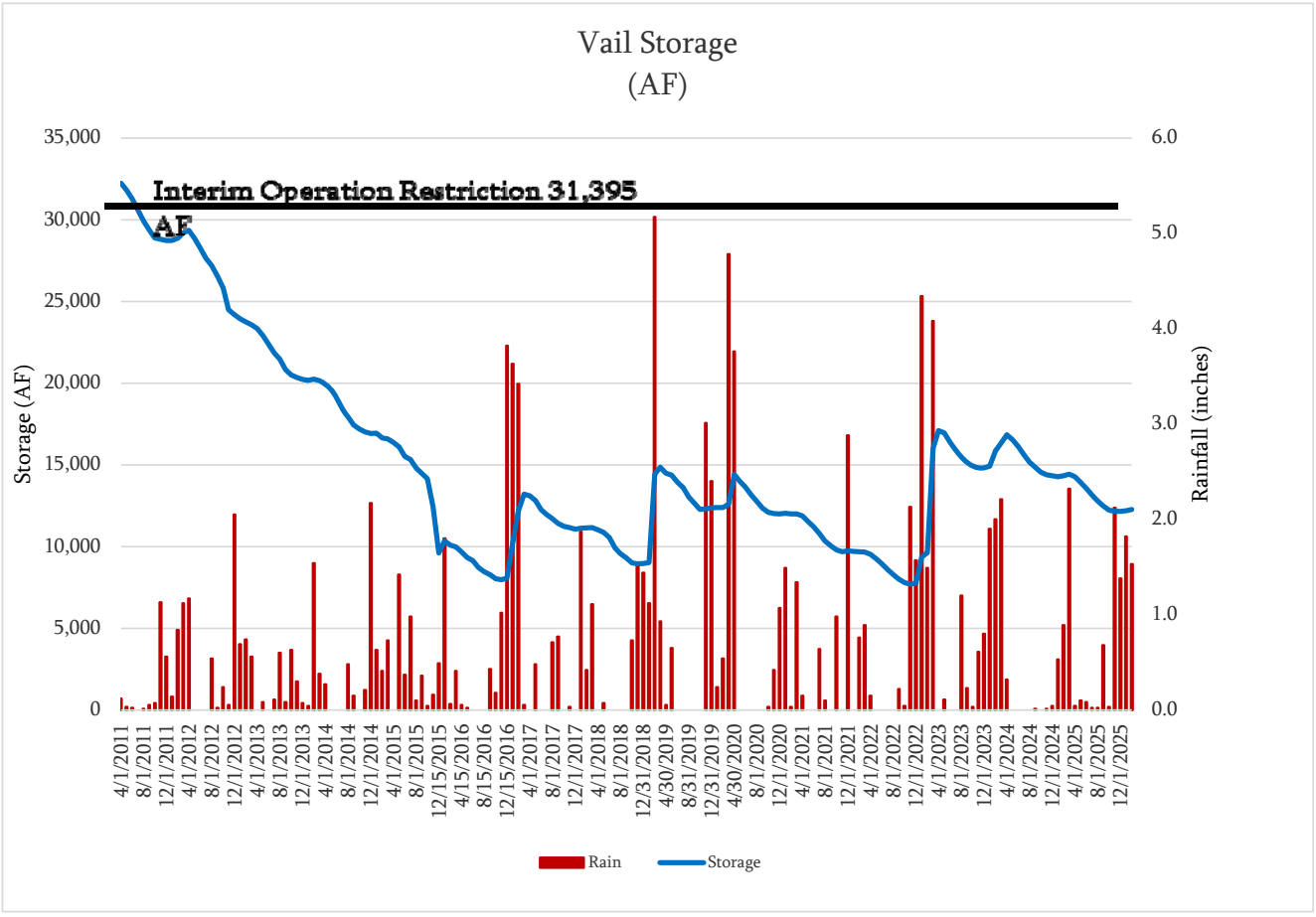
## Budgeted Production Wells Out of Service

| Well | Out of Service | Estimated Return to Service | Reason |
|---|---|---|---|
| 139 | Jul-25 | Mar-26 | Rehab |
| 235 | Jul-25 | TBD | Arsenic |
| 237 | Dec-25 | TBD | Arsenic |

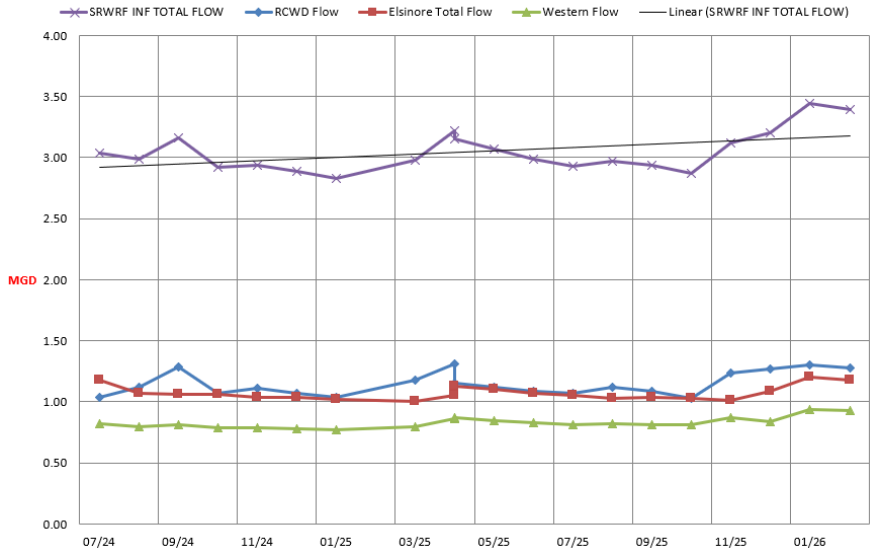
## Non-Budgeted Production Wells Out of Service

| Well | Out of Service | Estimated Return to Service | Reason | Potential Production AFY |
|---|---|---|---|---|
| 102 | 23-Apr | 2027 | PFAS | 1000 |
| 119 | 23-Oct | TBD | PFAS | |
| 122 | 23-May | TBD | PFAS | 525 |
| 211 | 23-May | TBD | PFAS | |

Rancho California Water District
42135 Winchester Road, Temecula, CA 92590
951.296.6900 | RanchoWater.com

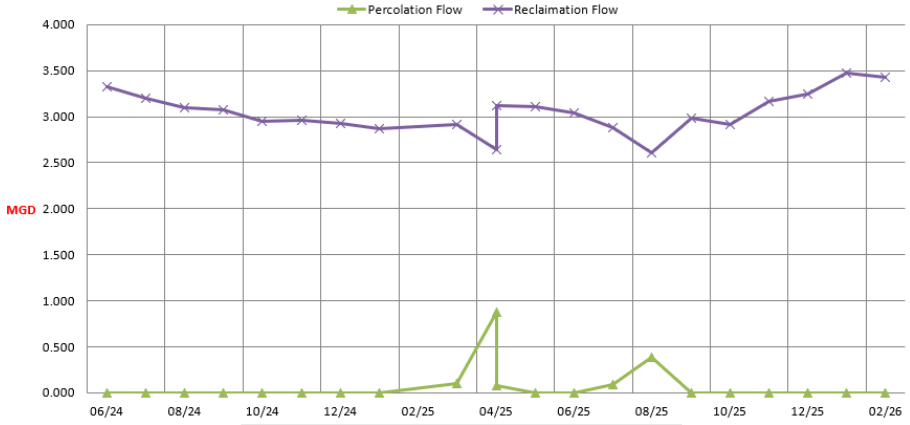

Vail Storage
(AF)
Interim Operation Restriction 31,395
AF
Storage (AF)
Rainfall (inches)
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
4/1/2011
8/1/2011
12/1/2011
4/1/2012
8/1/2012
12/1/2012
4/1/2013
8/1/2013
12/1/2013
4/1/2014
8/1/2014
12/1/2014
4/1/2015
8/1/2015
12/15/2015
4/15/2016
8/15/2016
12/15/2016
4/1/2017
8/1/2017
12/1/2017
4/1/2018
8/1/2018
12/31/2018
4/30/2019
8/31/2019
12/31/2019
4/30/2020
8/1/2020
12/1/2020
4/1/2021
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4/1/2022
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8/1/2023
12/1/2023
4/1/2024
8/1/2024
12/1/2024
4/1/2025
8/1/2025
12/1/2025
Rain
Storage

## Santa Rosa Water Reclamation Facility Influent Flows



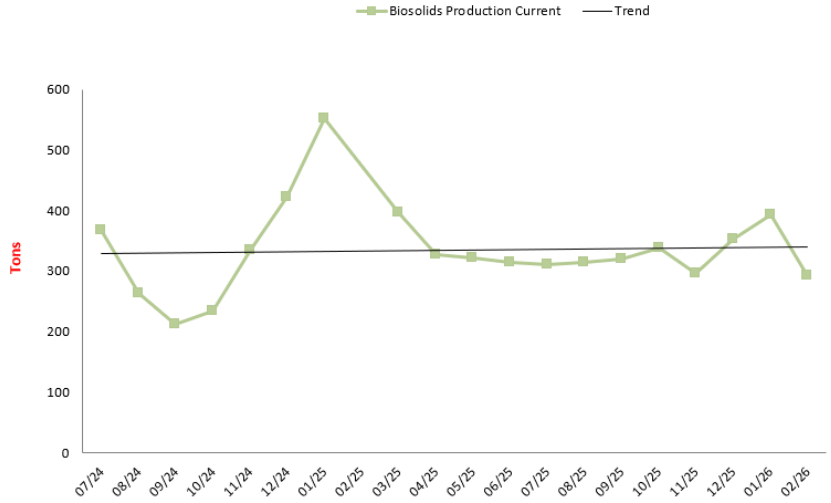

| | Monthly Average | YTD Average | Monthly % | YTD % |
|---|---|---|---|---|
| SRWRF Total Flow | 3.39 | 3.11 | | |
| RCWD FLOW | 1.28 | 1.17 | 0.38 | 38% |
| Elsinore Flow | 1.18 | 1.08 | 0.35 | 35% |
| Western Flow | 0.93 | 0.85 | 0.27 | 27% |

## Santa Rosa Water Reclamation Facility Effluent Flows




| | Monthly Average | YTD Average | Monthly % | YTD % |
|---|---|---|---|---|
| Reclaimed Flow | 3.43 | 3.05 | | |
| Percolation Flow | 0.000 | 0.120 | | |

## Biosolids Production




| | Monthly Total | YTD Average | Monthly % | YTD % |
|---|---|---|---|---|
| Bioslids Hauling | 292 | 325.25 | | |

# WATER SALES

FOR MONTH ENDING FEBRUARY 28, 2026

| | RANCHO | SANTA ROSA | TOTAL |
|---|---|---|---|
| AGRICULTURAL (AF) | 42.27 | 471.24 | 513.51 |
| AG-DOMESTIC (AF) | 90.76 | 213.30 | 304.06 |
| DOMESTIC (AF) | 955.43 | 219.91 | 1,175.34 |
| COMMERCIAL (AF) | 167.49 | 36.54 | 204.02 |
| LANDSCAPE (AF) | 104.24 | 21.96 | 126.20 |
| MULTI DWELLING (AF) | 153.90 | 20.93 | 174.84 |
| RECLAIMED (AF) | 43.16 | 42.13 | 85.29 |
| OTHER (AF) | 42.81 | 21.66 | 64.47 |
| ACCRUAL (AF) | 0.00 | 0.00 | 0.00 |
| TOTAL (AF) | 1,600.06 | 1,047.67 | 2,647.73 |
| AGRICULTURAL($) | $ 30,751.20 | $ 554,229.00 | $ 584,980.20 |
| AG-DOMESTIC ($) | $ 66,013.01 | $ 250,870.28 | 316,883.29 |
| DOMESTIC ($) | $ 738,285.14 | $ 283,433.38 | 1,021,718.52 |
| COMMERCIAL ($) | $ 108,401.19 | $ 43,648.80 | 152,049.99 |
| LANDSCAPE ($) | $ 86,186.33 | $ 30,705.27 | 116,891.60 |
| MULTI DWELLING ($) | $ 122,133.40 | $ 27,550.76 | 149,684.16 |
| RECLAIMED WATER ($) | $ 17,749.95 | $ 22,029.81 | 39,779.76 |
| OTHER ($) | $ 39,729.19 | $ 27,677.01 | 67,406.20 |
| NET ACCRUALS ($) | 0.00 | 0.00 | 0.00 |
| WATER SALES RECLASSED ($) | 0.00 | 0.00 | 0.00 |
| TOTAL WATER SALES | $ 1,209,249.41 | $ 1,240,144.31 | $ 2,449,393.72 |
| CAPACITY CHARGE | $ 1,327,676.19 | $ 872,044.59 | $ 2,199,720.78 |
| ENERGY CHARGE | 100,930.88 | 145,782.28 | 246,713.16 |
| FIRE SERVICE CHARGE | 45,357.39 | 15,357.58 | 60,714.97 |
| TOTAL WATER REVENUE | $ 2,683,213.87 | $ 2,273,328.76 | $ 4,956,542.63 |

*REPRESENTS ACTUAL METER READING DURING THE CURRENT PERIOD
USAGE DOES NOT REFLECT ANY ACCRUALS FOR TIMING DIFFERENCES

REVISED 3/6/2026

**WATER SALES**

FOR MONTH ENDING FEBRUARY 28, 2026

| | CURRENT MO PFY24-25 | CURRENT MO FY25-26 | 24/25 FYTD | 25/26 FYTD |
|---|---|---|---|---|
| AGRICULTURAL (AF) | 366.73 | 513.51 | 8,890.68 | 6,194.91 |
| AG-DOMESTIC (AF) | 233.98 | 304.06 | 3,885.98 | 3,800.79 |
| DOMESTIC (AF) | 1,355.83 | 1,175.34 | 15,767.28 | 14,234.56 |
| COMMERCIAL (AF) | 222.42 | 204.02 | 2,141.63 | 2,071.97 |
| LANDSCAPE (AF) | 205.05 | 126.20 | 3,305.82 | 2,719.02 |
| MULTI DWELLING (AF) | 186.92 | 174.84 | 1,512.97 | 1,604.47 |
| RECLAIMED (AF) | 191.47 | 85.29 | 3,290.63 | 2,839.02 |
| OTHER (AF) | 61.67 | 64.47 | 861.36 | 702.95 |
| NET ACCRUAL (AF) | (655.58) | 0.00 | (2,425.99) | (1,624.35) |
| TOTAL (AF) | 2,168.49 | 2,647.73 | 37,230.34 | 32,543.32 |
| AGRICULTURAL ($) | $ 354,708.39 | $ 584,980.20 | $ 8,633,560.80 | $ 6,314,041.57 |
| AG-DOMESTIC ($) | 216,035.90 | 316,883.29 | 3,761,215.90 | 3,721,792.08 |
| DOMESTIC ($) | 1,202,586.03 | 1,021,718.52 | 14,126,004.93 | 12,627,855.31 |
| COMMERCIAL ($) | 160,952.46 | 152,049.99 | 1,808,806.23 | 1,802,955.71 |
| LANDSCAPE ($) | 217,438.45 | 116,891.60 | 3,293,079.30 | 2,486,229.54 |
| MULTI DWELLING ($) | 163,057.63 | 149,684.16 | 1,253,100.28 | 1,388,898.16 |
| RECLAIMED ($) | 92,761.54 | 39,779.76 | 1,478,843.77 | 1,311,078.12 |
| OTHER ($) | 68,409.37 | 67,406.20 | 963,810.71 | 826,467.46 |
| NET ACCRUALS | (699,325.77) | - | (3,597,680.92) | (2,229,447.83) |
| WATER SALES RECLASSED | - | - | - | - |
| TOTAL WATER SALES | $ 1,776,624.00 | $ 2,449,393.72 | $ 31,720,741.00 | $ 28,249,870.12 |
| CAPACITY CHARGE | $ 2,057,807.32 | $ 2,199,720.78 | $ 15,491,349.93 | $ 16,167,741.51 |
| ENERGY CHARGE | 213,237.31 | 246,713.16 | 3,206,808.45 | 2,856,105.85 |
| FIRE SERVICE CHARGE | 60,699.31 | 60,714.97 | 462,867.20 | 472,614.25 |
| TOTAL WATER REVENUE | $ 4,108,367.94 | $ 4,956,542.63 | $ 50,881,766.58 | $ 47,746,331.73 |

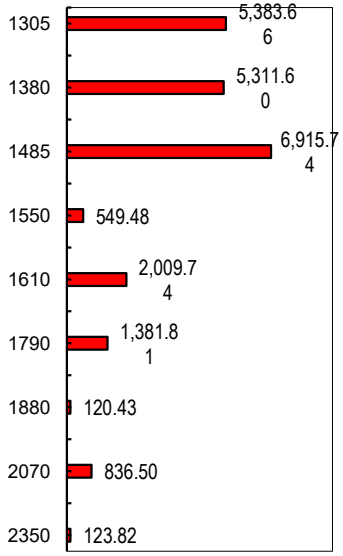
REVISED 3/6/2026

**WATER USAGE BY PRESSURE ZONE**
IN ACRE FEET (AF)
FOR MONTH ENDING FEBRUARY 28, 2026

RANCHO DIVISION
YTD WATER SALES IN AF

**RANCHO DIVISION**

| ***ZONE*** | ***CURRENT MO.*** | ***YTD 2025/26*** |
|---|---|---|
| 9991 (MEMO ONLY) | 23.09 | 100.28 |
| 2350 | 10.36 | 123.82 |
| 2070 | 61.83 | 836.50 |
| 1880 | 9.67 | 120.43 |
| 1790 | 76.28 | 1,381.81 |
| 1610 | 116.00 | 2,009.74 |
| 1550 | 48.85 | 549.48 |
| 1485 | 480.58 | 6,915.74 |
| 1380 | 400.70 | 5,311.60 |
| 1305 | 395.81 | 5,383.66 |
| ***TOTAL (AF)*** | **1,600.06** | **22,632.78** |

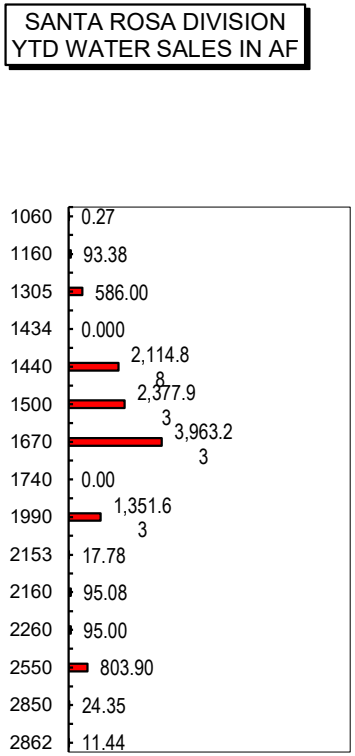



REVISED 3/6/2026

**WATER USAGE BY PRESSURE ZONE**
(IN ACRE FEET)
FOR MONTH ENDING FEBRUARY 28, 2026

**SANTA ROSA DIVISION**

| ***ZONE*** | ***CURRENT MO.*** | ***YTD 2025/26*** |
|---|---|---|
| 9992 (MEMO ONLY) | 13.16 | 72.41 |
| 2862 | 0.89 | 11.44 |
| 2850 | 1.85 | 24.35 |
| 2550 | 67.54 | 803.90 |
| 2260 | 7.98 | 95.00 |
| 2160 | 8.01 | 95.08 |
| 2153 | 1.64 | 17.78 |
| 1990 | 126.39 | 1,351.63 |
| 1740 | 0.00 | 0.00 |
| 1670 | 373.94 | 3,963.23 |
| 1500 | 201.91 | 2,377.93 |
| 1440 | 196.14 | 2,114.88 |
| 1434 | 0.000 | 0.000 |
| 1305 | 53.50 | 586.00 |
| 1160 | 7.87 | 93.38 |
| 1060 | 0.03 | 0.27 |
| ***TOTAL (AF)*** | **1,047.67** | **11,534.88** |




REVISED 3/6/2026

RANCHO CALIFORNIA WATER DISTRICT
**WATER SALES ACTIVITY SUMMARY**
FISCAL YEAR 2025-2026
PERIOD ENDING: February 28, 2026

| | | JULY 2025 | AUG 2025 | SEPT 2025 | OCT 2025 | NOV 2025 | DEC 2025 | JAN 2026 | FEB 2026 | MAR 2026 | APR 2026 | MAY 2026 | JUNE 2026 | YTD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *No#. Services* | | | | | | | | | | | | | | |
| **Rancho Division** | | | | | | | | | | | | | | |
| Agriculture | | 141 | 141 | 141 | 141 | 141 | 140 | 140 | 140 | | | | | |
| Agriculture/Domestic | | 393 | 393 | 394 | 394 | 395 | 395 | 395 | 395 | | | | | |
| Domestic | | 32,729 | 32,732 | 32,732 | 32,733 | 32,732 | 32,738 | 32,740 | 32,740 | | | | | |
| Commercial | | 1,271 | 1,271 | 1,272 | 1,273 | 1,273 | 1,273 | 1,273 | 1,273 | | | | | |
| Landscape | | 1,160 | 1,160 | 1,161 | 1,162 | 1,162 | 1,162 | 1,162 | 1,162 | | | | | |
| Multi Dwellings | | 238 | 238 | 236 | 236 | 236 | 240 | 240 | 240 | | | | | |
| Reclaimed | | 199 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | | | | | |
| Other | PY END | 1,060 | 1,055 | 1,059 | 1,062 | 1,060 | 1,066 | 1,062 | 1,068 | | | | | |
| Total Rancho Divisio | 37,185 | 37,191 | 37,191 | 37,196 | 37,202 | 37,200 | 37,215 | 37,213 | 37,219 | - | - | - | - | |
| **Santa Rosa Division** | | | | | | | | | | | | | | |
| Agriculture | | 495 | 495 | 497 | 497 | 497 | 497 | 496 | 496 | | | | | |
| Agriculture/Domestic | | 477 | 477 | 477 | 478 | 478 | 478 | 480 | 480 | | | | | |
| Domestic | | 6,349 | 6,352 | 6,352 | 6,353 | 6,353 | 6,353 | 6,353 | 6,354 | | | | | |
| Commercial | | 465 | 465 | 465 | 465 | 465 | 468 | 468 | 468 | | | | | |
| Landscape | | 307 | 307 | 306 | 306 | 306 | 307 | 307 | 307 | | | | | |
| Multi Dwellings | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | |
| Reclaimed | | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 109 | | | | | |
| Other | PY END | 356 | 361 | 360 | 362 | 359 | 359 | 358 | 355 | | | | | |
| Total Santa Rosa | 8,558 | 8,568 | 8,576 | 8,576 | 8,580 | 8,577 | 8,581 | 8,581 | 8,579 | - | - | - | - | |
| Total Divisions Combined | | 45,759 | 45,767 | 45,772 | 45,782 | 45,777 | 45,796 | 45,794 | 45,798 | - | - | - | - | |
| *Capacity Charge* | | | | | | | | | | | | | | |
| **Rancho Division** | | | | | | | | | | | | | | |
| Agriculture | | 23,446 | 23,446 | 25,009 | 24,227 | 24,251 | 22,937 | 23,060 | 25,042 | | | | | 191,418 |
| Agriculture/Domestic | | 28,144 | 28,142 | 30,112 | 29,184 | 29,241 | 27,317 | 29,832 | 32,374 | | | | | 234,345 |
| Domestic | | 889,923 | 883,501 | 924,469 | 921,587 | 912,094 | 868,606 | 905,965 | 996,598 | | | | | 7,302,742 |
| Commercial | | 99,644 | 98,029 | 100,989 | 103,103 | 101,485 | 98,305 | 97,895 | 108,835 | | | | | 808,285 |
| Landscape | | 79,463 | 78,751 | 82,644 | 82,237 | 81,526 | 77,885 | 81,421 | 89,448 | | | | | 653,375 |
| Multi Dwellings | | 3,738 | 3,707 | 3,878 | 3,834 | 3,806 | 3,624 | 3,761 | 4,138 | | | | | 30,487 |
| Reclaimed | | 8,066 | 7,811 | 7,884 | 8,414 | 8,191 | 8,164 | 7,714 | 11,383 | | | | | 67,628 |
| Other | | 53,677 | 54,027 | 53,483 | 54,620 | 55,221 | 53,020 | 52,954 | 59,858 | | | | | 436,860 |
| Total Rancho Division | | 1,186,101 | 1,177,413 | 1,228,467 | 1,227,207 | 1,215,814 | 1,159,858 | 1,202,604 | 1,327,676 | - | - | - | - | 9,725,139 |
| **Santa Rosa Division** | | | | | | | | | | | | | | |
| Agriculture | | 132,958 | 132,688 | 141,331 | 136,652 | 136,647 | 127,814 | 143,372 | 154,513 | | | | | 1,105,977 |
| Agriculture/Domestic | | 79,350 | 79,261 | 84,801 | 82,370 | 82,243 | 76,875 | 86,765 | 93,676 | | | | | 665,341 |
| Domestic | | 398,466 | 398,235 | 427,024 | 413,035 | 413,108 | 386,257 | 433,311 | 466,393 | | | | | 3,335,828 |
| Commercial | | 56,599 | 56,599 | 61,106 | 58,578 | 58,559 | 54,781 | 61,582 | 66,636 | | | | | 474,441 |
| Landscape | | 38,881 | 39,035 | 41,604 | 40,310 | 40,321 | 37,695 | 42,074 | 45,491 | | | | | 325,412 |
| Multi Dwellings | | 29,887 | 29,887 | 31,879 | 30,883 | 30,883 | 28,891 | 31,235 | 457 | | | | | 214,001 |
| Reclaimed | | 2,832 | 2,816 | 3,015 | 2,932 | 2,922 | 2,739 | 3,804 | 4,774 | | | | | 25,834 |
| Other | | 34,446 | 34,735 | 39,578 | 37,678 | 37,767 | 34,084 | 37,377 | 40,104 | | | | | 295,769 |
| Total Santa Rosa Division | | 773,418 | 773,256 | 830,338 | 802,438 | 802,450 | 749,138 | 839,520 | 872,045 | - | - | - | - | 6,442,602 |
| Total Divisions Combined | | 1,959,519 | 1,950,669 | 2,058,805 | 2,029,645 | 2,018,264 | 1,908,996 | 2,042,124 | 2,199,721 | - | - | - | - | 16,167,742 |

RANCHO CALIFORNIA WATER DISTRICT
**WATER SALES ACTIVITY SUMMARY**
FISCAL YEAR 2025-2026
PERIOD ENDING: February 28, 2026

| | JULY 2025 | AUG 2025 | SEPT 2025 | OCT 2025 | NOV 2025 | DEC 2025 | JAN 2026 | FEB 2026 | MAR 2026 | APR 2026 | MAY 2026 | JUNE 2026 | YTD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Water Sold ($)* | | | | | | | | | | | | | |
| **Rancho Division** | | | | | | | | | | | | | |
| Agriculture | 162,563 | 178,264 | 186,222 | 136,753 | 92,332 | 32,674 | 19,904 | 30,751 | | | | | 839,463 |
| Agriculture/Domestic | 178,930 | 221,364 | 236,452 | 199,943 | 167,178 | 86,933 | 48,964 | 66,013 | | | | | 1,205,778 |
| Domestic | 1,349,290 | 1,552,199 | 1,707,696 | 1,530,378 | 1,213,625 | 784,910 | 691,812 | 738,285 | | | | | 9,568,196 |
| Commercial | 167,337 | 180,327 | 200,998 | 228,090 | 199,675 | 180,241 | 137,546 | 108,401 | | | | | 1,402,615 |
| Landscape | 292,641 | 360,344 | 388,635 | 361,110 | 228,432 | 111,264 | 86,772 | 86,186 | | | | | 1,915,384 |
| Multi Dwellings | 154,389 | 160,352 | 175,612 | 166,624 | 145,434 | 119,507 | 113,674 | 122,133 | | | | | 1,157,725 |
| Reclaimed | 156,318 | 193,711 | 204,301 | 184,822 | 116,446 | 67,810 | 38,904 | 17,750 | | | | | 980,062 |
| Other | 62,030 | 88,959 | 87,496 | 68,576 | 61,936 | 44,720 | 37,678 | 39,729 | | | | | 491,125 |
| Total Rancho Division | 2,523,498 | 2,935,522 | 3,187,413 | 2,876,296 | 2,225,058 | 1,428,060 | 1,175,254 | 1,209,249 | - | - | - | - | 17,560,349 |
| **Santa Rosa Division** | | | | | | | | | | | | | |
| Agriculture | 937,793 | 999,547 | 1,086,414 | 743,681 | 673,108 | 307,520 | 172,286 | 554,229 | | | | | 5,474,578 |
| Agriculture/Domestic | 413,683 | 437,535 | 489,171 | 349,530 | 322,906 | 154,460 | 97,858 | 250,870 | | | | | 2,516,014 |
| Domestic | 489,055 | 520,765 | 574,278 | 432,267 | 363,245 | 220,633 | 175,983 | 283,433 | | | | | 3,059,659 |
| Commercial | 53,136 | 56,815 | 62,361 | 56,989 | 53,027 | 41,138 | 33,226 | 43,649 | | | | | 400,341 |
| Landscape | 103,150 | 119,397 | 121,321 | 101,825 | 60,027 | 22,375 | 12,045 | 30,705 | | | | | 570,845 |
| Multi Dwellings | 26,117 | 25,785 | 28,987 | 30,149 | 28,492 | 30,723 | 33,370 | 27,551 | | | | | 231,173 |
| Reclaimed | 59,530 | 72,634 | 67,276 | 39,366 | 40,937 | 15,458 | 13,785 | 22,030 | | | | | 331,016 |
| Other | 69,896 | 70,153 | 62,018 | 35,036 | 46,941 | 15,620 | 8,002 | 27,677 | | | | | 335,343 |
| Total Santa Rosa Division | 2,152,360 | 2,302,631 | 2,491,826 | 1,788,844 | 1,588,682 | 807,926 | 546,554 | 1,240,144 | - | - | - | - | 12,918,969 |
| Total Divisions Combined | 4,675,858 | 5,238,153 | 5,679,239 | 4,665,140 | 3,813,740 | 2,235,986 | 1,721,808 | 2,449,394 | - | - | - | - | 30,479,318 |
| *Energy Charge* | | | | | | | | | | | | | |
| **Rancho Division** | | | | | | | | | | | | | |
| Agriculture | 30,329 | 33,444 | 33,457 | 23,663 | 15,164 | 4,862 | 3,477 | 5,638 | | | | | 150,034 |
| Agriculture/Domestic | 40,470 | 45,275 | 46,522 | 34,498 | 25,277 | 11,874 | 10,695 | 14,823 | | | | | 229,433 |
| Domestic | 114,164 | 123,445 | 133,236 | 111,915 | 91,999 | 59,505 | 56,505 | 67,182 | | | | | 757,951 |
| Commercial | 2,311 | 2,462 | 2,780 | 2,458 | 2,205 | 1,611 | 1,630 | 1,901 | | | | | 17,357 |
| Landscape | 17,989 | 19,934 | 21,560 | 17,109 | 11,056 | 5,013 | 4,224 | 5,552 | | | | | 102,438 |
| Multi Dwellings | 2,285 | 2,336 | 2,544 | 2,393 | 2,195 | 1,774 | 1,781 | 2,020 | | | | | 17,328 |
| Reclaimed | 10,900 | 13,525 | 13,640 | 12,358 | 7,654 | 4,307 | 2,817 | 1,155 | | | | | 66,356 |
| Other | 5,044 | 5,867 | 6,002 | 5,137 | 4,529 | 2,514 | 2,718 | 2,660 | | | | | 34,470 |
| Total Rancho Division | 223,492 | 246,287 | 259,741 | 209,531 | 160,079 | 91,459 | 83,847 | 100,931 | - | - | - | - | 1,375,367 |
| **Santa Rosa Division** | | | | | | | | | | | | | |
| Agriculture | 103,649 | 111,428 | 119,533 | 80,441 | 71,621 | 33,401 | 19,394 | 62,632 | | | | | 602,098 |
| Agriculture/Domestic | 56,949 | 60,047 | 65,664 | 46,437 | 41,761 | 20,065 | 14,345 | 33,845 | | | | | 339,113 |
| Domestic | 71,722 | 74,252 | 81,688 | 59,927 | 51,600 | 31,116 | 26,345 | 41,933 | | | | | 438,582 |
| Commercial | 1,275 | 1,343 | 1,523 | 1,174 | 1,127 | 929 | 872 | 1,157 | | | | | 9,400 |
| Landscape | 5,126 | 5,676 | 5,668 | 4,375 | 2,744 | 797 | 615 | 1,578 | | | | | 26,579 |
| Multi Dwellings | 1,543 | 1,527 | 1,670 | 1,547 | 1,448 | 1,452 | 1,568 | 1,550 | | | | | 12,306 |
| Reclaimed | 5,573 | 6,697 | 5,902 | 3,101 | 3,546 | 815 | 609 | 1,435 | | | | | 27,678 |
| Other | 6,034 | 5,066 | 5,230 | 2,298 | 3,185 | 1,168 | 348 | 1,652 | | | | | 24,982 |
| Total Santa Rosa Division | 251,871 | 266,035 | 286,879 | 199,300 | 177,031 | 89,744 | 64,097 | 145,782 | - | - | - | - | 1,480,739 |
| Total Divisions Combined | 475,363 | 512,321 | 546,621 | 408,831 | 337,110 | 181,203 | 147,944 | 246,713 | - | - | - | - | 2,856,106 |

RANCHO CALIFORNIA WATER DISTRICT
**WATER SALES ACTIVITY SUMMARY**
FISCAL YEAR 2025-2026
PERIOD ENDING: February 28, 2026

| | JULY 2025 | AUG 2025 | SEPT 2025 | OCT 2025 | NOV 2025 | DEC 2025 | JAN 2026 | FEB 2026 | MAR 2026 | APR 2026 | MAY 2026 | JUNE 2026 | YTD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Fire Service* | | | | | | | | | | | | | |
| Rancho | 44,059 | 43,316 | 44,578 | 45,546 | 44,840 | 43,628 | 43,197 | 45,357 | | | | | 354,521 |
| Santa Rosa | 14,377 | 14,377 | 15,456 | 14,872 | 14,869 | 13,935 | 14,850 | 15,358 | | | | | 118,093 |
| Total: | 58,437 | 57,692 | 60,034 | 60,418 | 59,709 | 57,563 | 58,046 | 60,715 | - | - | - | - | 472,614 |
| *Water Sold (AF)* | | | | | | | | | | | | | |
| **Rancho Division** | | | | | | | | | | | | | |
| Agriculture | 250 | 274 | 278 | 197 | 123 | 39 | 29 | 42 | | | | | 1,231 |
| Ag/Domestic | 274 | 308 | 316 | 235 | 175 | 80 | 72 | 91 | | | | | 1,551 |
| Domestic | 1,735 | 1,901 | 2,049 | 1,785 | 1,457 | 1,000 | 924 | 955 | | | | | 11,807 |
| Commercial | 229 | 242 | 256 | 272 | 221 | 182 | 168 | 167 | | | | | 1,739 |
| Landscape | 390 | 443 | 475 | 395 | 256 | 128 | 102 | 104 | | | | | 2,292 |
| Multi Dwellings | 187 | 194 | 209 | 197 | 177 | 152 | 150 | 154 | | | | | 1,419 |
| Reclaimed | 353 | 433 | 449 | 399 | 255 | 152 | 85 | 43 | | | | | 2,170 |
| Other | 53 | 71 | 75 | 59 | 55 | 35 | 31 | 43 | | | | | 423 |
| Total Rancho Division | 3,472 | 3,866 | 4,107 | 3,538 | 2,718 | 1,770 | 1,561 | 1,600 | - | - | - | - | 22,633 |
| **Santa Rosa Division** | | | | | | | | | | | | | |
| Agriculture | 866 | 922 | 1,001 | 672 | 602 | 270 | 159 | 471 | | | | | 4,963 |
| Ag/Domestic | 380 | 399 | 443 | 311 | 280 | 133 | 91 | 213 | | | | | 2,250 |
| Domestic | 395 | 410 | 441 | 334 | 286 | 182 | 159 | 220 | | | | | 2,428 |
| Commercial | 47 | 50 | 52 | 45 | 41 | 32 | 30 | 37 | | | | | 333 |
| Landscape | 82 | 91 | 92 | 72 | 43 | 15 | 10 | 22 | | | | | 427 |
| Multi Dwellings | 24 | 23 | 26 | 24 | 22 | 22 | 24 | 21 | | | | | 186 |
| Reclaimed | 121 | 147 | 136 | 80 | 83 | 31 | 28 | 42 | | | | | 669 |
| Other | 60 | 57 | 52 | 28 | 39 | 13 | 7 | 22 | | | | | 280 |
| Total Santa Rosa Division | 1,975 | 2,099 | 2,243 | 1,565 | 1,397 | 699 | 508 | 1,048 | - | - | - | - | 11,535 |
| Total Divisions Combined | 5,447 | 5,965 | 6,350 | 5,104 | 4,115 | 2,469 | 2,070 | 2,648 | - | - | - | - | 34,167 |
| *No. of Sewer Accts* | | | | | | | | | | | | | |
| Santa Rosa | 4,878 | 4,878 | 4,878 | 4,878 | 4,878 | 4,878 | 4,878 | 4,878 | | | | | |
| Elsinore Valley (EDU) | 6,129 | 6,129 | 6,129 | 6,129 | 6,129 | 6,129 | 6,129 | 6,129 | | | | | |
| Eastern Municipal (Rancho) | 30,965 | 30,966 | 30,966 | 30,967 | 30,967 | 30,977 | 30,977 | 30,978 | | | | | |
| *Sewer Charge* | | | | | | | | | | | | | |
| Santa Rosa | 392,091 | 391,712 | 420,715 | 405,719 | 405,657 | 379,552 | 412,362 | 431,089 | | | | | |
| Eastern Municipal WD | 2,039,146 | 2,020,599 | 2,109,707 | 2,108,116 | 2,087,158 | 1,994,690 | 2,051,225 | 2,211,790 | | | | | |

Rancho Water

COMMITTEE INFORMATION

# ENGINEERING AND OPERATIONS COMMITTEE

March 26, 2026

**ITEM 2.E:** **Update on Rancho California Water District's Revised Vehicle Fleet Replacement Program and Proposed Capital Acquisition Budget for Fiscal Year 2026/2027**

**RESPONSIBLE/LEAD STAFF MEMBER(S):**

Justin Weeks, Field Services Manager
Dan Ruiz, Assistant General Manager, Engineering and Operations

**RECOMMENDATIONS:**

The subject update is being presented for the Engineering and Operations Committee's information.

**DISCUSSION:**

The update on Rancho California Water District's (Rancho Water/District) proposed Fiscal Year 2026/2027 Fleet Capital Acquisition budget has been updated to $1.45 million compared to the $3.15 million budget provided to the Engineering and Operations Committee at the January 29, 2026, meeting. The proposed Fiscal Year 2026/2027 Capital Acquisition Budget for fleet replacement has been reduced by $1.7 million. The revised total proposed Capital Acquisition Budget is $2,255.000.

As previously discussed, the primary regulatory drivers influencing fleet planning are the California Air Resources Control Board (CARB) Advanced Clean Fleet (ACF) regulation and the South Coast Air Quality Management District (SCAQMD) Rule 1196. The ACF regulation was adopted in April 2023 and became effective on January 1, 2024. It applies to all medium- and heavy-duty vehicles with a Gross Vehicle Weight Rating (GVWR) of 8,500 pounds or greater. Under the current ACF regulation: From January 1, 2024, through December 31, 2026, any new medium- or heavy-duty internal combustion engine (ICE) vehicle purchase must be offset by the acquisition of a zero-emission vehicle (ZEV) at a 1:1 ratio. Beginning January 1, 2027, all new medium- and heavy-duty vehicle purchases must be ZEVs, unless a qualifying exemption applies.

Staff have been actively monitoring ACF regulations and assessing their impacts on the District's fleet. Based on recent discussions with CARB staff, it is highly likely that the requirement for purchasing 100% ZEVs beginning January 1, 2027, will be deferred by several years. As a result, staff has modified its vehicle replacement program based on this assumption. If there are no changes to the current regulations, which are expected later this year, staff would propose an updated strategy to the Committee.

Staff's proposed revised vehicle replacement program for the upcoming Fiscal Year includes the purchase of: Three (3) Chevrolet Silverado EVs, two (2) Western Star Diesel Dump Trucks, and one (1) Western Star Knuckle Boom Truck. The Silverado EVs will function as medium-duty ZEV offset vehicles, enabling Rancho Water to comply with the ACF 1:1 offset requirement for ICE vehicle purchases through December 31, 2026. The Heavy Duty (HD) truck purchases will enable the district to achieve full compliance with the South Coast Air Quality Management District's (SCAQMD) 1196 rule.

**ALTERNATIVES:**

The District could elect to move forward with the proposed fleet purchases in the amount of $3,150,000 as previously discussed at the January 29, 2026, Committee meeting.

**FISCAL ANALYSIS:**

The proposed Fleet Capital Acquisition Budget totals $1,450.000 for the purchase of six (6) vehicles, including $1,250,000 allocated for three (3) heavy-duty truck replacements. The revised total proposed FY 2026/2027 Capital Acquisition Budget is $2,255,00. This budget supports the acquisition of zero-emission and specialty fleet vehicles and positions the District to meet both near-term ACF offset obligations and long-term zero-emission mandates, while ensuring full compliance with SCAQMD Rule 1196 and maintaining operational readiness.

**ENVIRONMENTAL REQUIREMENTS:**

None

**EXHIBITS/ATTACHMENTS:**

1. FY 2026-2027 - Capital Acquisitions - Final.pdf

# 2026/2027 CAPITAL ACQUISITION BUDGET

| CATEGORY | JOB # | DEPT | DESCRIPTION | QTY | BUDGET $ |
|---|---|---|---|---|---|
| | | | **REPLACEMENT** | | |
| **VEHICLES** | | 512 | Silverardo EV | 3 | $225,000 |
| | | 512 | Knuckle Boom | 1 | 525,000 |
| | | 512 | Dump Truck Replacements | 2 | 700,000 |
| | | | | | |
| | | | | | $1,450,000 |
| | | | **NEW** | | |
| **VEHICLES / EQUIPMENT** | | 511 | 16' Dump Trailer, 16,000 GVWR | 1 | $20,000 |
| | | 511 | Forklift | 1 | $50,000 |
| | | 512 | Well jetter | 1 | $180,000 |
| | | | | | |
| | | | | | $250,000 |
| | | | **REPLACEMENT** | | |
| **CONSTRUCTION / FIELD / SHOP / TESTING EQUIP** | | 513 | Fab Shop replacement Equipment | 1 | $15,000 |
| | | 554 | Chemical Feed Pumps | 5 | 42,000 |
| | | 513 | Replacement shoring equipment | 1 | 20,000 |
| | | 512 | Porta Cooler - Mechanics Shop | 1 | 6,000 |
| | | 512 | Ceiling Fans - Mechanics Shop | 3 | 10,000 |
| | | 513 | Traffic plates CIP and Emergency leaks | 10 | 45,000 |
| | | | | | |
| | | | | | |
| | | | | | $138,000 |
| | | | **NEW** | | |
| **CONSTRUCTION / FIELD / SHOP / TESTING EQUIP** | | 513 | Locating Equipment | 1 | $15,000 |
| | | 512 | GPS unit | 3 | 36,000 |
| | | 554 | Reservoir Mixers | 2 | 100,000 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | $151,000 |
| | | | **REPLACEMENT** | | |
| **OFFICE EQUIP / COMPUTERS** | | 320 | PC/Laptop 20% replacement | 25 | $50,000 |
| | | 320 | Mobile computers - Customer Service Department | 6 | 15,000 |
| | | 320 | Rugged computers - Water Opearations Department | 4 | 25,000 |
| | | 320 | Engineering workstations | 2 | 16,000 |
| | | 320 | Replacement backup appliances | 2 | 150,000 |
| | | | | | |
| | | | | | $256,000 |
| | | | **NEW** | | |
| **OFFICE EQUIP / COMPUTERS** | | 320 | New employee computers | 3 | $10,000 |
| | | | | | |
| | | | | | |
| | | | | | $10,000 |
| | | | **T O T A L** | | **$2,255,000** |