



**NORTH MARIN WATER DISTRICT**  
**AGENDA - REGULAR MEETING**  
 March 4, 2025 – 4:00 p.m.  
 Location: 999 Rush Creek Place  
 Novato, California

Information about and copies of supporting materials on agenda items are available for public review at the District Office, at the Reception Desk, by calling the District Secretary at (415) 897-4133 or on our website at nmwd.com. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.

Item	Subject
	<b>CALL TO ORDER</b>
1.	<b>APPROVE MINUTES FROM REGULAR MEETING</b> , February 18, 2025
2.	<b>GENERAL MANAGER'S REPORT</b>
3.	<b>OPEN TIME: (Please observe a three-minute time limit)</b>  This section of the agenda is provided so that the public may express comments on any issues not listed on the agenda that are of interest to the public and within the jurisdiction of the North Marin Water District. When comments are made about matters not on the agenda, Board members can ask questions for clarification, respond to statements or questions from members of the public, refer a matter to staff, or direct staff to place a matter of business on a future agenda. The public may also express comments on agenda items at the time of Board consideration.
4.	<b>STAFF/DIRECTORS REPORTS</b>  <b>ACTION CALENDAR</b>
5.	<b>Approve:</b> Authorize Affirmative Vote for Sonoma Water FY 2025/2026 Water Transmission System Budget
6.	<b>Approve:</b> San Mateo Tank 24-Inch Transmission Main Project – Environmental Permit Compliance During Construction
	<b>INFORMATION ITEMS</b>
7.	Project Completion Presentation – Oceana Marin Treatment & Storage Pond Rehabilitation Project
8.	Oceana Marin and Sewer Services to Dillon Beach Properties Update
9.	<b>MISCELLANEOUS</b> Disbursements – Dated February 27, 2025 MOU to Advance A Water Diversion Agreement for a New Eel-Russian Facility NOAA Three-Month Outlook Precipitation Probability- February 20, 2025 NOAA Seasonal Drought Outlook – February 20, 2025  <u>News Articles:</u> Marin IJ – Lawn Replacements – UC MARIN MASTER GARDENERS Marin IJ – Reservoirs topped off – BOUNTIFUL RAIN Marin IJ – Water agency offers bigger regards for removing grass – MARIN DROUGHT DEFENSE
10.	<b>ADJOURNMENT</b>

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**DRAFT**  
**NORTH MARIN WATER DISTRICT**  
**MINUTES OF REGULAR MEETING**  
**OF THE BOARD OF DIRECTORS**  
February 18, 2025

**CALL TO ORDER**

President Joly called the regular meeting of the Board of Directors of North Marin Water District to order at 4:00 p.m. at the District Headquarters, and the agenda was accepted as presented. President Joly noted that it was nice to be in the new building. Present were Directors Jack Baker, Ken Eichstaedt, Rick Fraites, and Michael Joly. Director Stephen Petterle was absent. Also present were General Manager Tony Williams, District Secretary Eileen Mulliner, Auditor-Controller Julie Blue and AGM/Chief Engineer Eric Miller.

District employees Chris Kehoe, Construction Superintendent, Robert Clark, Operations and Maintenance Superintendent, Ryan Grisso, Water Conservation and Communications Manager, Lia Solar, Engineering Services Rep, Susan Dove, Senior Engineering Tech, Tim Fuelle, Senior Engineer, and Corey Reed, Senior Engineering Tech, were also in attendance.

Ben Horenstein, General Manager of Marin Water was also in attendance.

**PRESENTATION BY MARIN MUNICIPAL WATER DISTRICT ON WATER SUPPLY ROADMAP UPDATE**

Ben Horenstein, gave a presentation on Marin Water's water supply status. He said Marin Water (MW) has 7 reservoirs and showed a diagram that illustrated water supply network (Nicasio Reservoir, etc.). He gave a recap of water supply projects that have been evaluated, such as recycled water, desalination, and dams, and the costs involved in each. He said that each project was evaluation with a list of criteria and scored. He said that on February 25, their staff will bring a recommendation to their Board to move forward with specific projects and move on to the next phase of project development. He provided other updates including Marin Water's wildfire preparedness, ongoing efficiency efforts and continued collaboration with NMWD. He noted that MW is moving forward with contract laboratory services in lieu of in-house. Director Fraites asked, in relation to their lab, if every water district needs their own laboratory. Mr. Horenstein said that many water districts use regional labs and they are interested in partnering with other agencies such as NMWD as well as using commercial labs. He also said that MW appreciates the relationship and collaboration with NMWD in other areas. President Joly asked if MW is looking into raising the dam at Nicasio Reservoir. Mr. Horenstein said the proposed spillway gate would have to be approved by the Division of Safety of Dams but that Nicasio was built to anticipate a raised spillway without changing the dam itself. There was some more discussion with the Directors and Mr. Horenstein. The Board then thanked Mr. Horenstein for his presentation and Mr. Horenstein left the meeting.

1 **MINUTES**

2 Due to concerns with remote participation and the newer Brown Act requirements, the  
3 Minutes from the January 21, 2025 meeting were brought back to be voted on. On motion of  
4 Director Baker, seconded by Director Joly, the Board approved the minutes from the January 21,  
5 2025, meeting by the following vote:

6 AYES: Director(s) Baker, Eichstaedt, Fraites, and Joly

7 NOES: None

8 ABSENT: Director Petterle

9 ABSTAIN: None

10 **MINUTES**

11 On motion of Director Baker, seconded by Director Fraites, the Board approved the minutes  
12 from the February 4, 2025, meeting by the following vote:

13 AYES: Director(s) Baker, Eichstaedt, Fraites, and Joly

14 NOES: None

15 ABSENT: Director Petterle

16 ABSTAIN: None

17 **GENERAL MANAGER'S REPORT**

18 Tony Williams gave a brief Potter Valley Update. He said that the Eel-Russian Project  
19 Authority (ERPA) group signed a memorandum of understanding (MOU) the previous week with  
20 other parties which addresses critical items for a future diversion. He said the MOU states that  
21 PG&E's water rights will be transferred as part of the decommissioning and surrender to the Round  
22 Valley Indian Tribes (RVIT) since Native American tribes have ancestral water rights. He said that  
23 per the MOU, ERPA will pay the RVIT a \$1M annual fee for water diversions and a \$750,000 river  
24 restoration fee for the Eel River.

25 Mr. Williams said that he and Director Fraites attended the Marin Sonoma Water Managers  
26 meeting and the PG&E surrender application was discussed. He noted that Supervisor David  
27 Rabbitt and Supervisor Rodoni were in attendance

28 Mr. Williams said that he listened in on a Fire Safe Marin sponsored "LA Fires Lessons  
29 Learned" presentation earlier this month. He also mentioned that there is a Miscellaneous item  
30 regarding Chief Tyler's (Novato Fire) upcoming retirement.

31 Lastly, he said that we are hoping to get new photos of the Board Directors in March for the  
32 website and social media and that more information will be coming.

33 **OPEN TIME**

34 President Joly asked if anyone in the audience wished to bring up an item not on the agenda  
35 and there was no response.



**STAFF/DIRECTORS REPORTS**

President Joly asked if there were any staff or director's reports and there was no response.

**ACTION CALENDAR**

Due to concerns with remote participation and the newer Brown Act requirements, the action items from the January 21, 2025 meeting were brought back to be voted on again.

**APPROVE: APPROVAL OF SALARY, TERMS AND CONDITIONS OF EMPLOYMENT – GENERAL MANAGER**

On the motion of Director Fraites, and seconded by Director Baker, the Board approved the Salary, Terms and Conditions of Employment for the General Manager by the following vote:

AYES: Director(s) Baker, Eichstaedt, Fraites, and Joly

NOES: None

ABSENT: Director Petterle

ABSTAIN: None

**APPROVE: ON-CALL CONSTRUCTION AND REPAIR SERVICES – TEAM GHILOTTI AND ARGONAUT CONSTRUCTORS**

On the motion of Director Baker, and seconded by Director Eichstaedt, the Board approved the On-Call Construction and Repair Services – Team Ghilotti and Argonaut Constructors by the following vote:

AYES: Director(s) Baker, Eichstaedt, Fraites, and Joly

NOES: None

ABSENT: Director Petterle

ABSTAIN: None

**APPROVE: TEXT FOR SPRING 2025 WEST MARIN “WATERLINE”, ISSUE 24**

Ryan Grisso addressed the Board and Tony Williams noted that the West Marin Ad-hoc Committee had some feedback regarding the WM Waterline and the changes were incorporated. Mr. Grisso said the distribution of the issue is being accelerated to give ample notice to customers regarding the rate study board workshops and rate hearing schedule content. There was some discussion regarding some of the CIP projects.

On the motion of Director Eichstaedt, and seconded by Director Fraites, the Board approved the Text for the Spring 2025 West Marin “Waterline”, Issue 24, by the following vote:

AYES: Director(s) Baker, Eichstaedt, Fraites, and Joly

NOES: None

ABSENT: Director Petterle

ABSTAIN: None

1 **INFORMATION ITEMS**

2 **FY 2024-25 MID-YEAR PROGRESS REPORT – WATER CONSERVATION**

3 Ryan Grisso summarized the FY 2024-25 Mid-Year Progress Report for Water Conservation  
4 and gave a presentation that focused on Water Conservation and the State Urban Water Use  
5 Objective Report, as well as District Communications, i.e., our website, social media, and outreach.  
6 He gave water conservation program participation updates for the first half of FY24/25 and also  
7 gave some long-term historical water conservation participation updates. He noted that the State  
8 Urban Water Use Objective has a very complex reporting form and went through the submittal form  
9 details specifically to the District. He mentioned the District's demand was significantly lower than  
10 water budget for the FY 23/24 period. The report is related to 2018 legislation "Making Water  
11 Conservation a California Way of Life". He said that regarding public communications, the trend  
12 views for the website remain consistent and social media followers is increasing each month. Mr.  
13 Grisso said that the Waterline newsletter in Fall 2024 was sent to approximately 24,000 customers.  
14 He also mentioned that we did attend the Marin County Fair in July 2024 and had co-branded  
15 signage and messaging with Marin Water at the six watering stations and at an interactive booth  
16 focused on water conservation. President Joly asked how the numbers are regarding our AMI  
17 system and Mr. Grisso said that the use continues to go up. He said he will bring back some  
18 statistics at a future meeting.

19 **FY 25-26 BUDGET REVIEW AND RATE HEARING SCHEDULE**

20 Julie Blue outlined the Budget Review and Rate Hearing Schedule. She added that Mark  
21 Hildebrand, of Hildebrand Consulting, will be attending the March 18, 2025 Board meeting to review  
22 the West Marin Water Rate Study and will again present the study to Board in April for approval. Ms.  
23 Blue also summarized the schedule for the budget reviews, proposed rate hearings and rate setting.  
24 The budget and rate setting events will occur between March and June, with new water rates  
25 effective July 1. Ms. Blue noted we could potentially have an approximate 8.1% increase in our cost  
26 of water from Sonoma Water. President Joly asked if this will be the first year of the pass through  
27 and if it is we should communicate that to our customers. Ms. Blue confirmed that it is the first year  
28 of the pass through and that the customers would be notified 30 days prior to the increase. Director  
29 Eichstaedt asked if we will be having a meeting in West Marin but Tony Williams said there was not  
30 one scheduled at this time.

31 **FY 24-25 2<sup>ND</sup> QUARTER FINANCIAL STATEMENT**

32 Julie Blue gave an overview of the FY 24-25 2<sup>nd</sup> Quarter Financial Statement. She said that  
33 fiscal year to date operating revenue was 61% of budget and operating expenses are 56% of  
34 budget. She said the \$5.9M of the capital plan has been expended. She said that the main projects  
35 have been the Admin and Lab Building, the Crest Pump Station, and the Oceana Marin Treatment

1 Plant Pond Rehabilitation. Through December, the Novato year-to-date operating revenue was 15%  
2 higher than the prior year and the operating expenses were 31% higher. She said that net income  
3 was \$1.2M and noted that approximately \$100,000 in FRCs have been collected. Ms. Blue said that  
4 147MG of recycled water had been consumed with a net income of \$667,000. She said that West  
5 Marin had a rebound in sales volume, 18% higher than last fiscal year. West Marin operating  
6 expenses were 40% higher than the prior year, net income was \$133,000 and approximately  
7 \$32,000 was collected in FRCs. Ms. Blue said that Oceana Marin now has 240 active accounts.  
8 She said that Oceana Marin is expected to receive \$1.2M in grant funds for the Oceana Marin  
9 Treatment Plant Pond Rehabilitation. President Joly said that the statements prepared are always  
10 nicely detailed and asked if Ms. Blue sees any trends. She said that we are trending in the right  
11 direction with revenue. She added that there are a couple of items not reflected in the financial  
12 statements. We are waiting to receive the Oceana Marin grant funds before determining how much  
13 of a loan will be required from Novato. Also, we will be utilizing the recycled water capital  
14 replacement and expansion fund for recent projects. Both entries will be posted by the end of the  
15 fiscal year. President Joly thanked Ms. Blue for her report.

#### 16 **WAC AND TAC MEETING AGENDA – FEBRUARY 3, 2025**

17 Tony Williams mentioned that we are now putting the WAC and TAC meeting agenda rather  
18 than meeting minutes in the agenda packet, like we have been doing for NBWA meetings. Mr.  
19 Williams gave a recap of the February 3 WAC and TAC meeting. He noted that Petaluma has  
20 changed their WAC representative due to recent election results. Mr. Williams mentioned the water  
21 conservation item on the agenda and said that the TAC still report water use versus the SBX7-  
22 targets. He mentioned that Sonoma Water reps provided an update on cybersecurity in direct  
23 response to a comment made by Director Joly at a previous NMWD meeting. Director Eichstaedt  
24 asked if the District's IT consultant attends these meetings regarding cybersecurity, Mr. Williams  
25 said they do not. President Joly thanked Mr. Williams for his update.

#### 26 **NBWA MEETING AGENDA – FEBRUARY 7, 2025**

27 Director Fraites said that we could host a future NBWA meeting here at District headquarters  
28 now that we have a new Board room. He said that meeting focused on the State legislation that all  
29 vehicles be electric by 2035 was discussed and asked about that in relation to our large crew  
30 vehicles. Robert Clark said that he is in discussions with our leasing company since the legislation  
31 applies to NMWD as well.

#### 32 **MISCELLANEOUS**

33 The Board received the following miscellaneous items: Disbursements – Dated February 6  
34 and 13, 2025, Monthly Progress Report, Auditor-Controller's Monthly Report of Investments for  
35 December 2024, Excerpts from Potter Valley Hydroelectric Project – Final Draft License Surrender

1 Application Presentation (PG&E), Wildfires and Water: The Rolf California Public Water Agencies –  
2 ACWA, Honoring Bill Tyler: A Legacy of Wildfire Prevention in Marin – Fire Safe Marin, NOAA  
3 Three-Month Outlook Precipitation Probability, and NOAA Seasonal Drought Outlook.

4 **ADJOURNMENT**

5 President Joly adjourned the meeting at 5:32 p.m.

6 Submitted by  
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10 Eileen Mulliner  
11 District Secretary  
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## MEMORANDUM

To: Board of Directors

March 4, 2025

From: Tony Williams, General Manager *TW*  
 Julie Blue, Auditor-Controller *JB*

Subj: Authorize Affirmative Vote for Sonoma Water FY 2025/2026 Water Transmission System Budget

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**RECOMMENDED ACTION:** Authorize WAC Representative to vote in favor of Sonoma Water FY 2025/2026 Water Transmission (WTS) Budget

**FINANCIAL IMPACT:** Approximately \$440,000 increase in purchased water costs

This memo outlines the proposed Sonoma Water (SW), Water Transmission System (WTS) budget for FY 2025/2026 (FY 25/26), provided as Attachment 1. SW staff members Lynne Rosselli, Financial Services Division Manager, and Jake Spaulding, Finance Manager, will present a review of the Draft FY 25/26 SW WTS Budget (Attachment 2).

### **Budget Overview**

The budget proposes NMWD water purchases from SW at \$1,472.48 per acre-foot (AF) (\$4,518.89 per million gallons). This represents a 6.3% increase from the current fiscal year's rate of \$1,385.15 per AF (\$4,250.88 per million gallons). The estimated total cost increase is \$440,000, subject to variations based on actual water volume purchased from SW, offset by production from the Stafford Treatment Plant. The increased cost is based on NMWD projected purchases of 4,941 AF (1,610 million gallons) compared to 4,757 AF (1,550 million gallons) budgeted in FY 24/25.

As approved by the Board at the June 18, 2024 public hearing related to rate increases, the increased SW rate will be directly passed through to customers via their Tier 1 water charges. The SW increase of 6.3% is similar to the Prop 218 approved Districtwide 6% increase for other commodity and service charges and therefore, after applying the passthrough, customers can expect an approximate overall increase of 6% on their individual water bills. SW's rate adjustments are influenced by contractual arrangements with the District, differing from the other water contractors. NMWD's charges include the Russian River Conservation Charge and the Russian River Projects Charge in lieu of Sonoma County Property taxes.

### **Budget Review & Approval Process**

A Technical Advisory Committee (TAC) Ad Hoc Finance subcommittee was formed in November 2024 to review and negotiate the budget with SW. The Ad Hoc Finance subcommittee, which had representatives from several of the water contractors, included Tony Williams, General Manager, and Julie Blue, Auditor Controller, from NMWD. The subcommittee met once in January 2025 and once in February 2025 and exchanged information via email throughout that two month period. The full TAC will review the FY 25/26 SW WTS budget on March 3, 2025 at its regularly scheduled meeting. Based on positive feedback received from the subcommittee it is anticipated that the budget will pass successfully. A special joint Water Advisory Committee (WAC)/TAC meeting will be held on April 7, 2025, to consider the budget's approval. Absent any objections by Board members, it is staff's recommendation that the NMWD WAC representative, Director Baker, vote in favor of the budget as presented.

### **RECOMMENDATION**

Board authorize WAC representative to vote in favor of the FY 25/26 Sonoma Water, Water Transmission System Budget.

#### **ATTACHMENTS:**

1. Sonoma Water FY 25/26 Water Transmission Budget
2. Sonoma Water FY 25/26 Water Transmission Budget Presentation

## Water Transmission FY 2025/2026 Draft Budget and Rates

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### Sonoma Water

Sonoma Water is a wholesale water supplier to nine cities and water districts that serve more than 600,000 residents in portions of Sonoma and Marin counties. The Russian River provides most of Sonoma Water's water supply with groundwater supply from the Santa Rosa Plain as a secondary source.

Under agreements with the U.S. Army Corps of Engineers, Sonoma Water manages the water supply storage in Lake Mendocino and Lake Sonoma to provide a reliable water supply and maintain minimum instream flow requirements for fish and wildlife protection and recreation in the Russian River and Dry Creek. Sonoma Water holds water-right permits issued by the State Water Resources Control Board that authorize Sonoma Water to store up to 122,500 acre-feet per year of water in Lake Mendocino and up to 245,000 acre-feet/year of water in Lake Sonoma.

The primary points of Sonoma Water's diversion facilities near Forestville include six radial collector wells that extract Russian River underflow that has been filtered through approximately 100 feet of natural sand and gravel. This highly efficient, natural filtration process, with chlorination treatment, produces high-quality, potable water. This water is then fed directly into Sonoma Water's aqueduct system.

The Water Transmission System extends from Sonoma Water's Russian River diversion facilities located near Forestville to the Santa Rosa, Petaluma, and Sonoma valleys. The Water Transmission System consists of over 85 miles of pipelines, seven booster-pump stations, and 18 storage tanks with a combined storage capacity of 128.8 million gallons. The major pipelines that comprise the system and range in diameter from 16 to 54 inches are: the Santa Rosa Aqueduct (built in 1959), the Sonoma Aqueduct (built in 1963), the Petaluma Aqueduct (built in 1962), and the Cotati Intertie (built in 1977).

Sonoma Water remains dedicated to serving our communities and securing our future through responsible resource and environmental stewardship, continued technical innovation, investment in critical infrastructure and effective fiscal management. A few highlights of programs and projects that Sonoma Water accomplishes in collaboration with the water contractors and other partners that benefit the community are summarized below. More information can be found on Sonoma Water's website at: <https://www.sonomawater.org>.

- **Santa Rosa Plain Water Supply Resiliency:** Reactivate three Santa Rosa Plain Wells, utilizing \$6.9 million in Department of Water Resources grant funding for two of the wells, and implement Aquifer Storage and Recovery for additional water supply reliability and alleviate drought impacts to the water contractors and their customers.
- **Regional Water Supply Resiliency:** Sonoma Water has worked collaboratively with the water contractors to improve the region's water supply reliability during periods of water supply shortage due to drought, seismic, and other hazard events. Using Sonoma Water's transmission system as the backbone, Sonoma Water will pursue development of a Regional Water Bank Implementation Strategy to integrate the most significant regional water storage facilities (Lake Sonoma, groundwater basins, Lake Stafford, and Marin Water reservoirs).
- **Hazard Mitigation:** Sonoma Water and its water contractors have invested substantially in efforts to protect water supply infrastructure with continued emphasis on implementing high priority seismic and flood hazard mitigation projects.
- **Sonoma-Marin Saving Water Partnership (SMSWP):** Sonoma Water is administering a \$4 million regional drought resiliency program with a \$2 million United States Bureau of Reclamation grant that is being passed through to the water contractors to implement critical drought resiliency programs.

- Water, Stormwater, and Energy Education Program: Sonoma Water collaborates with the SMSWP and Sonoma Clean Power to bring its education program annually to more than 16,000 local students.
- Dry Creek Habitat Enhancement: Sonoma Water, the water contractors, and the U.S. Army Corps have completed 5 miles of restoration to date. The U.S. Army Corps agreement with Sonoma Water provides a 65 percent cost share to complete fishery habitat restoration work in Dry Creek.

Sonoma Water leverages partnerships to implement programs funded from other sources that also benefit the water contractors and the community they serve:

- Quagga Mussels: Sonoma Water collaborates with the U.S. Army Corps of Engineers, the California Department of Fish and Wildlife, and the California Department of Boating and Waterways on a boat inspection strategy to prevent invasive mussel infestations in Lake Mendocino and Lake Sonoma.
- Forecast Informed Reservoir Operations (FIRO): FIRO is an ongoing collaborative program with Sonoma Water, the U.S. Army Corps of Engineers, and a multi-agency steering committee that began in 2012. FIRO is a flexible water management approach that uses data from watershed monitoring and improved weather forecasting to help water managers selectively retain or release water from reservoirs for increased resilience to droughts and floods.
- San Francisco Bay Advanced Quantitative Precipitation Information System (AQPI): A \$20 million grant from the Department of Water Resources was awarded to Sonoma Water and its partners to install four X-Band radars in the Bay Area to provide improved precipitation and hydrologic information to water agencies, flood control managers, and emergency personnel. The radar data will result in improved management of water supply reservoirs, and improved operations of wastewater systems and flood protection facilities.

### Infrastructure Investments

The draft FY 2025/2026 Water Transmission Budget supports Sonoma Water's five-year strategic plan by continuing investments to upgrade aging infrastructure and systems. Sonoma Water's critical water infrastructure, including aqueducts, pipelines, pump stations, storage tanks, and wells supply essential water to all water contractors and ultimately 600,000 residents in Sonoma and Marin county. Undervaluing the actual costs to operate, maintain, and improve this system could jeopardize this essential service with drastic consequences given our role as a wholesaler. Our critical infrastructure is gradually aging after decades of reliable service. A significant portion of it is approaching the end of its useful lifespan. Sonoma Water is currently developing an Asset Management Program. Preliminary assessments of the water production/transmission systems indicate that a large portion is in less than acceptable (i.e. fair, poor, or failed) condition. The age of the infrastructure, current condition of assets, combined with substantial levels of deferred maintenance, underscores the importance of making investments to guarantee a reliable water source for more than 600,000 residents in portions of Sonoma and Marin counties. Furthermore, Sonoma Water is also currently working to prepare a 20-year Comprehensive Water Master Plan on the water production/transmission system. The assessment data collected under the Asset Management Program will be incorporated, along with recommendations of other current seismic and regional resilience planning efforts, into the 20-year Comprehensive Water Master Plan.

Sonoma Water, our water retailers, and the industry at-large are facing very similar challenges: aging infrastructure, rising operating and maintenance costs, water usage fluctuations resulting in lower revenues, etc. These challenges drive rate increases which have a financial impact on end users but are necessary to upgrade infrastructure and ensure reliable service. Similar to the water contractors, Sonoma Water has deferred maintenance and capital projects in an effort to keep water rate increases as low as possible, while providing clean, reliable, essential water for the benefit of the water contractors and the 600,000 customers they serve every day. As presented, the draft budget does not address the full needs of maintenance and improvements for the water transmission system but allows significant progress toward that goal. There will continue to be pressure on rates in the coming years as additional infrastructure investments are required to fully meet the needs of the system. In this budget, Sonoma Water has cut and deferred **more than \$16.69 million in O&M, subfund, and capital projects** from the FY 2025/2026 budget and **\$87.93 million in additional capital project**

**costs** that would occur in the 3-year required time frame for expending revenue bonds to finance improvements resulting in rate increases of nearly 40 percent, to the proposed rates within this package (7.60% for Sonoma Aqueduct/8.86% for Santa Rosa Aqueduct/9.98% percent for Petaluma Aqueduct).

Sonoma Water works diligently to secure alternate funding and utilize cost effective financing mechanisms to moderate rate increases. Sonoma Water has been successful in securing grants from various sources and has utilized fund balances and bond proceeds in this effort. In fact, Sonoma Water’s wholesale rates (the rates that are charged to water contractors) continue to be among the lowest in the greater Bay Area. Future proposed budgets will continue to prioritize ongoing infrastructure maintenance, replacement, and improvement to ensure a sustainable source of water for the benefit of the communities served.

This draft FY 2025/2026 Water Transmission Budget has been developed based on the 36-month average water deliveries of 42,407 Acre-Feet (AF) and is shown below.

	FY24-25	FY25-26	
	Budget (in Millions)	Budget (in Millions)	Change (in Millions)
Operations and Maintenance	\$45.41	\$45.87	\$0.46
Capital Projects	\$15.66	\$18.28	\$2.62
Biological Opinion Compliance, Water Supply Planning, Water Conservation	\$7.53	\$8.80	\$1.27
Debt Service	\$5.83	\$9.07	\$3.25
Totals	\$74.43	\$82.02	\$7.60
Grants, Use of Fund Balance, and Bond Proceeds	\$18.13	\$21.34	\$3.21

Budget and Rate Reduction Measures: Changes made since January 17, 2025 Draft Water Transmission Budget:

- Reduced rate increase from 10.67% to 8.68% (Santa Rosa Aqueduct), 11.97% to 9.98% (Petaluma Aqueduct) and 9.37% to 7.60% (Sonoma Aqueduct).
- Reduced O&M contract services by an additional \$871,000 by deferring the Collector Capacity Study, and portions of the Natural Hazard reliability study, Wohler-Mirabel Flood Resilience Alternatives Evaluation, Transmission System Condition Assessments, and the Tank Recoating Program. The consequences of reducing the tank recoat program budget are that for the subsequent two fiscal years (FY 2026/2027 and FY 2027/2028), there will be less of a buffer for cost overruns, less water sales revenue, reduced capacity to build fund balance to smooth rates, and on top of the rate increase needed to operate and maintain the water transmission system, there would be up to an additional 3% increase in rates each year just from the tank recoat program. Note that we also deferred Tank recoat costs in the prior year's budget as a rate reduction measure. The additional funding for the tank recoat program has been included in the budget to smooth rates over the 10-year tank recoat program.
- Reduced Watershed Planning/Restoration contract services by \$100,000 for the Dry Creek Habitat Enhancement – Phase 4.
- Reduced Common Facilities FY25/26 budget request by \$1.5 million by deferring design costs for the Water Treatment System Modernization - Phase 2 and deferring project construction of the Collector 3 and 5 Liquefaction Mitigation to FY28/29.
- Incorporated additional revenue of \$860,854 tied to the Warm Springs Dam Hydropower Retrofit Project for FY24/25 in Common Facilities. This revenue reflects a new request for reimbursement from the Power and Water Resources Pooling Authority Cap-and-Trade Program. It has a dollar-for-dollar reduction on the amount of bond funding needed in Common Facilities over the 3-year bond window.
- Revised bond and loan charges: a) updated debt service figures; b) Common Bond Charges are decreasing due to removal of costs tied to the Water Treatment System Modernization - Phase 2 Project, Collector 3 and 5 Liquefaction Mitigation Project, and factoring in the additional revenue to reimburse costs for the Warm Springs Dam Hydropower Retrofit Project.
- Updated Exhibit A to reflect changes noted above and to fix typographical errors in the amount of reductions from the Tank Recoating Program and Ely BPS Flood Control and Electrical Upgrade Project.
- Fixed sum error in calculation of rate for Water Management Planning. This resulted in an additional \$20,000 in expenses, increasing the rate by \$0.47 A/F.
- Various other typographical or sum errors not affecting the rate.

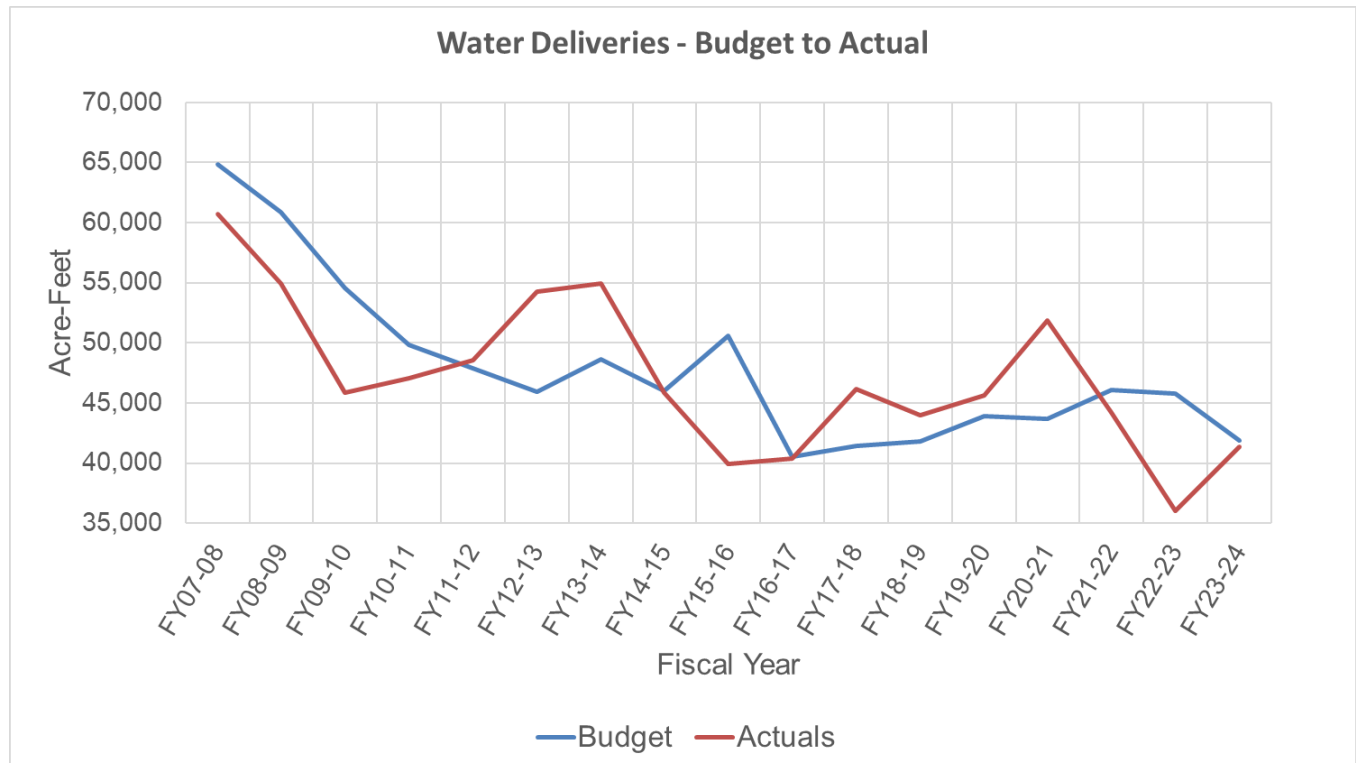
**FY 2025/2026 Draft Budget Financial Summary compared to FY 2024/2025 Adopted Budget: Factors affecting the rate increase:**

The terms of the Restructured Agreement for Water Supply require that budgeted deliveries be the lesser of the preceding twelve months of water delivered, or the average annual amount of water delivered during the preceding 36 months. This requirement is to ensure Sonoma Water can meet its obligation to set rates at an amount that covers the projected costs for the following year. Sonoma Water must also generate sufficient revenue to cover debt obligations and maintain a debt coverage ratio as stipulated in outstanding bond issuances.

Deliveries remain low by historical standards and trends show negative or flat growth both in the near and long term. Sonoma Water's rate is fully volumetric meaning that lower deliveries drive rates higher. Year-to-year differences in budgeted deliveries averaged over the 3-, 5-, and 10-year periods have been negative, even when

including the deviation proposed and approved in FY 2024/2025 to use the higher of the delivery numbers. Year-to-year differences in actual deliveries inherently have more variability but have also shown flat growth when averaged over the 3-, 5-, and 10-year periods.

Difference in Year-to-Year Budgeted Deliveries			Difference in Year-to-Year Actual Deliveries		
3-year average	5-year average	10-year average	3-year average	5-year average	10-year average
-2.31%	-0.37%	-0.37%	1.30%	0.56%	0.44%



*\* Increase in actual deliveries in FY20-21 was partially due to the backfilling of Stafford Lake by NMWD. In FY21-22, MMWD took excess winter instream flows. FY22-23 was an historic low at 36,032 AF.*

Multiple years of drought and mandated conservation measures resulted in low water deliveries, low water sales revenue, and significantly reduced fund balance reserves. **The FY budgeted deliveries of 42,407 AF represent a 1% decrease (419 AF) from the FY 2024/2025 budget,** and the combination of low reserves, increasing operations and maintenance costs to keep pace with critically needed infrastructure improvements, and capital projects to replace aging infrastructure, has contributed to needed rate increases.

Sources of revenue including water sales and charges for services, federal and state grants, existing fund balances, contributions, interest, and bond financing are detailed below:

<b>Revenues</b>	<b>FY 2025/2026 Draft Budget</b>	<b>Increase/(Decrease) over FY 2024/2025</b>
Water Sales & Charges for Services	\$60,872,586	8.1%
Operating Grants	73,000	(93%)
Capital Grants	0	0%
Contributions	593,870	97.3%
Interest & Investment Earnings	1,100,172	(.8%)
<b>TOTAL</b>	<b>\$62,630,890</b>	<b>6.6%</b>

\*Operating Grant decrease associated with \$1 million Sonoma Marin Drought Resiliency USBR WEEG Grant. Grant budgeted in FY24/25. This is a multi-year project and project revenues/expenses will be rolled forward into the adjusted budget.

\*Capital Grant figure only reflects new awards. Most capital grants are multi-year projects and project revenues/expenses will be rolled forward into the adjusted budget. New awards not known at budget time will be added to the adjusted budget.

\*Contributions include TOW diverted revenue and WUE Passthroughs including the new \$250,000 Spatial Analysis Project which is rate neutral. Without spatial analysis the increase would be 15.7%.

<b>Fund Balance</b>	<b>FY 2025/2026 Draft Budget</b>	<b>Increase/(Decrease) over FY 2024/2025</b>
Use of Fund Balance: 35% from Operating Funds; 65% from Capital Funds	\$ 8,054,728	(24%)

<b>Bond Funds</b>	<b>FY 2025/2026 Draft Budget</b>	<b>Increase/(Decrease) over FY 2024/2025</b>
Use of Bond Funds (FY 2025/2026: issuing \$32.96 million in revenue bonds)	\$ 13,215,000	105%

#### Budget Requirements:

- Maintain 3-month operating reserve.
- Maintain 1.15x debt coverage bond covenant.
- Rates collect 1.15x debt service in accordance with the provisions of the Water Transmission System Master Ordinance.

Significant efforts have been made to cut and defer **more than \$16.69 million in O&M, subfund, and capital projects** from the FY 2025/2026 budget and **\$87.93 million in additional capital project costs** that would occur in the 3-year required time frame for expending revenue bonds (see Exhibit A). The proposed rate increases are 7.60% to 9.98% for prime contractors served from the three aqueducts. See page xi which also includes rates for Town of Windsor, NMWD, and MMWD. Sonoma Water is not alone in facing rate pressures, as decreasing water sales are forcing other wholesalers and retailers to raise rates beyond historical averages to address maintenance and capital needs.

#### Operations and Maintenance (O&M)

- 8.1% increase in water sales revenue due to a decrease in deliveries and the rate needed to cover budgeted expenditures.
- 1.0% increase in budgeted expenditures. Budgeted expenditures increase is mostly attributable to cost increases for maintenance equipment, equipment rentals and leases, SCADA system contributions,



utilities, and staff labor costs tied to negotiated labor agreements, offset by decreases in other contract services.

- O&M budget has been reduced by **\$10.04 million** by deferring maintenance costs, studies, and projects. Included in this amount is a **\$3.21 million** reduction to the Tank Recoat Program and a **\$3.05 million** reduction to the SR AQ Cathodic Protection project. These deferrals could result in rate spikes in future years as the projects cannot be deferred indefinitely. See list of deferrals in Exhibit A.
- Deferring maintenance projects reduced the O&M rate increase from more than 21.7% to 1.4%.
- Budgeted projects have been thoroughly reviewed and edited and represent the budgeted work that can reasonably occur in FY 2025/2026. Budgeted maintenance projects are a priority, and further delays and cuts pose detrimental operational impact and risk.
- Must have sufficient net operating revenues to meet 1.15x debt coverage bond covenant requirement. Note that this budget includes a \$32.96M bond issuance to fund the capital program.
- Water Sales Revenue Shortfall:
  - FY 2021/2022: \$1M
  - FY2022/2023: \$10.2M
  - FY 2023/2024: \$1.6M
  - FY 2024/2025: Currently estimating we will meet budgeted deliveries
- FY 2024/2025 expenditures are anticipated to align with the adjusted budget. Unspent budget is rolled forward to subsequent budget years to avoid being included in the rate calculation more than once.

See pages 19-26 for details on major services & supplies, maintenance – equipment, and consulting/contractual services occurring in FY25/26.

## Capital Projects

Capital Projects: FY 2025/2026 draft budgeted expenditures of \$18.28 million increased by \$2.62 million or 16.73%. The capital program is fully funded by grants, bonds, and use of fund balance. See detailed list of capital projects on page xvii.

Capital budget has been reduced by **\$5.37 million** by deferring design of Water Treatment System Modernization - Phase 2, construction awards for Collectors 3 and 5 Liquefaction Mitigation, and the Bennett Valley Fault Crossing Project pending availability of grant funding. Capital budget also reduced by **\$87.93 million** in additional capital project costs that would have occurred in the 3-year required time frame for expending revenue bonds. See list of deferrals in Exhibit A.

Hazard mitigation projects (\$8.31 million) and infrastructure improvement projects/drought resiliency projects (\$9.97 million) are fully funded by Water Revenue Bonds, Grants, and Fund Balance.

Investing in Infrastructure:

<b>Construction: Hazard Mitigation Projects</b>	<b>\$8,176,284</b>
Ely BPS Flood Control & Electrical Upgrade	426,440
River Diversion Structure (RDS) Upgrade Project	4,000,000
Seismic Retrofit of Storage Tanks	1,057,177
Wilfred Booster Station	2,692,667
 <b>Design: Hazard Mitigation Projects</b>	 <b>\$130,247</b>
Santa Rosa Creek Crossing	130,247

<b>Construction: Other Capital Projects</b>	<b>\$7,259,724</b>
Mirabel Collector Wells Pump Hoist Upgrades	2,431,357
Occidental Road Well	920,949
Ralphine Tanks Flow Thru Conversion	280,540
Sebastopol Road Well	707,215
Todd Rd Well Discharge Connection	597,110
Warm Springs Dam Hydropower Retrofit	2,322,553
<b>Design Other Capital Projects</b>	<b>\$2,714,165</b>
Kawana-Ralphine SBS Pipeline	767,250
Mirabel/Wohler Storage Building	411,130
Water Treatment System Modernization - Phase 1	526,880
Water Treatment System Modernization - Phase 3 (River Road)	1,008,905

### Biological Opinion

- 9.6% increase in revenue due to a decrease in deliveries and the rate needed to cover budgeted expenditures.
- Subfund budget has been reduced by **\$1,062,000** by deferring costs. See list of deferrals in Exhibit A.
- \$3.2 million in Use of Fund Balance reduces rate increase from 202.58% to 14.14%.
- 14.14% rate increase compared to 11.37% increase in FY 2024/2025 when \$1.7 million in Use of Fund Balance was budgeted.
- Expenditures are anticipated to range from \$3 million to \$4.5 million annually in this subfund. A rate of \$45.71/AF at 42,407 AF generates \$1.93 million in revenue. There is a need to increase revenue in this fund to cover a greater portion of annual costs as we continue to utilize fund balance to keep the rate low. If more fund balance were used, there would be a significant rate spike in subsequent years to generate sufficient revenue for the subfund. The rate increase is intended to smooth future rate increases.
- See pages 34-36 for list of consulting/contractual services occurring in FY25/26.

### Water Conservation

- 14.1% decrease in revenue due to a reduction in anticipated grant revenue partially offset by rate needed to cover budgeted expenditures.
- 15.11% decrease in expenditures.
- Subfund budget has been reduced by **\$126,000** by deferring costs. See list of reductions in Exhibit A.
- \$210,000 in Use of Fund Balance. Reduces rate increase from 15.51% to 7.20%.
  - FY 2024/2025 Adopted Budget used \$250,000 in Fund Balance to reduce the Water Conservation Rate Increase to 10.11%.
  - Without the Use of Fund Balance in the FY 2024/2025 Adopted budget, the Water Conservation rate increase would have been 20.90%.
- See pages 34-36 for list of consulting/contractual services occurring in FY25/26.

This year the Water Conservation Subfund budget is only inclusive of what is needed to maintain existing successful regional programs of the Partnership, including the Water Education Program, Green Business Program, Garden Sense Program, Water Loss Working Group and Validation Services, QWEL Program, Eco-Friendly Garden Tour, and WaterSmart Plant Label Program. The budget also includes funds to implement a

spatial analysis project for the Sonoma-Marín Saving Water Partnership that has offsetting revenue contributed outside the subfund rate by participating members.

### **Water Management Planning and Recycled Water and Local Supply**

For both of these subfunds, low budgeted expenditures, low rates, and use of fund balance have minimal impact (2.7% and 0.1% respectfully) on the overall rate increase.

Water Management Planning rate is increasing for budget needed for the Annual Water Supply & Demand Assessment and upcoming 2025 Urban Water Management Plan (UWMP). The increase in the rate is to fund a new consultant agreement for these tasks and associated staff time. Sonoma Water used \$156,000 in Fund Balance towards this effort. See pages 34-36 for list of consulting/contractual services occurring in FY25/26.

Recycled Water and Local Supply costs have historically been for Sonoma Water's share of the groundwater sustainability agency's contributions. Sonoma Water's share of mandatory fees has been included in the Agency Operating fund in FY 2024/2025. The rate is set to \$0.14/AF which covers depreciation expenses incurred in the fund.

### **Debt Service**

Debt Service Expenditures increase by \$3.25M or 55.8% resulting from the planned issuance of \$32.96M in 2025 Water Revenue Bonds to fund critical infrastructure projects in Petaluma AQ, and Storage and Common capital funds.

Debt service is driving the majority of the rate increase. A list of capital projects that we anticipate funding with revenue bond proceeds in the 3-year required time frame is shown in the Long-Range Financial Plan.

### **Summary**

The draft proposed budget for FY 2025/2026 is based on accomplishing the required elements of the Biological Opinion, maintenance of facilities, continued implementation of hazard mitigation and reliability projects, and projects to maintain, replace, and improve critical infrastructure.

Significant efforts have been made to cut and defer **more than \$16.68 million in O&M, subfund, and capital projects** from the FY 2025/2026 budget and **\$87.93 million in additional capital project costs** that would occur in the 3-year required time frame for expending revenue bonds (see Exhibit A). The proposed rate increases are 7.60% to 9.98% for prime contractors served from the three aqueducts. See page xi which also includes rates for Town of Windsor, NMWD, and MMWD.

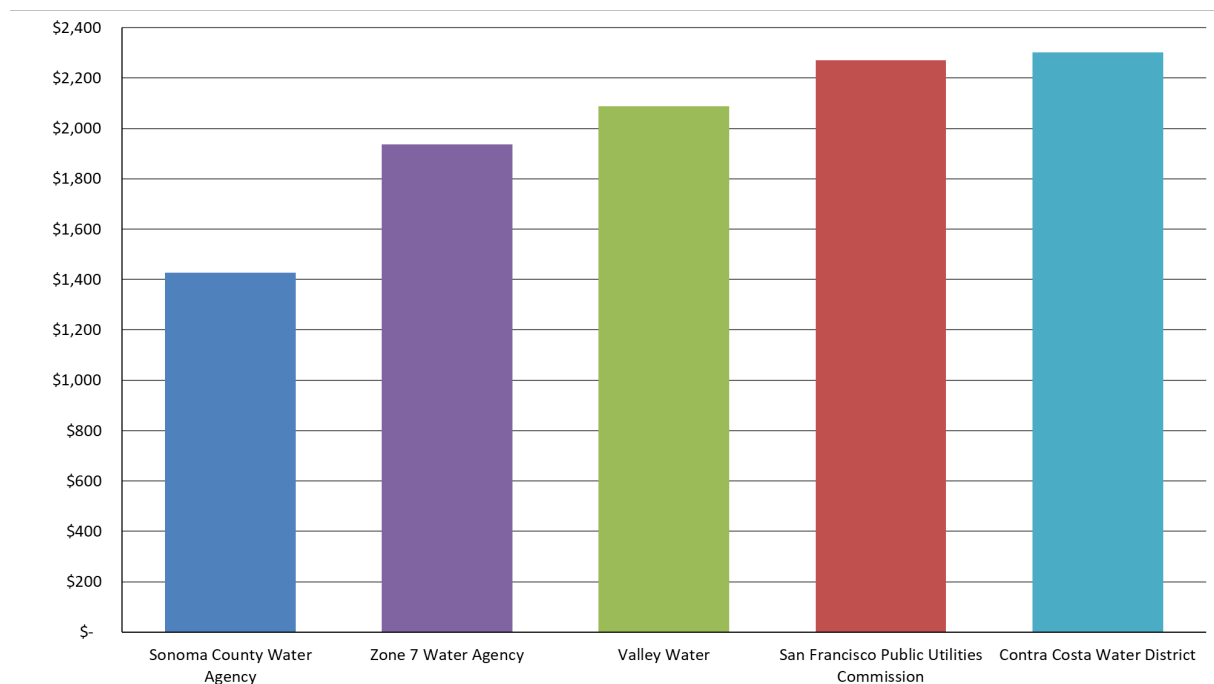
Sonoma Water recognizes the profound impact of natural hazards, the remnants of the COVID-19 pandemic, inflationary pressures, and other economic circumstances to many residents, businesses, and our retail water contractors throughout our county and beyond. In response to the far-reaching financial hardships, Sonoma Water made a conscious effort to reduce rate increases while continuing to maintain system reliability and public health and safety.

Factors affecting the Rate Increase:

- 1.0% decrease in deliveries
- Three years with actual water deliveries at 4%, 21.2%, and 1.2% less than budget. Total budget shortfall over three years is 12,105 AF.
- 1.0% increase in O&M costs.
- 16.7% increase in Capital Project costs mostly attributable to capital project construction costs.
- 16.9% increase in Subfund costs.

- 55.8% increase in debt service tied to 2025 Water Revenue Bond necessary to fund near-term critical capital improvement projects.
- 12.3% of the rate increase is attributable to the O&M budget, 74.9% to capital projects and debt service, and 12.8% to the subfunds (Water Management, Watershed Planning and Restoration, Recycled Water and Local Supply, and Water Conservation).
- Increases in material and equipment costs for aging infrastructure and priority maintenance projects that can no longer be deferred, supply chain disruptions, long lead times on equipment, and the current inflationary environment are putting continued upward pressure on the Water Transmission System budget.

Sonoma Water continues to have one of the lowest wholesale water rates in the San Francisco Bay Area. The chart below compares the proposed FY25/26 (if known) rate per AF to the current rates of other wholesale water agencies in the bay area.



*\* SFPUC and Valley Water rates for FY25/26 not available and FY24/25 rates are used as a placeholder.*

Proposed rates are shown in the table below:

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	42,407		
O&M	\$1,029.16	\$1,029.16	\$1,029.16
Water Management Planning	\$4.57	\$4.57	\$4.57
Watershed Planning & Restoration	\$45.71	\$45.71	\$45.71
Recycled Water and Local Supply	\$0.14	\$0.14	\$0.14
Water Conservation	\$63.83	\$63.83	\$63.83
<b>Total O&amp;M</b>	<b>\$1,143.41</b>	<b>\$1,143.41</b>	<b>\$1,143.41</b>
Storage & Common Bond/Loan Charges	\$246.45	\$246.45	\$246.45
Petaluma Aqueduct Bond/Loan Charge		\$15.66	
Sonoma Aqueduct Bond/Loan Charge			\$144.56
<b>Prime Contractors</b>	<b>\$1,389.86</b>	<b>\$1,405.52</b>	<b>\$1,534.42</b>
<b><u>Discretionary Charges</u></b>			
Capital Charges - to build fund balance for future projects	\$11.00	\$0.00	\$34.90
<b>Total Prime Contractors</b>	<b>\$1,400.86</b>	<b>\$1,405.52</b>	<b>\$1,569.32</b>
Total Overall Increase:	8.68%	9.98%	7.60%

Entity	Rate per AF	Rate Increase
Town of Windsor	\$1,400.86	8.68%
Town of Windsor (Diverted Water)	\$114.26	14.32%
NMWD	1,472.48	6.30%
MMWD	\$1,740.53	8.10%

• Deliveries: (Budget Packet Pages 9-14):

FY 2022/2023 Budget	FY 2022/2023 Actuals	FY 2023/2024 Budget	FY 2023/2024 Actuals	FY 2024/2025 Budget	FY 2025/2026 Est. Budget
3-year average		12-months		3-year average	3-year average
45,748	36,032	41,847	41,317	42,826	42,407
	21.2% less than budget		1.3% less than budget		
A/F change	(9716)		(530)		

FY 2024/2025 Budgeted Deliveries vs FY 2025/2026 Budgeted Deliveries	1.0% decrease
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- **Operations and Maintenance (O&M) – Water Transmission O&M Fund (Budget Packet Pages 15-26):**
  - In accordance with the Restructured Agreement for Water Supply:
    - The rate is calculated by dividing operations and maintenance expenditures (less specific cash and noncash revenues and expenditures) by budgeted deliveries.

O&M Fund	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$13.77	1.36%	Increase is attributable to increased infrastructure maintenance needs.
Revenue	\$4,489,000	7.93%	Increase in revenue is attributable to the rate increase.
Expenditures	\$4,279,000	6.74%	Increase is attributable to cost increases for maintenance equipment, equipment rentals and leases, SCADA system contributions, utilities, staff labor costs tied to negotiated labor agreements, and other expenditures increases described below, offset by decreases in contract services.

Factors affecting the O&M rate:

O&M Fund Expenditures	Increase (Decrease) in Dollars	Percent Change	Description
Labor	\$1,022,000	5.06%	Increase is attributable to an increase in labor costs for maintenance projects, offset by projects deferred to reduce the rate increase. The majority of this increase is due to negotiated labor rates.
Power	\$553,000	13.00%	Power demand and costs expected to increase roughly 13%. The majority of this increase is associated with increased transmission and distribution costs.
Chemicals	(\$1,000)	-0.06%	Costs expected to remain stable after several years of large increases.
Testing/Analysis	\$10,000	4.17%	Increase associated with expanded sampling and analysis tied to the Santa Rosa Plain Wells Projects as well as additional microplastics and Perfluoroalkyl/Polyfluoroalkyl Substances (PFAS) testing.
Contract Services	(\$2,462,000)	-20.46%	Decrease attributable to deferring cathodic protection and tank recoats.
Maintenance - Equipment	\$169,000	6.78%	Increase attributable to increased costs of the Pump 9 replacement offset by \$270,000 in projects that have been deferred to reduce the rate increase.
Rents and Leases - Heavy Eqt	\$175,000	43.75%	Increase to align with FY23/24 actuals.

O&M Fund Expenditures	Increase (Decrease) in Dollars	Percent Change	Description
Equipment Usage Charges	\$105,000	9.55%	Increase attributable to increased use of Sonoma Water equipment to implement routine maintenance projects.
SCADA	\$354,351	16.17%	Increase attributable to water transmission system's share of SCADA maintenance expenses and capital project costs.
Operating Transfers	\$3,824,000	8.00%	Operating Transfers (OT's) move revenue generated by rates into respective funds (debt service funds, subfunds, aqueduct capital funds and Common Facilities) and maintain an appropriate fund balance.

- **Subfunds: (Budget Packet Pages 27-36):**

- Subfund rates are calculated by dividing subfund expenditures minus grant revenue by budgeted water deliveries.
- Water Management Planning:
  - Expenditures are for Urban Water Management Planning (UWMP) which is required to be updated every five years and the Annual Water Supply & Demand Assessment.

Water Management Planning	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$4.22	1206.1%	Fiscal Year 2024/2025 rate is \$0.35. Fund is for Urban Water Management Plan updates and the Annual Water Supply & Demand Assessment. Using \$156,000 in fund balance. Rate increase is due to use of fund balance to reduce rates in prior years and work needed to submit the 2025 Urban Water Management Plan.
Revenue	\$186,000	803.1%	Increase due to subfund rate increase and decreased interest earnings offset by use of fund balance. Increasing use of fund balance to smooth rate increases.
Expenditures	\$205,000	141.4%	Budget increase is due to contract service and staff time related to the Annual Water Supply & Demand Assessment and 2025 Urban Water Management Plan. Low budgeted expenditures, low rates, and use of fund balance have minimal impact (2.7%) on the overall rate increase.

- Watershed Planning and Restoration:
  - Expenditures are for planning, design, and implementation of watershed restoration projects and projects required under the Biological Opinion.

Watershed Planning and Restoration	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$5.66	14.1%	Fiscal Year 2024/2025 rate is \$40.04. Rate increase is primarily a result of costs associated with maintenance of Dry Creek Phases 4 and 5, RRIFR Estuary Management & Monitoring, the new Biological Opinion, and fire fuel reduction offset by the increased use of fund balance. Rate of \$121.17/AF based on \$5.1M in expenditures and 42,407 AF is reduced to \$45.71/AF by using \$3.2M in fund balance. In Fiscal Year 2024/2025, \$1.7M in fund balance was utilized to offset rate increases.
Revenue	\$190,000	9.6%	Increase due to subfund rate increase and higher interest earnings offset by use of fund balance to reduce and smooth overall rate increase.
Expenditures	\$1,681,000	48.6%	Increase in expenditures for maintenance of Dry Creek Habitat Enhancement Phases 4 and 5, increased efforts for RRIFR Estuary Management & Monitoring, fire fuel reduction, and required efforts for the new biological opinion.



- Recycled Water and Local Supply:
  - Expenditures are for planning, design, and implementation of recycled water and local supply projects. The fund previously included water contractor projects under the Local Recycled Water Tier 2 (LRT2) Program.

Recycled Water and Local Supply	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$0.14	NA – last FY rate was \$0.	Fiscal Year 2024/2025 rate is \$0.00. Rate increase of \$0.14 for depreciation.
Revenue	(\$2,000)	-22.2%	Using an estimated \$0 in fund balance. Decrease in revenue is associated with decreased expenses in the subfund.
Expenditures	(\$25,000)	-80.6%	Decrease is due to Sonoma Water's share of Groundwater Sustainability Agency mandatory fees moving to the Agency Operating Fund.

Water Conservation:

- Expenditures are for water use efficiency projects, outreach, and education.

Water Conservation	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$4.29	7.2%	Fiscal Year 2024/2025 rate is \$59.55. Rate increase is primarily a result of not being able to utilize as much fund balance to offset rate as was used in prior year. Rate of \$68.78/AF based on \$2.9M of net expenditures and 42,407 AF is reduced to \$63.83/AF by using \$210,000 in fund balance. In Fiscal Year 2024/2025, net expenditures were 2.8M and \$250,000 in fund balance was utilized to offset rate increases.
Revenue	(\$539,000)	-14.1%	Decrease due to subfund rate increase offset by lower anticipated grant funding than prior year budget.
Expenditures	(\$589,000)	-15.1%	Decrease is associated with decreased planned expenditure due to lack of a new grant funded project. Expenditures are used to implement water use efficiency, outreach and education projects, and address ongoing water conservation needs.

- **Storage, Common, and Sonoma Bond/Loan Charges: (Budget Packet Pages 48-62):**

- The rates are calculated by dividing the annual debt service and reserve requirements (2015A, 2019A, 2022A, and anticipated 2025A Water Revenue Bonds) by water deliveries.

Storage and Common Bond/Loan Charges	Increase (Decrease) in Dollars	Percent Change	Description
Storage Bond/Loan Charge	\$18.63	59.2%	Fiscal Year 2024/2025 rate is \$31.47. Rate is based on revenue requirement for debt service divided by water deliveries. Total Debt service higher than previous year due to issuance of 2025 Bonds for capital projects in the Storage Fund and decrease in budgeted water deliveries.
Common Bond/Loan Charge	\$65.13	49.6%	Fiscal Year 2024/2025 rate is \$131.22. Rate is based on revenue requirement for debt service divided by water deliveries. Total Debt service higher than previous year due to issuance of 2025 Bonds for capital projects in the Common Fund and decrease in budgeted water deliveries.
Petaluma Aqueduct Bond/Loan Charge	\$15.66	NA – last FY rate was \$0.	Fiscal Year 2024/2025 rate is \$0. Petaluma Aqueduct pays an additional revenue bond charge for the bonds associated with Ely BPS Flood Control and Electrical Upgrade and Wilfred Booster Station Projects. Reduced Aqueduct Capital Charge and use of Fund Balance in prior years results in total Debt service and rate increase that are higher in FY 2025/2026 as Petaluma AQ will be bonding for the first time with the 2025 Revenue Bond Issuance.
Sonoma Aqueduct Bond/Loan Charge	(\$0.93)	-0.6%	Fiscal Year 2024/2025 rate is \$145.49. Sonoma Aqueduct pays an additional revenue bond charge for the bonds associated with Sonoma Booster Station Electrical Upgrade and Pumping Reliability Project, Bennett Valley Fault Crossing Project, and other Creek Crossing Projects on the Aqueduct. Total Debt service lower than previous year due to structure of the bond payments and the fact that Sonoma AQ will not be utilizing funds from the 2025 Revenue Bond Issue.

- **Aqueduct Capital Charge: (Budget Packet Page 1):**

- A discretionary charge is added by the water contractors to build fund balance for future aqueduct capital projects and to provide rate stabilization capacity.
- The FY 2024-2025 budget included an \$11 per Acre-Foot charge for the Santa Rosa Aqueduct, a \$0 per Acre-Foot charge for the Petaluma Aqueduct, and a \$34.90 per Acre-Foot charge for the Sonoma Aqueduct.
- The FY 2025-2026 draft budget includes a \$11 per Acre-Foot charge for the Santa Rosa Aqueduct, a \$0 per Acre-Foot charge for the Petaluma Aqueduct, and a \$34.90 per Acre-Foot charge for the Sonoma Aqueduct pending input from the water contractors

- **Overall Draft Proposed Rate Increases: (Budget Packet Pages 1-8):**

- 8.68% (Santa Rosa Aqueduct); 9.98% (Petaluma Aqueduct); 7.60% (Sonoma Aqueduct)
- FY2025/2026 budgeted deliveries are based on 36-month average water deliveries (42,407 AF). FY2025/2026 budgeted deliveries are 1.0% less than FY 2024/2025 budgeted deliveries.

## FY 2025-2026 Capital Projects

(Budget Packet Pages 37-46):

Water Transmission Budget		FY25-26	
Capital Projects Summary			
Project	Category	Amount	Status
Santa Rosa Creek Crossing	Santa Rosa AQ	130,247	Funding de-obligated; re-evaluating project design and schedule
Ely BPS Flood Control & Electrical Upgrade	Petaluma AQ	426,440	Awarded Q3 FY21/22; Delayed due to Elec Supply Chain issues; Substantial Completion anticipated Oct 2025
Wilfred Booster Station	Petaluma AQ	2,692,667	90% design; Prepurchase Elec Equip in fabrication; Anticipate Construction Award Q1 FY25/26
Kawana-Ralphine SBS Pipeline	Storage	767,250	Consultant Selection 24/25; multi year design; construction award anticipated FY28/29
Seismic Retrofit of Storage Tanks	Storage	1,057,177	Site specific geotech planned at each tank; seismic upgrades tied to Tank Recoat schedule
Ralphine Tanks Flow Thru Conversion	Storage	280,540	1st tank design underway; flow mixing system upgrades tied to Tank Recoat schedule
Mirabel Collector Wells Pump Hoist Upgrades	Common	2,431,357	Design agrmt anticipated Q3 FY24/25; construction award anticipated Q4 FY25/26
Mirabel/Wohler Storage Building	Common	411,130	Design Advancing; CEQA/permitting commencing Q4 FY24/25; Anticipate award FY26/27
River Diversion Structure (RDS) Upgrade Project	Common	4,000,000	Design Advancing; Anticipate award in FY25/26
Occidental Road Well	Common	920,949	Well drilling contract complete FY23/24; topside design complete FY24/25; construction award in Q4 FY24/25
Sebastopol Road Well	Common	707,215	Construction ongoing; delays in electrical equipment delivery; Substantial Completion anticipated Q4 FY24/25
Todd Rd Well Discharge Connection	Common	597,110	Design and Construction award in 25/26
Warm Springs Dam Hydropower Retrofit	Common	2,322,553	Switchgear pre-purchased in FY24/25. Design being finalized; Anticipate award in Q2 FY25/26
Water Treatment System Modernization - Phase 1	Common	526,880	Design agrmt anticipated Q4 FY24/25; construction award anticipated FY26/27
Water Treatment System Modernization - Phase 3 (River Road)	Common	1,008,905	Land acquisition being explored in FY25/26
	TOTAL	18,280,420	
	Santa Rosa AQ	130,247	
	Petaluma AQ	3,119,107	
	Sonoma AQ	-	
	Storage	2,104,967	
	Common	12,926,099	
		18,280,420	

**Sonoma County Water Agency**  
**Fiscal Year 2025/2026 Draft Water Transmission Budget and Rates**

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Fiscal Year 2025/2026

Prime Contractor Rates Summary

	CHARGE PER ACRE FOOT:						
	Santa Rosa	Petaluma	Sonoma				Percent Change
	Aqueduct	Aqueduct	Aqueduct	FY24-25 SR	Pet	Son	
O&M Charge [4.2]	\$1,029.16	\$1,029.16	\$1,029.16	\$1,015.39	\$1,015.39	\$1,015.39	1.36%
Water Management Planning Sub-charge [4.13]	4.57	4.57	4.57	\$0.35	\$0.35	\$0.35	1206.12%
Watershed Planning/Restoration Sub-charge [4.14]	45.71	45.71	45.71	\$40.04	\$40.04	\$40.04	14.14%
Recycled Water & Local Supply Sub-charge [4.15]	0.14	0.14	0.14	\$0.00	\$0.00	\$0.00	N/A
Water Conservation Sub-charge [4.16]	63.83	63.83	63.83	\$59.55	\$59.55	\$59.55	7.20%
O&M Charge	\$1,143.41	\$1,143.41	\$1,143.41	\$1,115.33	\$1,115.33	\$1,115.33	2.52%
Storage and Common Bond & Loan Charges	246.45	246.45	246.45	\$162.69	\$162.69	\$162.69	51.49%
Petaluma Aqueduct Bond Charge		15.66			\$0.00		N/A
Sonoma Aqueduct Bond Charge			144.56			\$145.49	-0.64%
PRIME CONTRACTORS	\$1,389.86	\$1,405.52	\$1,534.42	\$1,278.02	\$1,278.02	\$1,423.51	8.75%
Capital Charges - to build fund balance for future projects	11.00	0.00	34.90	\$11.00	\$0.00	\$34.90	0.00%
PRIME CONTRACTORS	11.00	0.00	34.90	\$11.00	\$0.00	\$34.90	0.00%
TOTAL PRIME CONTRACTORS	\$1,400.86	\$1,405.52	\$1,569.32	\$1,289.02	\$1,278.02	\$1,458.41	8.68%
Increase from Fiscal Year 2024/2025	8.68%	9.98%	7.60%	9.88%	9.98%	8.14%	
With No Capital Charge	7.82%	9.98%	5.21%				

Deliveries:

	12-month	36-month
FY16-17	40,524	
FY17-18	41,446	
FY18-19		41,768
FY19-20		43,870
FY20-21	43,707	
FY21-22		46,095
FY22-23		45,748
FY23/24	41,847	
FY24-25		42,826
FY25-26		42,407

**Fiscal Year 2025/2026**

**Prime Contractor Rates Summary**

***CHARGE PER ACRE FOOT:***  
**Petaluma AQ**

	<b>NMWD</b>	<b>NMWD</b>	<b>Percent Change</b>
	<b>FY25-26</b>	<b>FY24-25</b>	
<b>O&amp;M Charge [4.2]</b>	\$1,029.16	\$1,015.39	1.36%
<b>Water Management Planning Sub-charge [4.13]</b>	4.57	0.35	1206.12%
<b>Watershed Planning/Restoration Sub-charge [4.14]</b>	45.71	40.04	14.14%
<b>Recycled Water &amp; Local Supply Sub-charge [4.15]</b>	0.14	0.00	N/A
<b>Water Conservation Sub-charge [4.16]</b>	63.83	\$59.55	7.20%
<b>O&amp;M Charge</b>	<b>\$1,143.41</b>	<b>\$1,115.33</b>	<b>2.52%</b>
<b>North Marin Bond &amp; Loan Charge [4.9]</b>	148.66	90.54	64.19%
<b>Russian River Conservation Charge [4.18 (a)]</b>	160.41	159.28	0.71%
<b>Russian River Projects Charge [4.18 (b)]</b>	20.00	20.00	0.00%
<b><i>TOTAL NMWD</i></b>	<b><i>\$1,472.47</i></b>	<b><i>\$1,385.15</i></b>	<b><i>6.30%</i></b>

	<b>Rates</b>	<b>Rate Increase</b>
Town of Windsor	1,400.86	8.68%
Town of Windsor (Diverted Water)	114.26	14.32%
NMWD	1,472.48	6.30%
MMWD	1,740.53	8.10%

WATER TRANSMISSION SYSTEM  
FY25-26 WATER CHARGES PER ACRE-FOOT  
FOR PRIME CONTRACTORS

FISCAL YEAR	SANTA ROSA AQUEDUCT	% INCR. (DECR.)	PETALUMA AQUEDUCT	% INCR. (DECR.)	SONOMA AQUEDUCT	% INCR. (DECR.)
2025 - 2026	1400.86	8.68%	1405.52	9.98%	1569.32	7.60%
2024 - 2025	1289.02	9.88%	1278.02	9.98%	1458.41	8.14%
2023 - 2024	1173.09	10.56%	1162.09	9.42%	1348.67	10.56%
2022 - 2023	1061.04	6.05%	1062.04	6.15%	1219.90	6.52%
2021 - 2022	1000.46	3.47%	1000.46	3.47%	1145.18	3.43%
2020 - 2021	966.95	5.30%	966.95	5.30%	1107.21	5.57%
2019 - 2020	918.30	4.60%	918.30	4.60%	1048.80	4.77%
2018 - 2019	877.88	3.67%	877.88	3.67%	1001.06	5.98%
2017 - 2018	846.78	4.98%	846.78	4.98%	944.56	5.58%
2016 - 2017	806.59	5.98%	806.59	5.98%	894.62	6.94%
2015 - 2016	761.05	4.16%	761.05	4.16%	836.55	5.46%
2014 - 2015	730.68	3.60%	730.68	3.60%	793.24	3.19%
2013 - 2014	705.30	4.95%	705.30	4.95%	768.75	3.84%
2012 - 2013	672.03	5.98%	672.03	5.98%	740.34	5.26%
2011 - 2012	634.11	5.00%	634.11	5.00%	703.33	4.28%
2010 - 2011	603.92	6.93%	603.92	6.93%	674.47	8.42%
2009 - 2010	564.78	19.88%	564.78	10.50%	622.11	27.95%
2008 - 2009	471.13	6.66%	511.13	10.71%	486.22	7.22%
2007 - 2008	441.70	2.41%	461.70	2.31%	453.49	2.46%
2006 - 2007	431.29	4.51%	451.29	4.30%	442.60	4.26%

**WATER TRANSMISSION SYSTEM  
FY25-26 REVENUE SUMMARY CHART**

WATER CUSTOMER	FY25-26 Budgeted Water Use (Acre-Feet)	FY24-25 Rate \$/Acre-Foot	FY25-26 Proposed Rate \$/Acre-Foot	Dollar Change	Percent Change
Santa Rosa Aqueduct	15,733	\$1,289.02	\$1,400.86	\$111.84	8.68%
Petaluma Aqueduct	8,949	1,278.02	1,405.52	127.50	9.98%
Sonoma Aqueduct	3,565	1,458.41	1,569.32	110.91	7.60%
North Marin Water District	5,357	1,385.15	1,472.48	87.33	6.30%
Marin Municipal – Fourth Off Peak	4,300	1,610.09	1,740.53	130.44	8.10%
Marin Municipal – Supplemental	2,568	1,610.09	1,740.53	130.44	8.10%
Forestville Aqueduct	351	1,289.02	1,400.86	111.84	8.68%
Wholesale/Municipal	965	1,750.08	1,883.18	133.10	7.61%
Surplus	96	1,338.40	1,372.09	33.69	2.52%
Windsor	522	1,289.02	1,400.86	111.84	8.68%
<b>TOTAL</b>	42,407				



# SONOMA COUNTY WATER AGENCY RATES FOR WATER DELIVERIES IN FY25-26

[x] ESTIMATED [ ] OFFICIAL

## CHARGE PER ACRE FOOT:

	Santa Rosa Aqueduct	Petaluma Aqueduct	Sonoma Aqueduct
<b>PRIME CONTRACTORS</b>			
<u>O&amp;M Charge [4.2]</u>	\$1,029.16	\$1,029.16	\$1,029.16
Water Management Planning Sub-charge [4.13]	\$4.57	\$4.57	\$4.57
Watershed Planning/Restoration Sub-charge [4.14]	\$45.71	\$45.71	\$45.71
Recycled Water & Local Supply Sub-charge [4.15]	\$0.14	\$0.14	\$0.14
Water Conservation Sub-charge [4.16]	\$63.83	\$63.83	\$63.83
O&M Charge	\$1,143.41	\$1,143.41	\$1,143.41
 <u>Bond &amp; Loan Charges - to pay for existing debt service</u>			
Storage Facilities Capital Charge [4.7]	50.09	50.09	50.09
Common Facilities Capital Charge [4.8]	196.36	196.36	196.36
Petaluma Aqueduct Facilities Capital Charges [4.6 b]		15.66	
Sonoma Aqueduct Facilities Capital Charges [4.6 b]			144.56
<b>Total Bond &amp; Loan Charges</b>	246.45	\$262.11	\$391.01
 <i>Discretionary:</i>			
<u>Aqueduct Capital Charges - to build fund balance for future projects</u>			
Aqueduct Facilities Capital Charges [4.6 e]	11.000	0.00	34.90
LRT2 - included in Recycled Water & Local Supply Sub-Charge above.			
<b>TOTAL PRIME CONTRACTORS</b>	<b>\$1,400.86</b>	<b>\$1,405.52</b>	<b>\$1,569.32</b>
Charge without LRT2 and voluntary AQ Capital Charge	\$1,389.86	\$1,405.52	\$1,534.42
<b>OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES</b>			
<b><u>(WATER CO'S &amp; PUBLIC AGENCIES)</u></b>			
O&M Charge	\$1,143.41	\$1,143.41	\$1,143.41
Capital Charges	246.45	262.11	391.01
Aqueduct Facilities Capital Charge [4.12]	\$493.32	\$477.66	\$348.76
<b>TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12)</b>	<b>\$1,883.18</b>	<b>\$1,883.18</b>	<b>\$1,883.18</b>
<b>(120% OF HIGHEST PRIME)</b>			
<b>FORESTVILLE</b>			
O&M Charge [4.2] *	\$1,029.16		
Water Management Planning Sub-charge [4.13]	\$4.57		
Watershed Planning/Restoration Sub-charge [4.14]	\$45.71		
Recycled Water & Local Supply Sub-charge [4.15]	\$0.14		
Water Conservation Sub-charge [4.16]	\$63.83		
O&M Charge	\$1,143.41		
<u>Bond &amp; Loan Charges - to pay for existing debt service</u>			
Aqueduct Facilities Capital Charges [4.6]	11.00		
Storage Facilities Capital Charge [4.7]	50.09		
Common Facilities Capital Charge [4.8]	196.36		
<b>Total Capital Charges</b>	257.45		
<b>TOTAL FORESTVILLE</b>	<b>\$1,400.86</b>		
* Forestville Water District was exempt from Santa Rosa Aqueduct sub-charge from FY 06/07 to FY 16/17 [4.12].			
<b>NORTH MARIN WATER DISTRICT</b>			
O&M Charge		\$1,143.41	Note: N. Marin pays bond and loan charge in lieu of Capital Charge.
North Marin Bond & Loan Charge [4.9]		148.66	
Russian River Conservation Charge [4.18 (a)]		160.41	
Russian River Projects Charge [4.18 (b)]		20.00	
<b>TOTAL NORTH MARIN WATER DISTRICT</b>		1,472.48	
<b>FOURTH OFF-PEAK (MARIN MUNICIPAL)</b>			
Highest Prime on SR and PET AQ x 1.11		\$1,560.12	
Russian River Conservation Charge		160.41	
Russian River Projects Charge		20.00	
<b>TOTAL FOURTH OFF-PEAK</b>		\$1,740.53	
<b>SUPPLEMENTAL (MARIN MUNICIPAL)</b>			
Highest Prime on SR and PET AQ x 1.11		\$1,560.12	
Russian River Conservation Charge		160.41	
Russian River Projects Charge		20.00	
<b>TOTAL SUPPLEMENTAL</b>		\$1,740.53	
<b>SURPLUS</b>			
Non-Municipal / Municipal [4.11 (a)]	\$1,372.09	\$1,372.09	\$1,372.09
<b>(120% of O&amp;M Charge)</b>			
<b>Town of Windsor</b>			
		\$1,400.86	
Beginning in FY22/23 all water delivered to Town of Windsor is charged at the Santa Rosa Aqueduct rate [4.17 (a)]. Town of Windsor pays all subcharges [4.13, 4.14, 4.15, and 4.16] on all water they divert from the Russian River using their equipment [4.17 (b)].			
	\$1,400.86		

The applicable section of the Restructured Agreement has been indicated in brackets.

**FY 2025-26 BUDGET**  
**SONOMA COUNTY WATER AGENCY**  
*Operations and Maintenance Rate Computation*

**O & M REVENUE REQUIREMENT**

**FY25-26    ESTIMATED FISCAL YEAR EXPENDITURES** \$67,783,211

**LESS:**

Depreciation Amortization	7,569,000
Investment Income, Interest on Pooled Cash, Charges for Services	211,651
Power Sales	100,000
PWRPA Pre-paid Expense - FY 08/09 Rate Reduction- <i>One time only</i>	
<b>"Mandatory Prudent Reserve" charge</b>	
Use of Fund Balance	
Recycled Water funds (Sub-object 7277) taken from special reserve	0
Transfers Out	14,346,472

REVENUE REQUIREMENT (Net Expenditures)	\$45,556,088
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**O & M ACRE FOOT BASE**

DELIVERIES:	42,407.3
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**LESS:**

Marin Municipal	6,868.3
Surplus (Irrigation)	96.3

TOTAL BASE DELIVERIES	35,442.7
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**O & M RATE COMPUTATION:**

Rate = Revenue Requirement - (Marin Municipal Deliveries x 1.11 x 0.92568 x Highest Prime Rate  
on Petaluma or Santa Rosa Aqueduct - Subfunds)  
Total Deliveries - Surplus Deliveries - Marin Muni Deliveries

$$= \frac{45,556,088 - (4,300.00 \times 1326.78) - (2,568.26 \times 1326.78)}{42,407.3 - 96.3 - 6,868.3}$$

\* = **1,029.16**

**FY25-26**  
**Proposed Water Rates**

	<b><u>FY24-25</u></b>	<b><u>FY25-26</u></b>	
	<b>(Actual)</b>	<b>(Proposed)</b>	<b>% Change</b>
O&M Charge	1015.39	1029.16	1.36%
Water Management Planning Sub-Charge	0.35	4.57	1206.1%
Watershed Planning/Restoration Sub-Charge	40.04	45.71	14.14%
Recycled Water Sub-Charge	0.00	0.14	N/A
Water Conservation Sub-Charge	59.55	63.83	7.20%
<b>Total O&amp;M Charge</b>	<b>1115.33</b>	<b>1143.42</b>	<b>2.52%</b>

**Santa Rosa Aqueduct Rate**

O&M Charge	1115.33	1143.41	2.52%
Aqueduct Facilities Capital Charges [4.6 e]	11.00	11.00	0.0%
Storage Facilities Capital Charge [4.7]	31.47	50.09	59.20%
Common Facilities Capital Charge [4.8]	131.22	196.36	49.64%
<b>TOTAL</b>	<b>1289.02</b>	<b>1400.85</b>	<b>8.68%</b>

**Petaluma Aqueduct Rate**

O&M Charge	1115.33	1143.41	2.52%
Aqueduct Facilities Capital Charges [4.6 e]	0.00	0.00	N/A
Storage Facilities Capital Charge [4.7]	31.47	50.09	59.20%
Common Facilities Capital Charge [4.8]	131.22	196.36	49.64%
Petaluma Aqueduct Facilities Capital Charges [4.6]	0.00	15.66	N/A
<b>TOTAL</b>	<b>1278.02</b>	<b>1405.51</b>	<b>9.98%</b>

**Sonoma Aqueduct Rate**

O&M Charge	1115.33	1143.41	2.52%
Aqueduct Facilities Capital Charges [4.6 e]	34.90	34.90	0.0%
Storage Facilities Capital Charge [4.7]	31.47	50.09	59.20%
Common Facilities Capital Charge [4.8]	131.22	196.36	49.64%
Sonoma Aqueduct Facilities Capital Charges [4.6]	145.49	144.56	-0.64%
<b>TOTAL</b>	<b>1458.41</b>	<b>1569.31</b>	<b>7.60%</b>

**SONOMA COUNTY WATER AGENCY**  
**RUSSIAN RIVER CONSERVATION CHARGE COMPUTATION**

**FISCAL YEAR 2025-26**

**PROPERTY ASSESSMENT VALUES AS OF FY24-25:**

<u>TAX CODE</u>	<u>ENTITY</u>	<u>SECURED</u>	<u>UNSECURED</u>	<u>TOTAL VALUE</u>
14000	Forestville Co Water District	569,038,799	3,309,543	\$572,348,342
42800	City of Cotati	1,458,559,933	34,271,987	1,492,831,920
43500	City of Petaluma	13,229,983,942	518,268,914	13,748,252,856
43800	City of Rohnert Park	7,486,674,091	166,266,919	7,652,941,010
44500	City of Santa Rosa	31,834,749,820	1,075,283,013	32,910,032,833
45000	City of Sonoma	3,711,593,808	124,511,392	3,836,105,200
N/A	Valley of the Moon Water District	4,666,087,332	21,195,044	4,687,282,376
<b>TOTAL</b>		<b>\$62,956,687,725</b>	<b>\$1,943,106,812</b>	<b>\$64,899,794,537</b>

**Notes:**

- 1 Total value of secured and unsecured property in service areas of Prime Water Contractors of Sonoma County (see above) \$64,899,794,537
- 2 2016-17 Sonoma County tax rate per \$100 of full cash value assessed for payment of Warm Springs Dam Project Obligations 0.007
- 3 Total tax levied on citizens residing in service areas of Prime Water Contractors of Sonoma County, i.e., (Line 1/100) x Line 2 \$4,542,986
- 4 Total acre feet of water delivered to Prime Water Contractors of Sonoma County (excluding North Marin and Town of Windsor) plus deliveries to Forestville during the prior 12 month period ending March 31. 28,320.40
- 5 Total Russian River Conservation Charge per Acre Foot (Line 3 / Line 4) \$160.41

**Russian River Projects Charge**  
Historical calculations

**RR Conservation Charge**  
Historical calculations

For FY	Calculated	Actual Charge	
06-07	17.02	\$17.02	\$48.33
07-08	21.4	\$20.00	\$52.70
08-09	25.08	\$20.00	\$58.44
09-10	24.68	\$20.00	\$57.70
10-11	24.4	\$20.00	\$74.62
11-12	23.44	\$20.00	\$72.27
12-13	20.38	\$20.00	\$72.08
13-14	14.72	\$14.72	\$63.30
14-15	8.72	\$8.72	\$63.90
15-16	12.39	\$12.39	\$69.38
16-17	12.96	\$12.96	\$78.73
17-18	13.08	\$13.08	\$105.78
18-19	9.13	\$9.13	\$109.75
19-20	8.34	\$8.34	\$102.09
20-21	8.68	\$8.68	\$106.12
21-22	10.63	\$10.63	\$115.94
22-23	13.92	\$13.92	\$115.36
23-24	15.79	\$15.79	\$137.33
24-25	20.37	\$20.00	\$159.28
25-26	26.85	\$20.00	\$160.41

**SCHEDULE OF WATER DELIVERIES BY AQUEDUCT  
PAST 36 MONTHS / 12 MONTHS AVERAGE**

		DELIVERING AQUEDUCT				Monthly Total
		Santa Rosa	Petaluma	Forestville	Sonoma	
36	Jan-22	1073.2	1423.2	18.6	205.2	2,720.2
35	Feb-22	1041.5	1861.2	20.0	195.4	3,118.1
34	Mar-22	1227.5	2175.2	26.0	237.7	3,666.4
33	Apr-22	1233.9	2107.2	24.0	250.7	3,615.8
32	May-22	1649.3	2923.1	33.1	378.7	4,984.0
31	Jun-22	1448.3	2456.3	33.3	380.6	4,318.5
30	Jul-22	1415.9	1538.8	34.9	358.4	3,348.0
29	Aug-22	1752.9	1762.2	44.6	382.9	3,942.7
28	Sep-22	1459.2	1453.6	35.2	277.2	3,225.2
27	Oct-22	1430.9	1549.8	30.9	274.3	3,285.8
26	Nov-22	1132.2	1427.5	23.3	231.8	2,814.8
25	Dec-22	1091.1	1487.9	18.5	210.2	2,807.7
24	Jan-23	1111.4	1374.6	24.5	240.3	2,750.7
23	Feb-23	976.6	1058.4	18.4	171.8	2,225.2
22	Mar-23	1055.7	946.1	19.2	147.2	2,168.1
21	Apr-23	872.7	665.8	20.7	166.8	1,726.0
20	May-23	1388.0	1896.0	30.3	328.2	3,642.6
19	Jun-23	1413.1	2301.5	31.4	348.8	4,094.8
18	Jul-23	1853.3	2813.1	42.0	456.0	5,164.4
17	Aug-23	1832.4	2669.5	42.4	452.9	4,997.1
16	Sep-23	1552.3	2229.6	34.3	427.0	4,243.2
15	Oct-23	1600.8	2423.0	33.1	410.8	4,467.7
14	Nov-23	1201.5	1505.0	25.3	225.0	2,956.7
13	Dec-23	1039.9	1196.3	19.2	152.3	2,407.7
12	Jan-24	1173.5	1254.9	22.6	212.5	2,663.4
11	Feb-24	1024.7	975.2	18.9	127.5	2,146.4
10	Mar-24	980.2	936.0	17.6	110.9	2,044.8
9	Apr-24	1091.5	1320.5	24.3	177.1	2,613.3
8	May-24	1395.6	1587.3	28.8	315.9	3,327.6
7	Jun-24	1613.2	2179.8	37.4	454.2	4,284.6
6	Jul-24	2216.4	3252.1	52.3	574.4	6,095.3
5	Aug-24	1855.3	2751.7	41.3	400.2	5,048.5
4	Sep-24	1964.3	2830.7	45.1	427.5	5,267.6
3	Oct-24	1685.8	2692.0	38.3	411.4	4,827.5
2	Nov-24	1033.3	1769.2	21.6	290.7	3,114.7
1	Dec-24	1168.1	1623.6	22.9	281.7	3,096.4
<b>Total Deliveries</b>		49,055.4	66,417.7	1,054.3	10,694.4	127,221.8
<b>3-Year Annual Average</b>		16,351.8	22,139.2	351.4	3,564.8	42,407.3
<b>Past 12 Months</b>		17,201.9	23,173.0	371.2	3,784.2	44,530.2
Total Deliveries		49,055.4	66,417.7	1,054.3	10,694.4	127,221.8
Less: North Marin			16,070.9			16,070.9
Marin Municipal			20,604.8			20,604.8
<b>Sonoma Co. Deliveries</b>		49,055.4	29,742.0	1,054.3	10,694.4	90,546.1
<b>3-Year Annual Average</b>		16,351.8	9,914.0	351.4	3,564.8	30,182.0

**SONOMA COUNTY WATER AGENCY**  
**SCHEDULE OF ACTUAL PRIOR 12 MONTHS WATER DELIVERIES IN ACRE FEET (BY CUSTOMER TYPE)**  
**JANUARY THROUGH DECEMBER**

**SONOMA COUNTY WATER AGENCY**  
**ACTUAL WATER DELIVERY DISTRIBUTION BY AQUEDUCT (ACRE FEET)**  
**PRIOR 12 MONTHS**

Aqueduct No.	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	TOTAL	**** DELIVERING AQUEDUCT ****			
														Santa Rosa	Petaluma	Sonoma	TOTAL
<b>PRIMES</b>														<b>DELIVERED TO:</b>			
1 City of Santa Rosa	1,121.6	973.1	911.6	1,031.8	1,328.6	1,536.9	2,078.3	1,731.2	1,845.1	1,595.0	950.8	1,090.6	16,194.6	<b>CITY OF SANTA ROSA (A)</b>			
2 City of Petaluma	469.0	401.8	357.1	506.3	630.0	709.3	955.9	757.5	817.9	740.6	469.9	498.4	7,313.7	Jan 2024	965.5	0.0	156.1
2 North Marin Water Dist.	424.0	360.7	358.5	488.9	628.2	697.6	891.4	632.2	923.7	751.5	459.8	477.8	7,094.5	Feb 2024	829.3	0.0	143.7
2 City of Rohnert Park	165.9	156.2	172.0	226.7	241.3	279.2	383.7	304.2	303.6	275.4	169.7	206.5	2,884.3	Mar 2024	766.5	0.0	145.1
2 City of Cotati	28.1	24.9	23.9	40.7	52.8	63.7	85.8	71.5	71.2	62.2	32.9	33.3	590.9	Apr 2024	825.0	0.0	206.8
1 Town of Windsor	38.6	38.4	56.9	36.9	36.0	39.9	50.5	52.0	51.8	44.3	38.5	38.9	522.4	May 2024	1,103.4	0.0	225.2
4 City of Sonoma	98.3	83.1	74.7	126.2	168.2	201.2	267.7	184.0	194.9	169.4	123.3	108.1	1,799.0	Jun 2024	1,425.0	0.0	111.9
4 Valley of the Moon Dist.	97.9	32.4	26.1	38.4	126.6	231.2	277.1	193.2	209.7	221.4	154.9	163.7	1,772.5	Jul 2024	1,689.2	0.0	389.1
TOTAL PRIMES	2,443.4	2,070.5	1,980.8	2,495.9	3,211.6	3,758.8	4,990.4	3,925.7	4,417.9	3,859.8	2,399.7	2,617.3	38,171.7	Aug 2024	1,352.6	0.0	378.5
<b>OTHER AGENCY CUSTOMERS</b>														Sep 2024	1,408.5	0.0	436.6
1 Cal-American Water	12.6	12.6	10.6	21.1	29.8	32.2	44.7	36.6	38.8	33.0	43.1	37.7	352.9	Oct 2024	1,258.1	0.0	336.9
2 Penngrove Water Co	11.3	10.2	9.1	11.8	16.7	18.9	23.9	19.6	20.7	18.2	10.8	11.8	183.0	Nov 2024	842.1	0.0	108.7
4 Lawndale Mutual	1.9	1.2	1.3	2.9	3.9	5.5	8.2	7.0	6.9	5.8	2.7	1.7	49.0	Dec 2024	984.1	0.0	106.5
4 Kenwood Village Water Co	2.1	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.8	0.7	0.9	1.2	9.3	<b>TOTAL SANTA ROSA</b>			
3 Forestville Co Water Dist.	22.6	18.9	17.6	24.3	28.8	37.4	52.3	41.3	45.1	38.3	21.6	22.9	371.2		13,449.5	0.0	2,745.1
1 Other Gov-Santa Rosa Aq	0.7	0.7	1.1	0.7	0.7	0.8	1.0	0.9	0.9	0.9	0.7	0.8	9.9	<b>OTHER PRIME CONTRACTORS (B)</b>			
2 Other Gov-Petaluma Aq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>CITY OF PETALUMA</b>			
4 Other Gov-Sonoma Aq	9.6	8.1	6.3	6.5	4.8	7.6	10.9	9.5	11.3	10.9	6.7	4.1	96.3	<b>NORTH MARIN WATER DISTRICT</b>			
TOTAL OTHER AGY. CUST	60.8	52.1	46.5	67.9	85.2	102.8	141.7	115.6	124.4	107.8	86.5	80.4	1,071.7	<b>CITY OF ROHNERT PARK</b>			
<b>OFF-PEAK CUSTOMERS</b>														<b>CITY OF COTATI</b>			
2 Marin Municipal	156.5	21.5	15.3	46.0	18.4	411.2	911.5	966.7	693.6	843.9	626.1	395.9	5,106.6	<b>TOWN OF WINDSOR</b>			
<b>SURPLUS CUSTOMERS</b>														<b>CITY OF SONOMA</b>			
1 Irrigation-Santa Rosa Aq	0.0	0.0	0.0	0.9	0.6	3.4	41.9	34.6	27.7	12.6	0.2	0.0	122.0	<b>VALLEY OF THE MOON DISTRICT</b>			
2 Irrigation-Petaluma Aq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<b>TOTAL OTHER PRIME CONTRACTORS</b>			
4 Irrigation-Sonoma Aq	2.7	2.3	2.2	2.6	11.9	8.3	9.8	5.8	4.0	3.4	2.3	2.9	58.1		575.5	17,830.2	3,571.4
TOTAL SURPLUS CUST.	2.7	2.3	2.2	3.5	12.4	11.7	51.7	40.4	31.8	16.0	2.5	2.9	180.2	<b>TOTAL DELIVERIES TO PRIMES</b>			
TOTAL DELIVERIES	2,663.4	2,146.4	2,044.8	2,613.3	3,327.6	4,284.6	6,095.3	5,048.5	5,267.6	4,827.5	3,114.7	3,096.4	44,530.2		14,025.0	17,830.2	6,316.5
														<b>LESS: NORTH MARIN</b>			
														<b>TOTAL SONOMA COUNTY DELIVERIES</b>			
															14,025.0	10,735.8	31,077.3

**FY 2025-26 BUDGET**  
**Water Transmission System Agency Fund**  
**ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - O&amp;M</u></b>			
1 PRIMES without Subcharges	34,477.4	1,029.16	35,482,799
2 OTHER AGENCY CUSTOMERS	965.3	1,768.92	1,707,581
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	1,326.78	5,705,138
4 MARIN MUNICIPAL (SUPPLEMENTAL)	2,568.3	1,326.78	3,407,512
5 SURPLUS CUSTOMERS	96.3	1,257.83	121,084
<b>TOTAL WATER SALES - O&amp;M</b>	42,407.3	N/A	\$46,424,114

Note: MMWD rate adjusted per Amended MMWD Water Supply Agreements Effective 7/1/15.

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	42,407.3	4.57	194,000
1b Watershed Planning/Restoration Sub-charge [4.14]	42,407.3	45.71	1,938,370
1c Recycled Water & Local Supply Sub-charge [4.15]	42,407.3	0.14	6,000
1d Water Conservation Sub-charge [4.16]	42,407.3	63.83	2,706,900
<b>TOTAL WATER SALES - Subcharges</b>	42,407.3	N/A	\$4,845,270

# FY 2025-26 BUDGET

## Water Transmission System Agency Fund

### SANTA ROSA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b>WATER SALES - O&amp;M</b>			
1 SANTA ROSA AQUEDUCT	16,351.8	1,029.16	16,828,628

### Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b>WATER SALES - Sub-charges</b>			
1a Water Management Planning Sub-charge [4.13]	16,351.8	4.57	74,804
1b Watershed Planning/Restoration Sub-charge [4.14]	16,351.8	45.71	747,415
1c Recycled Water & Local Supply Sub-charge [4.15]	16,351.8	0.14	2,314
1d Water Conservation Sub-charge [4.16]	16,351.8	63.83	1,043,752
<b>TOTAL WATER SALES - Subcharges</b>	16,351.8	N/A	\$1,868,285

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b>CAPITAL CHARGES</b>			
Aqueduct Facilities Capital Charges [4.6 e]	16,351.8	11.00	179,870
<b>BOND AND LOAN CAPITAL CHARGES</b>			
Storage Facilities Capital Charge [4.7]	16,351.8	50.09	819,101
Common Facilities Capital Charge [4.8]	16,351.8	196.36	3,210,761
Petaluma Aqueduct Facilities Capital Charges [4.6 b]	16,351.8	0.00	0
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	16,351.8	0.00	0
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	16,351.8	N/A	\$4,209,732

**TOTAL ESTIMATED REVENUE**

**\$22,906,645**



# FY 2025-26 BUDGET

## Water Transmission System Agency Fund

### PETALUMA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - O&amp;M</u></b>			
1 PETALUMA AQUEDUCT	22,139.2	1,029.16	22,784,826

### Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	22,139.2	4.57	101,280
1b Watershed Planning/Restoration Sub-charge [4.14]	22,139.2	45.71	1,011,950
1c Recycled Water & Local Supply Sub-charge [4.15]	22,139.2	0.14	3,132
1d Water Conservation Sub-charge [4.16]	22,139.2	63.83	1,413,170
<b>TOTAL WATER SALES - Subcharges</b>	22,139.2	N/A	\$2,529,532

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>CAPITAL CHARGES</u></b>			
Aqueduct Facilities Capital Charges [4.6 e]	22,139.2	0.00	0
<b><u>BOND AND LOAN CAPITAL CHARGES</u></b>			
Storage Facilities Capital Charge [4.7]	22,139.2	50.09	1,109,008
Common Facilities Capital Charge [4.8]	22,139.2	196.36	4,347,154
Petaluma Aqueduct Facilities Capital Charges [4.6 b]	22,139.2	15.66	346,697
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	22,139.2	0.00	0
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	22,139.2	N/A	\$5,802,859

**TOTAL ESTIMATED REVENUE**

**\$31,117,217**

**FY 2025-26 BUDGET**  
**Water Transmission System Agency Fund**  
**SONOMA AQUEDUCT ESTIMATED WATER DELIVERIES AND WATER SALES - O&M plus Surcharges**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - O&amp;M</u></b>			
1 SONOMA AQUEDUCT	3,564.8	1,029.16	3,668,743

**Sub-Object 4175, 4176, 4177, and 4178**

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>WATER SALES - Sub-charges</u></b>			
1a Water Management Planning Sub-charge [4.13]	3,564.8	4.57	16,308
1b Watershed Planning/Restoration Sub-charge [4.14]	3,564.8	45.71	162,941
1c Recycled Water & Local Supply Sub-charge [4.15]	3,564.8	0.14	504
1d Water Conservation Sub-charge [4.16]	3,564.8	63.83	227,544
<b>TOTAL WATER SALES - Subcharges</b>	3,564.8	N/A	\$407,297

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<b><u>CAPITAL CHARGES</u></b>			
Aqueduct Facilities Capital Charges [4.6 e]	3,564.8	34.90	124,411
<b><u>BOND AND LOAN CAPITAL CHARGES</u></b>			
Storage Facilities Capital Charge [4.7]	3,564.8	50.09	178,569
Common Facilities Capital Charge [4.8]	3,564.8	196.36	699,965
Petaluma Aqueduct Facilities Capital Charges [4.6 b]	3,564.8	0.00	0
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	3,564.8	144.56	515,315
<b>TOTAL WATER SALES - Capital &amp; Bond and Loan Charges</b>	3,564.8	N/A	\$1,518,260

**TOTAL ESTIMATED REVENUE                      \$5,594,300**

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>12,327,122</b>	<b>14,640,955</b>		<b>6,610,937</b>		

**REVENUES**

**USE OF MONEY / PROPERTY**

44002 Interest on Pooled Cash	963,245	285,142	285,142	211,651	(73,492)	(25.77%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	860,744	0	0	0	0	N/A
44109 Concessions	0	0	0	0	0	N/A
44101 Rent - Real Estate	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>1,823,989</b>	<b>285,142</b>	<b>285,142</b>	<b>211,651</b>	<b>(73,492)</b>	<b>(25.77%)</b>

**INTERGOVERNMENTAL REVENUES**

42282 State CalOES Disaster Funding	0	0	0	0	0	N/A
42284 State Cal OES Admin Allowance	0	0	0	0	0	N/A
42358 State Other Funding	0	0	0	0	0	N/A
42441 Federal FEMA Disaster Funding	0	0	0	0	0	N/A
42443 Federal FEMA Admin Allowance	0	0	0	0	0	N/A
42461 Federal Other Funding	0	0	0	0	0	N/A
42610 Other Governmental Agencies	0	0	0	0	0	N/A
42621 North Marin Water District	0	0	0	0	0	N/A
42701 Revenue Appl - PY Intergovmtl	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>

**CHARGES FOR SERVICES**

45062 Construct/Bldg Permit Rvw Svcs	0	0	0	0	0	N/A
45065 Inspection Fees	0	0	0	0	0	N/A
45223 Sewer/Water Hook up Fees	50,004	20,000	20,000	20,000	0	0.00%
45301 Charges for Services	(65,858)	0	0	0	0	N/A
45314 Sale - Power	0	100,000	100,000	100,000	0	0.00%
45315 Sale - Water, Wholesale	37,926,149	45,686,001	45,686,001	46,424,114	738,113	1.62%
45316 Water Conservation	2,270,600	2,550,140	2,550,140	2,706,900	156,760	6.15%
45323 Common Fac Rev Bond Chg	4,233,976	3,889,158	3,889,158	5,907,651	2,018,493	51.90%
45324 Storage Fac Rev Bond Chg	883,734	932,557	932,557	1,507,069	574,513	61.61%
45325 Sonoma Aqueduct Rev Bond Chg	526,308	512,337	512,337	515,315	2,979	0.58%
45326 Petaluma Aqueduct Rev Bond Chg	0	0	0	346,697	346,697	N/A
45327 Santa Rosa Aqueduct Cap Chg	321,676	299,408	299,408	309,921	10,513	3.51%
45328 Petaluma Aqueduct Cap Chg	80,658	0	0	0	0	N/A
45329 Sonoma Aqueduct Cap Chg	161,085	116,752	116,752	118,191	1,438	1.23%
45330 North Marin Rev Bond Chg	454,484	492,184	492,184	796,359	304,175	61.80%
45331 Water Mgmt Plan/Restore Chg	0	15,000	15,000	194,000	179,000	1193.33%
45332 Watershed Plan/Restore Chg	1,509,849	1,714,950	1,714,950	1,938,370	223,420	13.03%
45333 Recycled Water & Local Supply	0	0	0	6,000	6,000	N/A
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>48,352,664</b>	<b>56,328,487</b>	<b>56,328,487</b>	<b>60,890,586</b>	<b>4,562,099</b>	<b>8.10%</b>

## Section Title:

## Water Transmission System Agency Fund

## Fund/Department No:

44205

33040100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b><u>MISCELLANEOUS REVENUES</u></b>						
46027 Insurance Claims Reimbursement	0	139,834	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	4,961	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	2,458	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	6,542	0	0	0	0	N/A
46205 PY Revenue – Charges for Servi	0	0	0	0	0	N/A
46215 Other Grants	0	0	0	0	0	N/A
SUBTOTAL	13,961	139,834	0	0	0	N/A
<b><u>OTHER FINANCING SOURCES</u></b>						
47002 Sale of Capital Assets	0	0	0	0	0	N/A
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	0
<b><u>SPECIAL ITEMS</u></b>						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	0
<b>TOTAL REVENUES</b>	<b>50,190,614</b>	<b>56,753,463</b>	<b>56,613,629</b>	<b>61,102,237</b>	<b>4,488,608</b>	<b>7.93%</b>
<b>EXPENDITURES</b>						
<b><u>SERVICES AND SUPPLIES</u></b>						
51021 Communications Expense	0	0	0	0	0	N/A
51031 Waste Disposal Services	0	0	0	0	0	N/A
51032 Janitorial Services	7,104	7,000	7,000	7,400	400	5.71%
51041 Insurance - Liability	0	0	0	0	0	N/A
51042 Insurance - Premiums	0	5,000	5,000	4,000	(1,000)	(20.00%)
51061 Maintenance - Equipment	1,784,342	2,427,741	2,495,200	2,664,400	169,200	6.78%
51071 Maintenance - Bldg & Improve	60,687	0	0	0	0	N/A
51072 Landscaping Services	0	0	0	0	0	N/A
51077 Maint-Infrastructure	0	0	0	0	0	N/A
51083 VSP Premiums	0	0	0	0	0	N/A
51205 Advertising/Marketing Svc	199	5,000	5,000	5,000	0	0.00%
51209 Information Tech Svc (non ISD)	1,951	3,000	3,000	4,500	1,500	50.00%
51211 Legal Services	18,576	50,000	50,000	50,000	0	0.00%
51212 Outside Counsel - Legal Advice	286	2,500	2,500	2,500	0	0.00%
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51221 Medical/Laboratory Services	5,546	15,000	15,000	10,000	(5,000)	(33.33%)
51225 Training Services	0	0	0	0	0	N/A
51226 Consulting Services	1,749	0	0	0	0	N/A
51230 Security Services	0	2,000	2,000	2,000	0	0.00%
51231 Testing/Analysis	172,939	240,000	240,000	250,000	10,000	4.17%
51241 Outside Printing and Binding	1,164	1,500	1,500	2,000	500	33.33%
51242 Bank Charges	0	50	50	50	0	0.00%
51243 Filing Fees	150	0	0	0	0	N/A
51244 Permits/License/Fees	162,675	90,000	90,000	95,510	5,510	6.12%

## Section Title:

## Water Transmission System Agency Fund

## Fund/Department No:

44205

33040100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
51249 Other Professional Services	0	0	0	0	0	N/A
51301 Publications and Legal Notices	0	0	0	0	0	N/A
51401 Rents and Leases - Equipment	217,479	400,000	400,000	400,000	0	0.00%
51402 Rents and Leases - Heavy Eqt	577,824	400,000	400,000	575,000	175,000	43.75%
51421 Rents and Leases - Bldg/Land	0	0	0	3,991	3,991	N/A
51509 SCADA System Contributions	877,390	2,191,349	2,191,349	2,545,700	354,351	16.17%
51601 Training Services	24,545	20,000	20,000	15,000	(5,000)	(25.00%)
51602 Business Travel/Mileage	(37)	6,000	6,000	6,000	0	0.00%
51605 Private Car Expense	1,557	750	750	750	0	0.00%
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	8,380,773	19,597,668	12,031,260	9,569,421	(2,461,839)	(20.46%)
51902 Telecommunication Usage	58,258	75,000	75,000	75,000	0	0.00%
51911 Mail Services	0	150	150	150	0	0.00%
51917 District Operations Chgs	20,217,209	20,820,463	20,206,914	21,229,384	1,022,470	5.06%
51921 Equipment Usage Charges	1,619,248	1,100,000	1,100,000	1,205,000	105,000	9.55%
52021 Clothing, Uniforms, Personal	8,869	8,000	8,000	8,000	0	0.00%
52031 Food	0	500	500	500	0	0.00%
52041 Household Supplies Expense	0	0	0	0	0	N/A
52042 Janitorial Supplies	411	0	0	0	0	N/A
52043 Safety Supplies/Equipment	44,156	6,000	6,000	6,000	0	0.00%
52061 Fuel/Gas/Oil	887	75,000	75,000	75,000	0	0.00%
52063 Vehicle Parts	0	500	500	500	0	0.00%
52071 Materials and Supplies Expense	148,082	35,000	35,000	63,276	28,276	80.79%
52072 Chemicals	1,134,472	1,200,000	1,200,000	1,199,329	(671)	(0.06%)
52081 Medical/Laboratory Supplies	16,699	50,000	50,000	15,000	(35,000)	(70.00%)
52091 Memberships/Certifications	38,199	49,775	45,000	53,175	8,175	18.17%
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	6,162	7,500	7,500	7,500	0	0.00%
52112 Office Furniture/Fixtures	0	3,500	3,500	3,500	0	0.00%
52114 Freight/Postage	0	1,000	1,000	1,000	0	0.00%
52115 Books/Media/Subscriptions	1,532	500	500	500	0	0.00%
52117 Mail and Postage Supplies	6,103	5,000	5,000	5,000	0	0.00%
52141 Minor Equipment/Small Tools	141,764	200,000	200,000	200,000	0	0.00%
52142 Computer Equipment/Accessories	59	2,500	2,500	2,500	0	0.00%
52143 Computer Software/Licensing Fees	12,607	30,000	30,000	52,633	22,633	75.44%
52147 SBITA Payment Adjustments	0	0	0	0	0	N/A
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
52191 Utilities	3,404	3,500	3,500	3,500	0	0.00%
52192 Utilities - Gas/Propane	35	0	0	0	0	N/A
52193 Utilities - Electric	4,025,593	4,250,000	4,250,000	4,802,500	552,500	13.00%
52194 Utilities - Water	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>39,780,648</b>	<b>53,388,446</b>	<b>45,271,173</b>	<b>45,222,169</b>	<b>(49,004)</b>	<b>(0.11%)</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other interest Expense	0	0	0	0	0	N/A
53301 Taxes and Assessments	0	0	0	0	0	N/A
53401 Amortization Expense	3,433	83,000	83,000	83,000	0	0.00%
53402 Depreciation Expense	7,206,400	7,486,000	7,486,000	7,486,000	0	0.00%
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	0	125,000	0	0	0	N/A
53610 Other Charges	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>7,209,833</b>	<b>7,694,000</b>	<b>7,569,000</b>	<b>7,569,000</b>	<b>0</b>	<b>0.00%</b>

## Section Title:

## Water Transmission System Agency Fund

## Fund/Department No:

44205

33040100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b><u>FIXED ASSETS</u></b>						
19820 Machinery and Equipment	0	0	0	0	0	N/A
19822 Mobile Equipment	0	0	0	0	0	N/A
19824 Computer Equipment	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	0	0	0	0	0	N/A
19840 Work in Progress - Eqt	0	0	0	0	0	N/A
19841 Work in Progress - Intang	0	747,549	141,300	645,570	504,270	356.88%
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	0	747,549	141,300	645,570	504,270	356.88%
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	10,169,217	10,522,486	10,522,486	14,346,472	3,823,986	36.34%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	10,169,217	10,522,486	10,522,486	14,346,472	3,823,986	36.34%
<b><u>APPROP. FOR CONTINGENCIES</u></b>						
55011 Appropriation for Contingency	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>REMIBURSEMENTS</u></b>						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>ADMIN. CONTROL ACCOUNT</u></b>						
59004 Administrative Control Account	0	0	0	0	0	N/A
59005 Admin Control Acct Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>57,159,697</b>	<b>72,352,481</b>	<b>63,503,959</b>	<b>67,783,211</b>	<b>4,279,252</b>	<b>6.74%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Depreciation	7,209,833	7,569,000		7,569,000		
Donated Asset (Caltrans)	0					
Outstanding Encumbrances - Net Change	3,153,546	0				
Capitalized Interest	0					
Gain/Loss on disposal of fixed assets	0					
Unrealized Gain/ Loss (GASB 31)	(860,744)					
Change in Prepaid Expense	1,024					
Change in Prudent Reserve		0				
Post audit adjustments - Payables	(254,731)					
Use of Fund Balance				0		
Move CIP balance between funds	33,987					
Rounding	1					
<b>ENDING FUND BALANCE</b>	<b>14,640,955</b>	<b>6,610,937</b>		<b>7,498,963</b>		

Operations and Maintenance 44205 Fund Balance Reserve Goal  
Over/(Under) Goal

11,466,935  
(3,967,972)

**Water Transmission System Agency Fund**  
**Major Services & Supplies Expenditure Items**

Fund/Department No:

**44205**

**33040100**

	Actual FY23-24	Adopted FY24-25	Requested FY25-26	Difference	Percent Change
<u>51061 Maintenance - Equipment</u>	1,784,342	2,495,200	2,664,400	169,200	6.78%
Increase attributable to increased costs of the Pump 9 replacement offset by \$270,000 in projects that have been deferred to reduce the rate increase.					
<u>51211 Legal Services</u>	18,576	50,000	50,000	0	0.00%
Reflects five year average expenditures.					
<u>51231 Testing/Analysis</u>	172,939	240,000	250,000	10,000	4.17%
Increase associated with expanded sampling and analysis tied to the Santa Rosa Plain Wells Projects as well as additional microplastics and Perfluoroalkyl/Polyfluoroalkyl Substances (PFAS) testing.					
<u>51402 Rents and Leases - Heavy Eqt</u>	577,824	400,000	575,000	175,000	43.75%
Increase to align with FY23/24 actuals.					
<u>51509 SCADA System Contributions</u>	877,390	2,191,349	2,545,700	354,351	16.17%
Increase attributable to water transmission system's share of SCADA maintenance expenses and capital project costs.					
<u>51803 Other Contract Services</u>	8,380,773	12,031,260	9,569,421	(2,461,839)	-20.46%
Decrease attributable to deferring cathodic protection and tank recoats.					
<u>51917 District Operations Chgs</u>	20,217,209	20,206,914	21,229,384	1,022,470	5.06%
Increase is attributable to an increase in labor costs for maintenance projects, offset by projects deferred to reduce the rate increase. The majority of this increase is due to negotiated labor rates.					
<u>51921 Equipment Usage Charges</u>	1,619,248	1,100,000	1,205,000	105,000	9.55%
Reflects five year average expenditures.					
<u>52072 Chemicals</u>	1,134,472	1,200,000	1,199,329	(671)	-0.06%
Costs expected to remain stable after several years of large increases.					
<u>52193 Utilities - Electric</u>	4,025,593	4,250,000	4,802,500	552,500	13.00%
Power demand and costs expected to increase roughly 13%. The majority of this increase is associated with increased transmission and distribution costs.					

2025-26

Water Transmission System Agency Fund

51061 Maintenance - Equipment		AMOUNT
	<u>O&amp;M Routine Maintenance</u>	
1	Electrical/Instrumentation/SCADA Equipment and Supplies	400,000
2	Meter and Backflow Equipment and Supplies	150,000
3	Plains Wells Equipment and Supplies	50,000
4	Production and Treatment Equipment and Supplies	220,000
5	Transmission and Storage Equipment and Supplies	300,000
6	Warehouse Equipment and Supplies	10,000
7	Warm Springs Dam Equipment and Supplies	10,000
8	Water Operations Equipment and Supplies	50,000
	<u>O&amp;M Projects</u>	
9	Electric Vehicle Charging Station for Water Ed	15,000
10	Pump 9 Replacement	1,209,400
	<u>Emergency Management Program/Security</u>	
11	Emergency Inventory Procurement	200,000
12	TAC Emergency Coordination Committee (Grand Jury)	25,000
	<u>Other</u>	
13	Santa Rosa Plain Well Monitoring Program (SW Wells)	10,000
14	Wohler Mirabel Groundwater Monitoring	15,000
		<u>\$ 2,664,400</u>

51509 SCADA System Contributions		AMOUNT
1	SCADA System Contributions	2,545,700
		<u>\$ 2,545,700</u>



51803 Other Contract Services		AMOUNT
1	<u>O&amp;M Routine Maintenance</u> Various Routine Contracts	465,000
2	<u>Implementation</u> As-Needed Dive Services	60,000
3	Asset Management Program	250,000
4	Cathodic Protection - Maintenance	50,000
5	Cathodic Protection - Site Assessment and Design Support	50,000
6	Cathodic Protection - SR/Cotati	355,000
7	Hazardous Materials Management	50,000
8	Regional Water Supply Resiliency Implementation	250,000
9	Riverfront Park Maintenance - Regional Parks	100,000
10	Lease Agreements	35,000
11	Tank Maintenance Program	1,400,548
12	Tank Recoating Program	3,754,800
13	TPW Pavement Preservation Program	25,000
14	<u>Advocacy</u> Community Outreach Program	40,000
15	IRWM North Coast	70,000
16	Government Affairs - Legislative Program	155,000
17	<u>Studies/Planning</u> Arc Flash Studies	116,840
18	Cathodic Protection Assessment	982,733
19	Natural Hazard Reliability Study	25,000
20	Planning Studies	30,000
21	System Monitoring Program	20,000
22	Transmission System Condition Assessments	200,000
23	Water System Comprehensive Master Plan	400,000
24	Watershed Water Quality Study - LBNL	210,000
25	Watershed Water Quality Study - USGS	187,500
26	Wohler-Mirabel Flood Resilience Alternatives Evaluation	92,000
27	Wohler/Mirabel Groundwater Model Update and Supporting Stuc	20,000
		<hr/> \$ 9,569,421

## 51803 Other Contract Services & 51509 SCADA System Contributions Project Information

FY25-26

### Asset Management Program

250,000

The primary objectives of Sonoma Water's Asset Management Program (AMP) are to improve the cost-effective management of assets throughout their life cycle, promote data sharing and interconnectivity, and demonstrate fiscal responsibility. Phase 1 included review of Sonoma Water's current asset management practices, development of an AMP vision and charter, asset management framework. Phase 2 included condition assessment of the water production facilities (Mirabel & Wohler); assessment of the water tanks, booster stations, and other miscellaneous water facilities; and of several of the wastewater treatment facilities. In addition, the new Computerized Maintenance Management System (CMMS) software implementation is underway and is now live.

To date the AMP has delivered: Asset Management Framework Tech Memo; State of the Assets Tech Memos; Asset Management Implementation Plan (AMIP) Report; Asset Management Program Statement of Commitments; assessment of the water and wastewater facilities; and have begun the implementation of the CMMS software. In FY 24/25, Phase 3 will involve integrating the recommendations during Phase 2 into the full roll-out of the enterprise-wide AMP, implementing the selected CMMS software, furthering data management and integration and continuing with additional condition assessments of water and wastewater facilities. Future work for FY 24/25 and 25/26 will involve continued integration with the CMMS software. Additionally, there will be a focus on implementing the AMP. This may require hiring staff or engaging a consultant to launch the program.

### Cathodic Protection - SR/Cotati

355,000

Provide improvements to upgrade the cathodic protection system along the existing Santa Rosa Aqueduct and Russian River-Cotati Intertie. The project includes designing and constructing a new corrosion protection system to protect the pipeline from corrosion and monitor the state of the pipelines. The corrosion protection system will have a useful life of approximately 50 years, and will allow for remote assessment and data collection to quantify the condition of the pipeline and state of the cathodic protection system. The project will be constructed in two phases with a completed project that consists of 27 corrosion protection well sites and 51 test stations.

In FY 21-22, design efforts commenced and CEQA environmental review was completed for the project. In FY23-24, Sonoma Water reengaged design consultants to develop 90% plans and specifications for the Phase 1 Project and anticipated advertisement before the end of FY 24/25. Work completed in FY 23/24 and 24/25 includes electrical design, coordination and design approvals from PG&E, and land surveys of rectifier and test station locations.

Work in FY 25/26 will focus on acquisition of necessary rights-of-way to construct phase 2, environmental permitting, and developing plans and specifications for the remaining rectifier and test station locations.

### Collector 5 Structural Evaluation

-

Sonoma Water has conducted preliminary structural evaluations of the Collector buildings and hoist support structures within to support a proposed hoist load capacity increase from 10 tons to 12.5 tons. Preliminary analyses suggest the Collector 5 floor slab does not appear to be adequate for the proposed 12.5 ton hoist load or the original building load.

In FY 23/24, a preliminary structural evaluation was conducted. In FY 24/25, Sonoma Water plans on conducting more sophisticated and detailed structural evaluation possibly including finite element modeling to determine what improvements may be needed to meet loading demands.

### LHMP Program Planning

-

The LHMP program planning provides for the maintenance and update to the Local Hazard Mitigation Plan (required for FEMA funding) and the preliminary development of mitigation project concepts for the purposes of preparing grant applications and refining projected costs of projects associated with the Natural Hazard Reliability Mitigation Program.

FY 22-23 funding was used to commence development of the 2023 LHMP Update. In FY23-24, the 2023 draft LHMP Update was finalized and was submitted to CalOES for approval. In FY24-25 Sonoma Water expects to receive CalOES and FEMA approval, and funding may be needed to address comments prior to approval as well as to begin discussions and any necessary coordination with the County's Multijurisdictional LHMP update.

## **51803 Other Contract Services & 51509 SCADA System Contributions Project Information**

**FY25-26  
FY25-26**

### **Regional Water Supply Resiliency Implementation**

Retail water providers to over 600,000 people in Sonoma and Marin Counties are regionally connected through existing water supply infrastructure. Along with purchasing wholesale water from the Sonoma County Water Agency, each retail provider also has local supplies which are used to meet the demands of their customers. Although these systems are connected, they are not operated or managed in a coordinated manner, especially in times of water shortage.

Funds expended between FY 19/20 and FY24/25 for the Regional Water Supply Resiliency Study were used to build a decision support model to evaluate the region's resiliency to drought, and natural hazards such as seismic events, wildfires and flooding. Based on modeling scenarios completed for the development and evaluation of projects and strategies to improve the regions water supply reliability during periods of water supply shortage due to drought and seismic events, development of regional water banking strategies were identified as priority initiatives to pursue to improve the regions water supply resiliency. Funds budgeted for FY 24/25 and FY 25/26 will be used to implement priority recommendations from the Regional Water Supply Resiliency Study to develop a Regional Water Bank Implementation Strategy, which would provide a mechanism to integrate the most significant regional water storage facilities (Lake Sonoma, Santa Rosa Plain groundwater basin, Sonoma Valley groundwater basin, Petaluma Valley groundwater basin, Lake Stafford, and reservoirs operated and managed by Marin Water), using Sonoma Water's transmission system as the backbone. Surplus surface water during wet periods could be stored in surface reservoirs or groundwater basins and subsequently extracted during critical drought periods or emergencies thus providing improved resilience and reliability to the region. The scope of work will include (1) develop a Regional Water Bank Strategy; (2) support participant and partner benefit statements; (3) develop and apply regional water bank model; (4) support engagement and outreach; (5) develop funding approach and implementation schedule; and (6) prepare implementation strategy report.

**250,000**

### **SCADA System Contributions**

**2,545,700**

The SCADA System Contributions line-item funds the Water Transmission System's portion of routine operations and maintenance of Sonoma Water's SCADA system (including SCADA staff labor) as well as capital improvement projects.

Routine work to operate and maintain the SCADA system on an annual basis includes monitoring system performance, performing software updates and patching, maintaining and replacing hardware, troubleshooting issues, providing user training and support, assessing and revamping programming standards to accommodate new/modified processes and current technologies, and implementing new standards to streamline maintenance and operations.

In addition to annual, routine work, Sonoma Water has undertaken several capital improvement projects to improve the SCADA system over the last few years. These projects are identified in Sonoma Water's SCADA Master Plan. During FY21/22, we completed much of the background work necessary to replace Sonoma Water's entire SCADA software system. This included documenting the logic embedded in the existing SCADA system interface, duplicating that logic into a new PLC, and creating new interface graphics. In FY22/23, we began live, side-by-side testing of the new system software and completed the majority of reporting requirements for the new system. In FY23/24, we cut-over the majority of our sites to the new SCADA system and implemented additional improvements including optimizing system performance and hardware replacements and upgrades.

In FY24/25, we completed migration to the new SCADA system which includes historian, dashboards, and reporting. We also began an extensive planning effort to replace the legacy SCADA radio system. The SCADA radio system replacement design kickoff was held in December 2024. The project will include a joint-effort with Sonoma County TCOMM to improve performance and security of Sonoma Water's SCADA radio system. We also kicked-off a separate project for SCADA Network upgrades, including a focus on firewalls and related security improvements.

In FY25/26, we plan to continue making substantial investments in network equipment (firewalls, switches, routers, power supplies, and new dedicated ISP connections), and will begin replacement of legacy SCADA radio equipment.

## **51803 Other Contract Services & 51509 SCADA System Contributions Project Information**

**FY25-26**

### **Tank Maintenance Program**

**1,400,548**

Sonoma County Water Agency (Sonoma Water) owns and operates 18 water storage tanks with a total combined capacity of 128.8 million gallons as a part of the water transmission system that provides clean drinking water to approximately 600,000 residents in nine major cities and water districts within Sonoma and Marin counties. Maintaining these tanks is critical. This program covers a 10-year agreement for maintenance services with a Service Provider.

In FY 24/25 Enhanced Washout Cleaning and Inspections were conducted on 2 tanks, and Visual Inspections were conducted on 12 tanks. FY25/26 funding will be used to conduct Enhanced Washout Cleaning and Inspections on 2 tanks and Visual Inspections for remaining tanks.

### **Tank Recoating Program**

**3,754,800**

Water storage tanks are an integral component of Sonoma Water's transmission and supply system and provide operational flexibility and system supply resiliency when demand exceeds production capacity. In total, Sonoma Water's 18 welded steel water tanks provide 129 million gallons of storage, which is approximately three times the average daily system demand. Welded-steel tanks are susceptible to corrosion and have a limited functional lifespan of approximately 50 years without coatings. With regularly scheduled and targeted maintenance, monitoring, and recoating activities welded-steel tanks can attain a lifespan of over 100 years. Sonoma Water's Tank Recoating Program specifically targets the protection and maintenance of welded-steel tanks by designing and implementing tank rehabilitation projects that include interior and exterior recoating, structural repairs, and installation of cathodic protection systems to maximize the functional life of each facility.

In FY 22/23 and 23/24 Sonoma Water finalized plans and specifications, solicited bids, and entered an agreement to complete recoating Kastania and Cotati No. 1 tank. In FY 24/25 Sonoma water completed recoating at Kastania and Cotati No. 1, developed plans and specifications for Cotati No. 3, advertised for bids, and is scheduled to award the project in January of 2025. Construction is anticipated to last between March of 2025 and February of 2026. During this time, Sonoma Water will finalize plans and specifications, advertise, and enter a construction agreement to commence recoating at Ralphine No. 1 and Sonoma No. 1 tanks in FY 26/27.

### **Studies/Planning**

#### **Arc Flash Studies**

**116,840**

Arc Flash Studies and Arc Flash Labeling for electrical equipment are required to comply with NFPA 70E (National Electrical Safety Code) and OSHA requirements. Performing the study includes data collection of the electrical system, modeling, and calculations. The Code requires that Arc Flash Studies be updated on a 5-year cycle. The scope includes 28 sites in the Water System which will be completed within a 2-year period.

This update cycle began with a project kick-off in October 2024. By February 2025, data collection will be completed for 10 sites in the Water System, including the largest electrical system at Wohler and Mirabel. Draft reports for these sites will be provided in the Spring of 2025, and finalized in Summer 2025.

In the upcoming FY 25/26, studies will be completed for the 18 remaining sites.

#### **Cathodic Protection Assessment**

**982,733**

This is a new request starting in FY 25/26 to establish a long term program to operate and maintain cathodic protection systems for Sonoma Water's water infrastructure. This project seeks to improve the long-term reliability of infrastructure throughout Sonoma Water's water transmission system by evaluating the effectiveness of the existing cathodic protection systems, identifying deficiencies, and developing a strategy and program to maintain systems and implement improvements as needed.

Specific objectives of the initial assessment include:

1. Enhancing system reliability and preventing premature failure by minimizing corrosion to infrastructure.
2. Extending water transmission system infrastructure service life and avoiding the need for costly repairs.
3. Developing a cathodic protection improvement strategy which accounts for corrosion risks, mitigation feasibility, and costs.
4. Improving operational efficiency by expanding Sonoma Water's cloud-hosted Cathodic Protection monitoring system.
5. Identify program operational and maintenance needs and associated budget and staffing required for continued operation of the system.

**Natural Hazard Reliability Study****25,000**

The seismic mitigation planning study will advance feasibility evaluation and refine strategic approaches to implementing measures to mitigate failure risks of the water transmission system to specific seismic vulnerabilities identified as part of prior natural hazard reliability studies. Particular focus of the study will evaluate: 1) liquefaction mitigation solutions to protect collector wells at the Wohler-Mirabel production facilities, 2) strategies that best balance risk mitigation of aqueduct failure at numerous locations of potential seismic vulnerability against a cost-effective and timely implementation approach (including conducting a broad CPT investigation at numerous sites), and 3) analyze alternative seismic retrofit solutions at select water storage tanks.

In FY 22/23, a consultant was contracted to initiate the planning study, coordinating geotechnical investigations, and securing necessary permits and permission to enter agreements. In FY23/24, CPT investigations were performed along with seismic assessment of the water storage tanks. Preliminary design of liquefaction mitigation solution of Collector 5 was also commenced to assess feasibility of implementing a secant pile wall concept. In FY24/25, funding will be utilized to finalize the preliminary design of Collector 5, assess the feasibility to expand design concepts to other collectors, and prepare a final report. In FY25/26, funding will be utilized to update the draft Seismic Assessment of Water Storage Tanks report with site specific geotechnical data that is planned to be collected.

**Regional Water Supply Resiliency Study**

Retail water providers to over 600,000 people in Sonoma and Marin Counties are regionally connected through existing water supply infrastructure. Along with purchasing wholesale water from the Sonoma County Water Agency, each retail provider also has local supplies which are used to meet the demands of their customers. Although these systems are connected, they are not operated or managed in a coordinated manner, especially in times of water shortage.

Funds expended between FY 19/20 and FY24/25 for the Regional Water Supply Resiliency Study were used to build a decision support model to evaluate the region's resiliency to drought, and natural hazards such as seismic events, wildfires and flooding. Based on modeling scenarios completed for the development and evaluation of projects and strategies to improve the regions water supply reliability during periods of water supply shortage due to drought and seismic events, development of regional water banking strategies were identified as priority initiatives to pursue to improve the regions water supply resiliency. Funds budgeted for FY 24/25 and FY 25/26 will be used to implement priority recommendations from the Regional Water Supply Resiliency Study to develop a Regional Water Bank Implementation Strategy, which would provide a mechanism to integrate the most significant regional water storage facilities (Lake Sonoma, Santa Rosa Plain groundwater basin, Sonoma Valley groundwater basin, Petaluma Valley groundwater basin, Lake Stafford, and reservoirs operated and managed by Marin Water), using Sonoma Water's transmission system as the backbone. Surplus surface water during wet periods could be stored in surface reservoirs or groundwater basins and subsequently extracted during critical drought periods or emergencies thus providing improved resilience and reliability to the region. The scope of work will include (1) develop a Regional Water Bank Strategy; (2) support participant and partner benefit statements; (3) develop and apply regional water bank model; (4) support engagement and outreach; (5) develop funding approach and implementation schedule; and (6) prepare implementation strategy report.

## **51803 Other Contract Services & 51509 SCADA System Contributions Project Information**

**FY25-26**

### **Transmission System Condition Assessments**

**200,000**

During FY24/25, Sonoma Water under the Asset Management Program developed an Aqueduct Condition Assessment report that reviewed the water system pipeline infrastructure and developed a risk-based prioritization model for inspections. The report evaluated appropriate inspection technologies and developed an inspection projects prioritization plan. The initiation of inspection projects are planned for FY25/26.

### **Water System Comprehensive Master Plan**

**400,000**

Sonoma Water aims to develop a Comprehensive Water System Master Plan (Master Plan) to define the programs, policies, and projects required to meet the potable water infrastructure needs of Sonoma Water's service area for the next 20-years. Master Plan development will consider future system demands, current system conditions, and required system improvements. This Master Plan will yield a prioritized list of projects, serving as a guide for financial commitments needed to ensure sufficient operation of the water system's infrastructure. In FY23/24, a consultant was brought under contract and a kick off meeting was held. During FY 24/25, data was collected about the Water System and compiled into TM1 to provide a baseline. Coordination with the Water Contracts is underway and task 2 will work to provide a forecast of future water demands on the system. This FY will also begin the work of generating a basis of cost for projects and a methodology for project prioritization. During FY 25/26, the work from the previous four tasks will be used to identify deficiencies in Sonoma Water's facilities and identify various project groupings to meet long-term capital, operations, and maintenance needs for the Water System.

### **Watershed Water Quality Monitoring - USGS and LBNL**

**397,500**

Sonoma Water's riverbank filtration (RBF) facilities leverage the natural subsurface sediments to remove chemical pollutants and waterborne pathogens via filtration, adsorption, and degradation. RBF is a low cost and sustainable alternative to traditional drinking water treatment because it relies on natural filtration processes rather than a traditionally engineered water treatment system. Unlike an engineered system, the nature of RBF requires scientific study of the natural system processes to demonstrate continued efficacy amidst changing environmental pressures. Sonoma Water has funded studies in collaboration with USGS and LBNL to develop a robust scientific research program to demonstrate the efficacy of RBF to regulators, to understand the processes that contribute to the efficacy of RBF, and to identify any potential vulnerabilities (e.g., drought, wildfire, emerging contaminants of concern). Following the most recent drought, historically low water levels and reductions in collector efficiency were observed in Collector 6 during summer and fall, 2021. In response, USGS and LBNL developed a monitoring program to assess the role of Russian River streambed clogging (both microbial and physical) on observed reductions in collector efficiency at Wohler and Mirabel. Funds budgeted during FY23/24 and FY24/25 were used to deploy >40 sensors to measure streambed infiltration in the river adjacent to Collectors 1, 2, and 6, collect groundwater, surface water, and streambed water chemistry samples, and conduct geophysical surveying to better understand the development, persistence, and impacts of streambed clogging and its potential impacts on RBF. Funds budgeted for FY25/26 will be used to complete data collection and interpretation, ultimately resulting in publication of the study findings in the peer-reviewed scientific literature. Results from this study will help inform operational decision-making and improve system resilience for Sonoma Water's RBF facilities amidst drought and future climate-change impacts.

**FY 2025-26 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Water Management Planning

Fund/Department No:

44210

33041000

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>381,063</b>	<b>344,187</b>		<b>222,405</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	12,328	7,366	7,366	4,550	(2,816)	(38.23%)
44050 Unrealized Gains and Losses	13,774	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>26,102</b>	<b>7,366</b>	<b>7,366</b>	<b>4,550</b>	<b>(2,816)</b>	<b>(38.23%)</b>
<b>INTERGOVERNMENTAL REVENUE</b>						
42619 Town of Windsor	0	852	852	11,126	10,274	1206.12%
<b>SUBTOTAL</b>	<b>0</b>	<b>852</b>	<b>852</b>	<b>11,126</b>	<b>10,274</b>	<b>1206.12%</b>
<b>CHARGES FOR SERVICES</b>						
45301 Charges for Services	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	0	15,000	15,000	194,000	179,000	1193.33%
47102 Transfers In - btw Govtl Func	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>15,000</b>	<b>15,000</b>	<b>194,000</b>	<b>179,000</b>	<b>1193.33%</b>
<b>TOTAL REVENUES</b>	<b>26,102</b>	<b>23,218</b>	<b>23,218</b>	<b>209,676</b>	<b>186,458</b>	<b>803.08%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51205 Advertising Marketing	0	0	0	0	0	N/A
51211 Legal Services	142	0	0	0	0	N/A
51212 Legal Services - External	0	0	0	0	0	N/A
51241 Outside Printing & Binding	0	0	0	0	0	N/A
51601 Training/Conference Expenses	0	0	0	0	0	N/A
51602 Business Travel/Mileage	0	0	0	0	0	N/A
51605 Private Car Expense	0	0	0	0	0	N/A
51803 Other Contract Services	10,511	100,000	100,000	230,000	130,000	130.00%
51917 District Operations Chgs	19,063	45,000	45,000	120,000	75,000	166.67%
51921 Equipment Usage Charges	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>29,716</b>	<b>145,000</b>	<b>145,000</b>	<b>350,000</b>	<b>205,000</b>	<b>141.38%</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Func	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>29,716</b>	<b>145,000</b>	<b>145,000</b>	<b>350,000</b>	<b>205,000</b>	<b>141.38%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Change	(19,489)	0		0		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(13,774)	0		0		
Rounding	1					
<b>ENDING FUND BALANCE</b>	<b>344,187</b>	<b>222,405</b>		<b>82,081</b>		

**FY 2025-26 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Watershed Planning/Restoration

Fund/Department No:

44215

33041100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>12,804,811</b>	<b>10,444,099</b>		<b>3,882,765</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	422,645	119,377	119,377	71,964	(47,413)	(39.72%)
44050 Unrealized Gains and Losses	505,094	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>927,739</b>	<b>119,377</b>	<b>119,377</b>	<b>71,964</b>	<b>(47,413)</b>	<b>(39.72%)</b>
<b><u>INTERGOVERNMENTAL REVENUE</u></b>						
42461 Federal Other Funding	0	0	0	0	0	N/A
42619 Town of Windsor	91,162	97,387	97,387	111,163	13,775	14.14%
<b>SUBTOTAL</b>	<b>91,162</b>	<b>97,387</b>	<b>97,387</b>	<b>111,163</b>	<b>13,775</b>	<b>14.14%</b>
<b><u>CHARGES FOR SERVICES</u></b>						
45301 Charges for Services	0	0	0	0	0	N/A
45332 Watershed Plan/Restore Chg	61,024	40,000	40,000	40,000	0	0.00%
<b>Subtotal Charges for Service</b>	<b>61,024</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>0</b>	<b>0.00%</b>
<b><u>MISCELLANEOUS REVENUE</u></b>						
46021 Capital Grants - Federal	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warran	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Reveni	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	1,509,605	1,714,950	1,714,950	1,938,370	223,420	13.03%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>1,509,605</b>	<b>1,714,950</b>	<b>1,714,950</b>	<b>1,938,370</b>	<b>223,420</b>	<b>13.03%</b>
<b>TOTAL REVENUES</b>	<b>2,589,530</b>	<b>1,971,714</b>	<b>1,971,714</b>	<b>2,161,497</b>	<b>189,782</b>	<b>9.63%</b>
<b>EXPENDITURES</b>						
<b><u>SERVICES AND SUPPLIES</u></b>						
51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	30,542	0	0	0	0	N/A
51205 Advertising Marketing	555	0	0	0	0	N/A
51209 Information Tech Svc (non ISD	0	0	0	0	0	N/A
51211 Legal Services	12,675	0	0	0	0	N/A
51212 Legal Services - External	825	0	0	0	0	N/A
51221 Medical/Laboratory Services	0	0	0	0	0	N/A
51226 Consulting Services	0	0	0	0	0	N/A
51231 Testing/Analysis	82,656	0	0	0	0	N/A
51241 Outside Printing and Binding	186	0	0	0	0	N/A
51243 Filing Fees	150	0	0	0	0	N/A
51244 Permits/License/Fees	58,394	0	0	0	0	N/A
51401 Rents and Leases - Equipment	1,724	0	0	0	0	N/A
51402 Rents and Leases - Heavy Eqt	17,701	0	0	0	0	N/A
51601 Training/Conference	11	0	0	0	0	N/A
51602 Business Travel/Mileage	1,432	0	0	0	0	N/A
51605 Private Car Expense	1,259	0	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	1,138,718	920,101	538,000	1,993,000	1,455,000	270.45%
51902 Telecommunication Usage	0	0	0	0	0	N/A
51917 District Operations Chgs	2,600,356	5,859,709	2,423,300	2,977,370	554,070	22.86%
51921 Equipment Usage Charges	56,670	0	0	0	0	N/A



## Section Title:

Watershed Planning/Restoration

## Fund/Department No:

44215

33041100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
52021 Clothing, Uniforms, Personal	4,311	0	0	0	0	N/A
52031 Food	528	0	0	0	0	N/A
52042 Janitorial Supplies	0	0	0	0	0	N/A
52043 Safety Supplies/Equipment	0	0	0	0	0	N/A
52061 Fuel/Gas/Oil	0	0	0	0	0	N/A
52063 Vehicle Parts	0	0	0	0	0	N/A
52071 Materials and Supplies Expense	8,984	0	0	0	0	N/A
52081 Medical/Laboratory Supplies	25,488	0	0	0	0	N/A
52091 Memberships/Certifications	156	0	0	0	0	N/A
52101 Other Supplies	0	0	0	160,000	160,000	N/A
52111 Office Supplies	0	0	0	0	0	N/A
52114 Freight/Postage	0	0	0	0	0	N/A
52115 Books/Media	646	0	0	0	0	N/A
52117 Mail and Postage Supplies	88	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	1,151	0	0	0	0	N/A
52142 Computer Equipment/Accesso	0	0	0	0	0	N/A
52143 Computer Software	626	0	0	0	0	N/A
52144 Equipment Allowance	0	0	0	0	0	N/A
52181 Business Meals/Supplies	0	0	0	0	0	N/A
52191 Utilities Expense	0	0	0	0	0	N/A
52192 Utilities - Gas/Propane	56	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>4,045,890</b>	<b>6,779,810</b>	<b>2,961,300</b>	<b>5,130,370</b>	<b>2,169,070</b>	<b>73.25%</b>
<b>OTHER CHARGES</b>						
53104 Other Interest Expense	0	0	0	0	0	N/A
53402 Depreciation Expense	7,665	8,000	8,000	8,000	0	0.00%
53403 Loss - Disposed Capital Asset	56,266	0	0	0	0	N/A
53501 Contributions	144,577	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>208,507</b>	<b>8,000</b>	<b>8,000</b>	<b>8,000</b>	<b>0</b>	<b>0.00%</b>
<b>REIMBURSEMENTS</b>						
58010 Reimb. - General	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>FIXED ASSETS</b>						
19840 Acq-WIP-Equipment	16,861	0	0	0	0	N/A
19841 Acq-WIP-Intangibles	145,661	1,753,239	488,000	0	(488,000)	(100.00%)
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>162,522</b>	<b>1,753,239</b>	<b>488,000</b>	<b>0</b>	<b>(488,000)</b>	<b>(100.00%)</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Func	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>4,416,919</b>	<b>8,541,049</b>	<b>3,457,300</b>	<b>5,138,370</b>	<b>1,681,070</b>	<b>48.62%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Change	(39,631)	0				
Capital Interest	0	0				
Depreciation	7,665	8,000		8,000		
Change in prepaid expense	0	0				
Gain/loss on disposal of Capital Assets	57,972					
Unrealized Gain/ Loss (GASB 31)	(505,094)	0				
Audit Adjustment (A/P)	0	0				
Post Audit Adjustment	(54,235)					
Rounding	1	0				
<b>ENDING FUND BALANCE</b>	<b>10,444,099</b>	<b>3,882,765</b>		<b>913,891</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Recycled Water and Local Supply

Fund/Department No:

44220

33041200

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>753,070</b>	<b>(13,256)</b>		<b>(5,097)</b>		
<b><u>REVENUES</u></b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	24,385	8,158	8,158	0	(8,158)	(100.00%)
44050 Unrealized Gains and Losses	26,727	0	0	0	0	N/A
SUBTOTAL	51,112	8,158	8,158	0	(8,158)	(100.00%)
<b><u>INTERGOVERNMENTAL REVENUE</u></b>						
42358 State Other Funding	0	0	0	0	0	N/A
42619 Town of Windsor	0	0	0	344	344	N/A
SUBTOTAL	0	0	0	344	344	N/A
<b><u>CHARGES FOR SERVICES</u></b>						
45301 Charges for Services	0	0	0	0	0	N/A
45333 Recycled Water & Local Supply	33	0	0	0	0	N/A
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
SUBTOTAL	33	0	0	0	0	0
<b><u>MISCELLANEOUS REVENUE</u></b>						
46022 Capital Grants-State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	0	0	0	6,000	6,000	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	6,000	6,000	N/A
<b>TOTAL REVENUES</b>	<b>51,144</b>	<b>8,158</b>	<b>8,158</b>	<b>6,344</b>	<b>(1,814)</b>	<b>(22.24%)</b>

**EXPENDITURES**

**SERVICES AND SUPPLIES**

51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	0	0	0	0	0	N/A
51205 Advertising/Marketing Svc	0	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	0	0	0	0	0	N/A
51211 Legal Services	0	0	0	0	0	N/A
51212 Legal Services - External	0	0	0	0	0	N/A
51226 Consulting Services	0	0	0	0	0	N/A
51241 Outside Printing and Binding	0	0	0	0	0	N/A
51244 Permits/License/Fees	0	0	0	0	0	N/A
51401 Rents and Leases - Equipment	0	0	0	0	0	N/A
51601 Training Services	0	0	0	0	0	N/A
51602 Business Travel/Mileage	0	0	0	0	0	N/A
51803 Other Contract Services	240,759	0	0	0	0	N/A
51902 Telecommunication Usage	0	0	0	0	0	N/A
51915 ISD - Reprographics Services	0	0	0	0	0	N/A
51917 District Operations Chgs	472	0	0	0	0	N/A
51921 Equipment Usage Charges	0	0	0	0	0	N/A

## Section Title:

Recycled Water and Local Supply

## Fund/Department No:

44220

33041200

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
52031 Food	0	0	0	0	0	N/A
52061 Fuel/Gas	0	0	0	0	0	N/A
52101 Other Supplies	0	0	0	0	0	N/A
52115 Books/Media/Subscriptions	0	0	0	0	0	N/A
52117 Mail and Postage Supplies	0	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	0	0	0	0	0	N/A
52143 Computer Software/Licensing Fees	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
52191 Utilities Expense	0	0	0	0	0	N/A
SUBTOTAL	241,231	0	0	0	0	N/A
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53402 Depreciation Expense	5,966	6,000	6,000	6,000	0	0.00%
53501 Contributions	23,662	0	25,000	0	(25,000)	(100.00%)
SUBTOTAL	29,627	6,000	31,000	6,000	(25,000)	(80.65%)
<b>FIXED ASSETS</b>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	0	0	0	0	0	N/A
19841 Work in Progress - Intang	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>270,858</b>	<b>6,000</b>	<b>31,000</b>	<b>6,000</b>	<b>(25,000)</b>	<b>(80.65%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Change	(209,241)	0				
Change in Windsor Reserve	(208,769)	0				
Capital Interest	0	0		0		
Depreciation	5,966	6,000		6,000		
Audit Adjustment (A/P)	(107,840)	0		0		
Unrealized Gain/ Loss (GASB 31)	(26,727)	0		0		
Rounding	(1)	0				
<b>ENDING FUND BALANCE</b>	<b>(13,256)</b>	<b>(5,097)</b>		<b>1,247</b>		

**FY 2025-26 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Water Conservation

Fund/Department No:

44225

33041300

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
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<b>BEGINNING FUND BALANCE</b>	<b>398,903</b>	<b>48,878</b>		<b>65,671</b>		
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**REVENUES**

**USE OF MONEY / PROPERTY**

44002 Interest on Pooled Cash	17,139	2,563	2,563	1,806	(757)	(29.54%)
44050 Unrealized Gains and Losses	19,743	0	0	0	0	N/A
44201 Royalties	3	0	0	0	0	N/A

SUBTOTAL	36,885	2,563	2,563	1,806	(757)	(29.54%)
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**INTERGOVERNMENTAL REVENUE**

42358 State Other Funding	71,817	388,330	0	38,000	38,000	N/A
42461 Federal Other Funding	26,718	1,942,860	1,036,360	35,000	(1,001,360)	(96.62%)
42601 County of Sonoma	31,727	54,725	0	0	0	N/A
42610 Other Governmental Agencies	0	0	0	0	0	N/A
42611 City of Santa Rosa	0	0	0	0	0	N/A
42612 City of Petaluma	0	0	0	0	0	N/A
42613 City of Rohnert Park	0	0	0	0	0	N/A
42615 City of Cotati	0	0	0	0	0	N/A
42618 City of Sonoma	0	0	0	0	0	N/A
42619 Town of Windsor	137,098	144,816	144,816	155,237	10,421	7.20%
42621 North Marin Water District	0	0	0	0	0	N/A

SUBTOTAL	267,361	2,530,731	1,181,176	228,237	(952,939)	(80.68%)
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**CHARGES FOR SERVICES**

45301 Charges for Services	44,706	42,000	42,000	42,000	0	0.00%
45316 Water Conservation	1,555	0	0	0	0	N/A

SUBTOTAL	46,262	42,000	42,000	42,000	0	0.00%
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**MISCELLANEOUS REVENUE**

46021 Capital Gains - Federal	0	0	0	0	0	N/A
46022 Capital Grants - State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	58,000	58,000	316,000	258,000	444.83%
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	0	0	0	0	N/A
46204 PY Intergovmntl Rev - Other	14,498	0	0	0	0	N/A
46215 Other Grants	0	0	0	0	0	N/A

SUBTOTAL	14,498	58,000	58,000	316,000	258,000	444.83%
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**OTHER FINANCING SOURCES**

47101 Transfers In - within a Fund	2,270,233	2,550,140	2,550,140	2,706,900	156,760	6.15%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A

SUBTOTAL	2,270,233	2,550,140	2,550,140	2,706,900	156,760	6.15%
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<b>TOTAL REVENUES</b>	<b>2,635,239</b>	<b>5,183,434</b>	<b>3,833,879</b>	<b>3,294,943</b>	<b>(538,936)</b>	<b>(14.06%)</b>
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**EXPENDITURES**

**SERVICES AND SUPPLIES**

51021 Communication Expense	0	0	0	0	0	N/A
51032 Janitorial Services	0	0	0	0	0	N/A
51061 Maintenance - Equipment	9,105	0	0	0	0	N/A
51071 Maintenance - Bldg & Improve	0	0	0	0	0	N/A
51205 Advertising/Marketing Svc	39,143	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	775	0	0	0	0	N/A

## Section Title:

Water Conservation

## Fund/Department No:

44225

33041300

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
51211 Legal Services	639	0	0	0	0	N/A
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51225 Training Services	0	0	0	0	0	N/A
51230 Security Services	0	0	0	0	0	N/A
51241 Outside Printing and Binding	34,534	41,000	41,000	41,000	0	0.00%
51244 Permits/License	0	0	0	0	0	N/A
51249 Other Professional Services	0	0	0	0	0	N/A
51250 Planning/Mapping/Inspections	0	0	0	0	0	N/A
51301 Publications and Legal Notices	0	0	0	0	0	N/A
51401 Rents and Leases - Equipment	2,640	0	0	0	0	N/A
51601 Training Services	5,896	0	0	0	0	N/A
51602 Business Travel/Mileage	0	13,000	13,000	13,000	0	0.00%
51605 Private Car Expense	525	0	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	187,748	650,000	236,000	498,400	262,400	111.19%
51902 Telecommunication Usage	0	0	0	0	0	N/A
51915 ISD Reprographics Services	0	0	0	0	0	N/A
51917 District Operations Chgs	2,515,538	2,214,151	2,200,000	2,500,000	300,000	13.64%
51921 Equipment Usage Charges	26,408	0	0	0	0	N/A
52021 Clothing, Uniforms	0	0	0	0	0	N/A
52031 Food	753	0	0	0	0	N/A
52042 Janitorial Supplies	0	0	0	0	0	N/A
52043 Safety Supplies/Equipment	0	0	0	0	0	N/A
52061 Fuel/Gas/Oil	0	0	0	0	0	N/A
52071 Materials and Supplies Expense	31,508	93,500	93,500	81,000	(12,500)	(13.37%)
52091 Memberships/Certifications	5,974	12,000	12,000	6,000	(6,000)	(50.00%)
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	1,107	0	0	0	0	N/A
52112 Office Furniture/Fixtures	0	0	0	0	0	N/A
52114 Freight/Postage	0	0	0	0	0	N/A
52115 Books/Media/Subscriptions	3,827	0	0	0	0	N/A
52117 Mail and Postage Supplies	216	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	1,602	0	0	0	0	N/A
52142 Computer Equipment/Accessories	0	0	0	0	0	N/A
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	30,000	243,000	273,000	166,500	(106,500)	(39.01%)
52181 Business Meals/Supplies	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>2,897,937</b>	<b>3,266,651</b>	<b>2,868,500</b>	<b>3,305,900</b>	<b>437,400</b>	<b>15.25%</b>
<b>OTHER CHARGES</b>						
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	62,497	2,299,990	1,026,000	0	(1,026,000)	(100.00%)
53502 Community Grants	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>62,497</b>	<b>2,299,990</b>	<b>1,026,000</b>	<b>0</b>	<b>(1,026,000)</b>	<b>(100.00%)</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>2,960,433</b>	<b>5,566,641</b>	<b>3,894,500</b>	<b>3,305,900</b>	<b>(588,600)</b>	<b>(15.11%)</b>

## Adjustments to Reserves/Encumbrances:

Outstanding Encumbrances - Net Char	(77,903)	0	0
Change in Windsor Reserve	(121,784)	400,000	0
Change in Prepaid Expense	6,500	0	0
Unrealized Gain/ Loss (GASB 31)	(19,743)	0	0
Post Audit Adjustment	188,098	0	0
Rounding	2	0	0

<b>ENDING FUND BALANCE</b>	<b>48,878</b>	<b>65,671</b>	<b>54,714</b>
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## Water Transmission Budget

2025-26

### Itemized Detail for Subfunds Consulting/Contractual Services

Budget  
FY25-26

#### Water Management Planning

Annual Water Supply and Demand Assessment: Develop scope, cost, and schedule to complete a water supply and demand analysis and preparation and submittal of the required Annual Water Shortage Assessment Report to the Department of Water Resources by July 1 each year. Results of the Annual Assessment are also required to inform the work of Sonoma Water's contractors' Assessment Reports to DWR.

In FY 23-24 the AWSDA report was completed as described and results shared with the water contractors to inform the completion of their reports. Sonoma Water's completed AWSDA was filed with DWR prior to the July 1, 2024 reporting deadline. In FY 24-25 the AWSDA will again be completed as described and results shared with the water contractors to inform the completion of their reports. Sonoma Water's completed AWSDA will be filed with DWR prior to the July 1, 2025 reporting deadline. The same tasks will be completed in FY 25-26.

\$ 30,000

#### Watershed Planning/Restoration

RRIFR Decision 1610 Change Petition: Russian River Flows and Fish Flow Project EIR: Continued preparation of Environmental Impact Report for Fish Habitat Flows and Water Rights Project (Fish Flow Project EIR) in preparation for any additional impact analysis, flow modeling, and monitoring needed.. The EIR is being prepared by Sonoma Water staff, with assistance from consultants on some areas of analysis. In FY23/24, most of the work focused on submission of annual Temporary Urgency Change (TUC) Petitions to the State Board to approve the requested changes to minimum in-stream flows as identified in the Biological Opinion and fisheries and water quality monitoring and reporting required by any State Board TUC Order. Work being accomplished in FY24/25 includes updates to modeling and project analysis, and lab analysis for water quality monitoring under the multiple TUC Orders issued in 2024. Work anticipated for FY25/26 includes work on the draft EIR, in particular flow modeling, as well as lab analysis for water quality monitoring related to the annual TUC.

\$ 183,000

RRIFR Estuary Management: Required Annual Biological Opinion Activities: Sonoma Water, in consultation with the National Marine Fisheries Service (NMFS), California Department of Fish & Wildlife (CDFW) and the U.S. Army Corps of Engineers (Corps), is required to annually prepare a lagoon outlet adaptive management plan by April 1; conduct and record monthly surveys of the beach topography and the outlet channel; use a time lapse video camera to record the interaction of waves, tides and the river mouth; conduct baseline monitoring of seals and other pinnipeds, conduct estuary water quality monitoring, conduct juvenile steelhead and coho salmon rearing surveys, and prepare annual reports. Other FY23/24 and FY24/25 activities include installation and monitoring of downstream migrant salmonid traps and water quality monitoring stations. Work being completed in FY24/25 includes preparation of the annual adaptive management plan, renewing regulatory permits, and continuation of monitoring and studies. Work anticipated for FY25/26 includes renewing regulatory permits and monitoring studies.

\$ 435,000

Upper Russian River Water Quality Monitoring: This water quality monitoring was conducted for the Upper Russian River, including the East Fork Russian River above Lake Mendocino and Lake Mendocino to contribute to planning and modeling efforts for the Potter Valley Project (PVP), Lake Mendocino management, Fish Habitat Flows and Water Rights Project, the Forecast Informed Reservoir Operations (FIRO) projects, and TUC orders. Monitoring included the deployment of datasondes and collection of grab samples, as well as laboratory analysis. Work anticipated for FY25/26 includes the efforts described above.

\$ 25,000

## Water Transmission Budget

2025-26

### Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY25-26
<u>Landscape Resiliency:</u> Multiyear fire landscape resiliency effort at Lake Sonoma to protect source water quality in partnership with the U.S. Army Corps and CalFire. In FY24/25, met with CalFire and USACE to identify areas that require vegetation treatment, conducted vegetation management, and facilitated CalFire controlled burns. The same tasks will be undertaken in FY 25-26.	\$ 200,000
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	\$ 843,000
<b><u>Recycled Water and Local Supply</u></b>	
Recycled Water and Local Supply costs have historically been for Sonoma Water's share of the groundwater sustainability agency's contributions. Sonoma Water's share of mandatory fees has been included in the Agency Operating fund in FY 2025/2026.	\$ -
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	\$ -
<b><u>Water Conservation</u></b>	
<b><u>51241-Outside Printing and Binding</u></b>	
WUE/Water Ed Program materials, Eco-Friendly Garden Tour materials, Water Smart Plant Label materials.	\$ 41,000
<b><u>51602-Business Travel/Mileage</u></b>	
Attend local and statewide meetings representing the Partnership and Sonoma Water.	\$ 13,000
<b><u>51803-Other Contract Services</u></b>	
Garden Sense Contract: Funding provides onsite visits by local master gardeners to support local turf removal programs.	\$ 20,000
Green Business Program: Funding to staff a part time position which provides water assessments for local businesses pursuing the Green Business Certification.	\$ 30,000
Educational Content: Displays for Education Center.	\$ 10,000
Plant Labeling Program: Funding for nursery liaison to ensure locally appropriate plants are labeled, nursery staff trainings, outreach tabling.	\$ 20,000
QWEL: QWEL website and database maintenance contract, QWEL trainings.	\$ 64,000
Sonoma County Fair: Sponsorship of general WUE display/materials at the Sonoma County Fair.	\$ 10,000
SMSWP website: Website hosting, maintenance, and development.	\$ 8,400
Spatial Analysis: CII Landscape Measurements for contractors.	\$ 250,000
Water Ed Bus Contract: Shuttle from school to field study sites for Water Education Program.	\$ 50,000
Water Loss Programs: Technical assistance for regional water loss meetings and audit validations.	\$ 36,000
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	\$ 498,400

## Water Transmission Budget

2025-26

### Itemized Detail for Subfunds Consulting/Contractual Services

Budget  
FY25-26

#### 51917-District Operations Chgs

Salaries, benefits and overhead costs for staff assigned to projects budgeted within the Water Conservation Fund (Includes USBR WaterSMART Grant). \$ 2,500,000

#### 52071-Materials and Supplies Expense

Water Ed Teaching Materials: pH strips, fabric for displays, youth outreach displays, pencil sharpeners, pencils, classroom testing kits, maps, workbooks, rulers, toothbrushes, stickers, etc. Garden Tour, fair demo garden sign. \$ 81,000

#### 52091-Memberships/Certifications

Irrigation Association and AWWA Certificate Renewals, Water Education Foundation, and California Water Efficiency Partnership, Alliance for Water Efficiency, etc. \$ 6,000

#### 52171-Water Conservation Program

Outdoor Water Use Focused Programs: Russian River Friendly Workshops, Living Learning Landscapes Demo Gardens, etc. \$ 1,500

Public Information/Outreach Programs: Media campaign for the Sonoma-Marín Saving Water Partnership including media ad buy, ad development. \$ 60,000

Saving Water Partnership Wholesaler Support: Acting as the regional liaison attend meetings of the CalWEP, Alliance for Water Efficiency, ACWA, Urban Advisory Group, CA Science Teachers Association, environmental education conference. \$ 20,000

School Education Program: Such as assembly program, port-a-potties, steelhead in the classroom program, youth outreach events, teacher program, teacher trainings, educational workbooks, maps. \$ 70,000

Seminars, Workshops, Training: Host trainings/ workshops to benefit the Partnership, such as Statewide Framework, Water Loss, speakers bureau. Participation in national/statewide studies such as those conducted by CalWEP and AWE. \$ 15,000

\$ 166,500

Total \$ 3,305,900



**FY 2025-26 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title:  
Fund/Department No:

Santa Rosa Aqueduct Capital Fund	
44230	33045000

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>9,662,681</b>	<b>10,305,302</b>		<b>10,097,733</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	309,932	314,171	314,171	310,281	(3,890)	(1.24%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	326,898	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>636,830</b>	<b>314,171</b>	<b>314,171</b>	<b>310,281</b>	<b>(3,890)</b>	<b>(1.24%)</b>
<b>MISCELLANEOUS REVENUES</b>						
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46021 Capital Grants - Federal	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated Vouchers	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>ADMINISTRATIVE CONTROL ACCOUNT</b>						
49002 Advances	0	0	0	0	0	N/A
49003 Advances Clearing	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	321,676	299,408	299,408	309,921	10,513	3.51%
47102 Transfers In - between Govt Units	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>321,676</b>	<b>299,408</b>	<b>299,408</b>	<b>309,921</b>	<b>10,513</b>	<b>3.51%</b>
<b>SPECIAL ITEMS</b>						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL REVENUES</b>	<b>958,506</b>	<b>613,579</b>	<b>613,579</b>	<b>620,202</b>	<b>6,623</b>	<b>1.08%</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>FIXED ASSETS</b>						
19820 Machinery and Equipment	0	0	0	0	0	N/A
19822 Mobile Equipment	0	0	0	0	0	N/A
19824 Computer Equipment	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	0	821,148	0	130,247	130,247	N/A
19840 Work in Progress - Eqt	0	0	0	0	0	N/A
19841 Work in Progress - Intangible	0	0	0	0	0	N/A
19851 Intangible Assets - Non-Depreciable	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>821,148</b>	<b>0</b>	<b>130,247</b>	<b>130,247</b>	<b>N/A</b>

Section Title:  
Fund/Department No:

Santa Rosa Aqueduct Capital Fund		
44230	33045000	

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>821,148</b>	<b>0</b>	<b>130,247</b>	<b>130,247</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Repayment of Loan to Storage	0	0		0		
Unrealized Gain/ Loss (GASB 31)	11,013	0		0		
Capitalized Interest	(326,898)	0		0		
Post Audit Adjustment	0	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>10,305,302</b>	<b>10,097,733</b>		<b>10,587,688</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Petaluma Aqueduct Capital Fund

Fund/Department No:

44235

33045100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>7,672,321</b>	<b>3,817,392</b>		<b>4,615,690</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	234,550	104,762	104,762	28,633	(76,130)	(72.67%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	260,888	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>495,438</b>	<b>104,762</b>	<b>104,762</b>	<b>28,633</b>	<b>(76,130)</b>	<b>(72.67%)</b>
<b>MISCELLANEOUS REVENUE</b>						
46021 Capital Gains - Federal	242,448	2,134,138	0	0	0	N/A
<b>SUBTOTAL</b>	<b>242,448</b>	<b>2,134,138</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>ADMINISTRATIVE CONTROL ACCOUNT</b>						
49002 Advances	0	0	0	0	0	N/A
49003 Advances Clearing	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	80,657	0	0	1,450,000	1,450,000	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>80,657</b>	<b>0</b>	<b>0</b>	<b>1,450,000</b>	<b>1,450,000</b>	<b>N/A</b>
<b>TOTAL REVENUES</b>	<b>818,544</b>	<b>2,238,900</b>	<b>104,762</b>	<b>1,478,633</b>	<b>1,373,870</b>	<b>1311.42%</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>FIXED ASSETS</b>						
19820 Machinery and Equipment	0	0	0	0	0	N/A
19822 Mobile Equipment	0	0	0	0	0	N/A
19824 Computer Equipment	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	797,227	1,440,602	2,841,016	3,119,107	278,091	9.79%
19840 Work in Progress - Eqt	0	0	0	0	0	N/A
19841 Work in Progress - Intang	16,805	0	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>814,033</b>	<b>1,440,602</b>	<b>2,841,016</b>	<b>3,119,107</b>	<b>278,091</b>	<b>9.79%</b>

## Section Title:

Petaluma Aqueduct Capital Fund

Fund/Department No:

44235

33045100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b><u>SPECIAL ITEMS</u></b>						
56030 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>814,033</b>	<b>1,440,602</b>	<b>2,841,016</b>	<b>3,119,107</b>	<b>278,091</b>	<b>9.79%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Advance to Common	0	0		0		
Increase/(Decrease) in Loan Payable	0	0		0		
Capitalized Interest	0	0		0		
Loss on Fixed Asset	0	0		0		
Principal Received on Loan	0	0		0		
Change in Encumbrances	(3,598,553)	0		0		
Donated Asset	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(260,888)	0		0		
Rounding	0					
<b>ENDING FUND BALANCE</b>	<b>3,817,392</b>	<b>4,615,690</b>		<b>2,975,215</b>		

**FY 2025-26 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Capital Fund

Fund/Department No:

44240

33045200

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>43,111</b>	<b>208,414</b>		<b>151,556</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	75,540	1,615	1,615	7,862	6,247	386.72%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	681	0	0	0	0	N/A
SUBTOTAL	76,221	1,615	1,615	7,862	6,247	386.72%
<b>MISCELLANEOUS REVENUES</b>						
46200 Transfers In - within a Fund	(46)	0	0	0	0	N/A
SUBTOTAL	(46)	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	275,741	211,752	211,752	213,191	1,438	0.68%
47102 Transfers In - btw Govtl Func	0	0	0	0	0	N/A
SUBTOTAL	275,741	211,752	211,752	213,191	1,438	0.68%
<b>SPECIAL ITEMS</b>						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL REVENUES</b>	<b>351,916</b>	<b>213,368</b>	<b>213,368</b>	<b>221,053</b>	<b>7,685</b>	<b>3.60%</b>
<b>EXPENDITURES</b>						
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
53403 Loss-Disposed Capital Asset	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>FIXED ASSETS</b>						
19820 Machinery and Equipment	0	0	0	0	0	N/A
19822 Mobile Equipment	0	0	0	0	0	N/A
19824 Computer Equipment	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	212,041	270,225	173,200	0	(173,200)	(100.00%)
19840 Work in Progress - Eqt	0	0	0	0	0	N/A
19841 Work in Progress - Intang	0	0	0	0	0	N/A
19851 Intangible Assets - Non-amor	0	0	0	0	0	N/A
SUBTOTAL	212,041	270,225	173,200	0	(173,200)	(100.00%)

Section Title:

Sonoma Aqueduct Capital Fund

Fund/Department No:

44240

33045200

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Func	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>212,041</b>	<b>270,225</b>	<b>173,200</b>	<b>0</b>	<b>(173,200)</b>	<b>(100.00%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Outstanding Encumbrances - Net Change	26,062	0		0		
Sale or Purchase of Fixed Asset	0	0		0		
Gain/loss on disposal of Capital Assets	46	0		0		
Unrealized Gain/ Loss (GASB 31)	(681)	0		0		
Post Audit Adjustment	0					
Rounding	1	(1)		0		
<b>ENDING FUND BALANCE</b>	<b>208,414</b>	<b>151,556</b>		<b>372,609</b>		

# FY 2025-26 BUDGET BEGINNING AND ENDING CASH SUMMARY

Section Title:

Storage Facilities

Fund/Department No:

44250

33043000

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>2,225,427</b>	<b>2,390,075</b>		<b>663,241</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	76,546	262	262	12,054	11,792	4506.51%
44050 Unrealized Gains & Losses	46,828	0	0	0	0	N/A
SUBTOTAL	123,374	262	262	12,054	11,792	4506.51%
<b><u>MISCELLANEOUS REVENUE</u></b>						
46021 Capital Grants - Federal	0	0	0	0	0	N/A
46022 Capital Grants - State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>SPECIAL ITEMS</u></b>						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
48005 Contributed Capital	19,331	0	0	0	0	N/A
SUBTOTAL	19,331	0	0	0	0	N/A
<b><u>ADMINISTRATIVE CONTROL</u></b>						
49002 Advances	0	0	0	0	0	N/A
49003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	77,000	1,287,000	1,287,000	1,570,000	283,000	21.99%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	77,000	1,287,000	1,287,000	1,570,000	283,000	21.99%
<b>TOTAL REVENUES</b>	<b>219,705</b>	<b>1,287,262</b>	<b>1,287,262</b>	<b>1,582,054</b>	<b>294,792</b>	<b>22.90%</b>

## EXPENDITURES

### OTHER CHARGES

53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

## Section Title:

Storage Facilities

Fund/Department No:

44250

33043000

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b><u>FIXED ASSETS</u></b>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	153,900	3,014,096	1,245,086	2,104,967	859,881	69.06%
19841 Acq-WIP-Intangibles	73,735	0	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	227,635	3,014,096	1,245,086	2,104,967	859,881	69.06%
<b><u>ADMINISTRATIVE CONTROL ACCOUNT</u></b>						
59002 Advances	0	0	0	0	0	N/A
59003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>227,635</b>	<b>3,014,096</b>	<b>1,245,086</b>	<b>2,104,967</b>	<b>859,881</b>	<b>69.06%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Repayment of Loan from SR Aqueduct Ca	0	0		0		
Princ. Pymnt on loan from SR Aqueduct C	0	0		0		
Advances	0	0		0		
Outstanding Encumbrances - Net Change	0	0		0		
PY CIP adjustment - reclass to PY Exp	0	0		0		
B & I Tsfrs	0	0		0		
LTD Proceeds	0	0		0		
Sold Asset	0	0		0		
Capitalized Interest	0	0		0		
Move Project CIP Balance	(19,331)	0		0		
Gain/loss on disposal of Capital Assets	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(46,828)	0		0		
Change in Encumbrances	238,736	0		0		
Rounding	1	0		0		
<b>ENDING FUND BALANCE</b>	<b>2,390,075</b>	<b>663,241</b>		<b>140,327</b>		



**FY 2025-26 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities

Fund/Department No:

44260

33043200

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>11,595,612</b>	<b>11,311,998</b>		<b>3,204,708</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	323,616	103,245	103,245	54,913	(48,331)	(46.81%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	288,451	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>612,067</b>	<b>103,245</b>	<b>103,245</b>	<b>54,913</b>	<b>(48,331)</b>	<b>(46.81%)</b>
<b>CHARGES FOR SERVICES</b>						
45062 Construct/Bldg Permit Rvw Svc	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>MISCELLANEOUS REVENUES</b>						
46021 Capital Grants - Federal	0	0	0	0	0	N/A
46022 Capital Grants - State	2,327,469	3,174,592	0	0	0	N/A
46027 Insurance Claims Reimburseme	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenu	0	0	0	0	0	N/A
46215 Other Grants	0	860,854	0	0	0	N/A
<b>SUBTOTAL</b>	<b>2,327,469</b>	<b>4,035,446</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>ADMINISTRATIVE CONTROL</b>						
49002 Advances	0	0	0	0	0	N/A
49003 Advances Clearing	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	3,619,858	5,078,000	5,078,000	10,100,000	5,022,000	98.90%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>3,619,858</b>	<b>5,078,000</b>	<b>5,078,000</b>	<b>10,100,000</b>	<b>5,022,000</b>	<b>98.90%</b>
<b>TOTAL REVENUES</b>	<b>6,559,395</b>	<b>9,216,690</b>	<b>5,181,245</b>	<b>10,154,913</b>	<b>4,973,669</b>	<b>95.99%</b>

**EXPENDITURES**

**OTHER CHARGES**

53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53403 Loss - Disposed Capital Asset	39,422	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>39,422</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>

**FIXED ASSETS**

19810 Land	0	0	0	0	0	N/A
19811 Acq-Land Improvements	75,323	0	0	0	0	N/A
19812 Acq-CIP-Land	653,683	1,124,820	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A

## Section Title:

Common Facilities

Fund/Department No:

44260

33043200

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
19832 CIP - Infrastructure	4,016,308	16,179,160	11,403,800	12,926,099	1,522,299	13.35%
19840 Acq-WIP-Equipment	0	0	0	0	0	N/A
19841 Work in Progress - Intang	0	20,000	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	4,745,315	17,323,980	11,403,800	12,926,099	1,522,299	13.35%
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>ADMINISTRATIVE CONTROL ACCOUNT</b>						
59002 Advances	0	0	0	0	0	N/A
59003 Advances Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>4,784,737</b>	<b>17,323,980</b>	<b>11,403,800</b>	<b>12,926,099</b>	<b>1,522,299</b>	<b>13.35%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Loan from Petaluma Aqueduct Capital Fund	0	0		0		
Technical Adjustments - BRO's	0	0		0		
Principal payment on Loan from Petaluma /	0	0		0		
Advances	0	0		0		
Outstanding Encumbrances - Net Change	(1,955,735)	0		0		
Capitalized Interest	0	0		0		
Gain/loss on disposal of Capital Assets	39,632	0		0		
Proceeds from State Loan & Other LT Debt	0	0		0		
PY CIP adjustment - reclass to PY Exp (los	0	0		0		
B & I Tsfr to ISF (Facilities) Fund	0	0		0		
Auditor Adj - Reversal of Duplicate Pymt	0	0		0		
Sale or Purchase of Fixed Asset	0	0		0		
Change in Deposit w/Others	0	0		0		
Move Project CIP Balance	(33,987)	0		0		
Change in Contingent Liability	0	0		0		
Post Audit Adjustment	180,269	0		0		
Unrealized Gain/ Loss (GASB 31)	(288,451)	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>11,311,998</b>	<b>3,204,708</b>		<b>433,523</b>		

# FY 2025-26 BUDGET BEGINNING AND ENDING CASH SUMMARY

Section Title: North Marin Water Deposit

Fund/Department No: 44300 33045300

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>28,669</b>	<b>29,711</b>		<b>30,682</b>		
<b>REVENUES</b>						
<u><b>USE OF MONEY / PROPERTY</b></u>						
44002 Interest on Pooled Cash	1,042	971	971	934	(36)	(3.72%)
44050 Unrealized Gains and Losses	1,121	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>2,163</b>	<b>971</b>	<b>971</b>	<b>934</b>	<b>(36)</b>	<b>(3.72%)</b>
<u><b>INTERGOVERNMENTAL REVENUE</b></u>						
42610 Other Governmental Agencies	52,545	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>52,545</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<u><b>OTHER FINANCING SOURCES</b></u>						
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL REVENUES</b>	<b>54,708</b>	<b>971</b>	<b>971</b>	<b>934</b>	<b>(36)</b>	<b>(3.72%)</b>
<b>EXPENDITURES</b>						
<u><b>OTHER CHARGES</b></u>						
53501 Contributions	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<u><b>OTHER FINANCING USES</b></u>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Unrealized Gain/ Loss (GASB 31)	(1,121)	0				
Post Audit Adjustment	(52,545)	0				
Post Audit Adjustment	0	0				
Rounding	0	0				
<b>ENDING FUND BALANCE</b>	<b>29,711</b>	<b>30,682</b>		<b>31,616</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

State Loan Debt Service Fund

Fund/Department No:

44265

33047000

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$480,004</b>	<b>\$550,566</b>		<b>\$159,026</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	34,525	10,425	10,425	2,651	(7,774)	(74.57%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	56,875	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>91,400</b>	<b>10,425</b>	<b>10,425</b>	<b>2,651</b>	<b>(7,774)</b>	<b>(74.57%)</b>
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	1,196,268	1,196,267	1,196,267	1,196,269	2	0.00%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>1,196,268</b>	<b>1,196,267</b>	<b>1,196,267</b>	<b>1,196,269</b>	<b>2</b>	<b>0.00%</b>
<b>TOTAL REVENUES</b>	<b>1,287,668</b>	<b>1,206,692</b>	<b>1,206,692</b>	<b>1,198,920</b>	<b>(7,772)</b>	<b>(0.64%)</b>
<b>EXPENDITURES</b>						
<b><u>OTHER CHARGES</u></b>						
53103 Interest on LT Debt	128,407	102,759	102,759	76,390	(26,369)	(25.66%)
<b>SUBTOTAL</b>	<b>128,407</b>	<b>102,759</b>	<b>102,759</b>	<b>76,390</b>	<b>(26,369)</b>	<b>(25.66%)</b>
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	120,000	558,000	558,000	300,000	(258,000)	(46.24%)
<b>SUBTOTAL</b>	<b>120,000</b>	<b>558,000</b>	<b>558,000</b>	<b>300,000</b>	<b>(258,000)</b>	<b>(46.24%)</b>
<b><u>ADMIN. CONTROL ACCOUNT</u></b>						
59002 Advances	911,824	937,473	937,473	963,844	26,371	2.81%
59003 Advances Clearing	(911,824)	(937,473)	(937,473)	(963,844)	(26,371)	2.81%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>248,407</b>	<b>660,759</b>	<b>660,759</b>	<b>376,390</b>	<b>(284,369)</b>	<b>(43.04%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on loan	(911,824)	0				
(Increase) / Decrease in Principal Payable	0	(937,473)		(963,844)		
Advances from Other Govt	(56,875)	0		0		
Unrealized Gain/ Loss (GASB 31)	1	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$550,566</b>	<b>\$159,026</b>		<b>\$17,712</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Reserve Fund

Fund/Department No: 44270 33047100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	0	0	0	0	0	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	45,058	0	0	0	0	N/A
SUBTOTAL	45,058	0	0	0	0	N/A
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL REVENUES</b>	<b>45,058</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Increase in Reserve	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(45,058)	0				
Rounding	0	0				
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bonds 2015

Fund/Department No:

44290

33047500

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>(\$17,071)</b>	<b>\$8,666</b>		<b>\$21,216</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	(1,958)	329	329	594	265	80.54%
44003 Other Interest Earnings	30,430	0	0	0	0	N/A
44050 Unrealized Gains and Losses	6,872	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>35,343</b>	<b>329</b>	<b>329</b>	<b>594</b>	<b>265</b>	<b>80.54%</b>
<b>Miscellaneous Revenues</b>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	477,198	476,590	476,590	471,733	(4,856)	(1.02%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>477,198</b>	<b>476,590</b>	<b>476,590</b>	<b>471,733</b>	<b>(4,856)</b>	<b>(1.02%)</b>
<b>TOTAL REVENUES</b>	<b>512,541</b>	<b>476,919</b>	<b>476,919</b>	<b>472,328</b>	<b>(4,591)</b>	<b>(0.96%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	1,179	1,500	1,500	1,500	0	0.00%
<b>SUBTOTAL</b>	<b>1,179</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>0</b>	<b>0.00%</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	144,521	131,327	131,327	117,500	(13,827)	(10.53%)
53104 Other Interest Expense	(11,468)	5,058	5,058	5,058	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
53109 Capitalized Interest	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>133,053</b>	<b>136,385</b>	<b>136,385</b>	<b>122,558</b>	<b>(13,827)</b>	<b>(10.14%)</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	47,000	55,000	55,000	70,000	15,000	27.27%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>47,000</b>	<b>55,000</b>	<b>55,000</b>	<b>70,000</b>	<b>15,000</b>	<b>27.27%</b>
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	263,876	276,541	276,541	286,145	9,604	3.47%
59005 Admin Control Acct Clearing	(263,876)	(276,541)	(276,541)	(286,145)	(9,604)	3.47%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>181,231</b>	<b>192,885</b>	<b>192,885</b>	<b>194,058</b>	<b>1,173</b>	<b>0.61%</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Change in Principal due to Bond Reallocation	0					
Change in Bond Premium due to Bond Reallc	0					
Capitalized Interest	0					
Loss on Refunding of Debt	5,058	5,058		5,058		
Principal Payment	(263,876)	(276,541)		(286,145)		
Special Fund Stmt's!B449	0	0		0		
Amortization of Bond Premium	(16,526)	0		0		
Change in Reserved Fund Balance	(23,358)					
Unrealized Gain/ Loss (GASB 31)	(6,872)					
Rounding	0	(0)				
<b>ENDING FUND BALANCE</b>	<b>\$8,666</b>	<b>\$21,216</b>		<b>\$18,399</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2015

Fund/Department No:

44295

33047600

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$178,906</b>	<b>\$159,769</b>		<b>\$67,868</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	1,582	3,390	3,390	1,510	(1,881)	(55.47%)
44003 Other Interest Earnings	27,191	0	0	0	0	N/A
44050 Unrealized Gains and Losses	17,848	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>46,621</b>	<b>3,390</b>	<b>3,390</b>	<b>1,510</b>	<b>(1,881)</b>	<b>(55.47%)</b>
<b>MISCELLANEOUS REVENUES</b>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	1,228,700	1,228,157	1,228,157	1,218,046	(10,112)	(0.82%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>1,228,700</b>	<b>1,228,157</b>	<b>1,228,157</b>	<b>1,218,046</b>	<b>(10,112)</b>	<b>(0.82%)</b>
<b>TOTAL REVENUES</b>	<b>1,275,321</b>	<b>1,231,548</b>	<b>1,231,548</b>	<b>1,219,555</b>	<b>(11,993)</b>	<b>(0.97%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	2,047	2,500	2,500	2,500	0	0.00%
<b>SUBTOTAL</b>	<b>2,047</b>	<b>2,500</b>	<b>2,500</b>	<b>2,500</b>	<b>0</b>	<b>0.00%</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	424,043	392,175	392,175	358,736	(33,439)	(8.53%)
53104 Other Interest Expense	(25,008)	4,516	4,516	4,516	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
53109 Capitalized Interest	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>399,036</b>	<b>396,691</b>	<b>396,691</b>	<b>363,252</b>	<b>(33,439)</b>	<b>(8.43%)</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	200,000	260,000	260,000	200,000	(60,000)	(23.08%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>200,000</b>	<b>260,000</b>	<b>260,000</b>	<b>200,000</b>	<b>(60,000)</b>	<b>(23.08%)</b>
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	637,374	668,772	668,772	693,418	24,646	3.69%
59005 Admin Control Acct Clearing	(637,374)	(668,772)	(668,772)	(693,418)	(24,646)	3.69%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>601,082</b>	<b>659,191</b>	<b>659,191</b>	<b>565,752</b>	<b>(93,439)</b>	<b>(14.17%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal Payment	(637,374)	(668,772)		(693,418)		
Change in Principal due to Bond Realloca	0	0		0		
Change in Bond Premium due to Bond Re	0	0		0		
Revenue Bonds Pay - Change in Current	0	0		0		
Amortization of Bond Premium	(29,523)	0		0		
Capitalized Interest	0					
Change in Reserved Fund Balance	(13,146)					
Loss on Refunding Debt	4,515	4,515		4,515		
Unrealized Gain/ Loss (GASB 31)	(17,848)	0		0		
Rounding	1	(1)		0		
<b>ENDING FUND BALANCE</b>	<b>\$159,769</b>	<b>\$67,868</b>		<b>\$32,768</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2015

Fund/Department No:

44305

33047700

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$24,686</b>	<b>\$5,855</b>		<b>\$6,001</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	648	193	193	182	(11)	(5.93%)
44003 Other Interest Earnings	1	0	0	0	0	N/A
44050 Unrealized Gains and Losses	3,730	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>4,380</b>	<b>193</b>	<b>193</b>	<b>182</b>	<b>(11)</b>	<b>(5.93%)</b>
<b><u>MISCELLANEOUS REVENUES</u></b>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	37,971	37,971	37,971	37,702	(269)	(0.71%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>37,971</b>	<b>37,971</b>	<b>37,971</b>	<b>37,702</b>	<b>(269)</b>	<b>(0.71%)</b>
<b>TOTAL REVENUES</b>	<b>42,351</b>	<b>38,164</b>	<b>38,164</b>	<b>37,883</b>	<b>(281)</b>	<b>(0.74%)</b>
<b>EXPENDITURES</b>						
<b><u>SERVICES AND SUPPLIES</u></b>						
51242 Bank Charges	362	500	500	500	0	0.00%
<b>SUBTOTAL</b>	<b>362</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>0</b>	<b>0.00%</b>
<b><u>OTHER CHARGES</u></b>						
53103 Interest on LT Debt	13,767	12,830	12,830	11,846	(984)	(7.67%)
53104 Other Interest Expense	(689)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>13,078</b>	<b>12,830</b>	<b>12,830</b>	<b>11,846</b>	<b>(984)</b>	<b>(7.67%)</b>
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	25,000	5,000	5,000	5,000	0	0.00%
<b>SUBTOTAL</b>	<b>25,000</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>0</b>	<b>0.00%</b>
<b><u>ADMIN. CONTROL ACCOUNT</u></b>						
59004 Administrative Control Account	18,750	19,688	19,688	20,438	750	3.81%
59005 Admin Control Acct Clearing	(18,750)	(19,688)	(19,688)	(20,438)	(750)	3.81%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>38,440</b>	<b>18,330</b>	<b>18,330</b>	<b>17,346</b>	<b>(984)</b>	<b>(5.37%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Change in Principal due to Bond Reallocation	0	0		0		
Change in Bond Premium due to Bond Realk	0	0		0		
Accrual of Principal Payment - Revenue Bond	(18,750)	(19,688)		(20,438)		
Principal Payment	0	0		0		
Amortization of Bond Premium	(689)	0		0		
Unrealized Gain/ Loss (GASB 31)	(3,730)	0		0		
Change in Reserved Fund Balance	427					
Rounding	1	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$5,855</b>	<b>\$6,001</b>		<b>\$6,100</b>		



**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

**Common Facilities Revenue Bonds 2019**

Fund/Department No:

**44310**

**33047800**

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$631,233</b>	<b>\$737,241</b>		<b>\$38,313</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	17,311	12,852	12,852	993	(11,859)	(92.27%)
44003 Other Interest Earnings	76	0	0	0	0	N/A
44050 Unrealized Gains and Losses	24,519	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>41,906</b>	<b>12,852</b>	<b>12,852</b>	<b>993</b>	<b>(11,859)</b>	<b>(92.27%)</b>
<b>MISCELLANEOUS REVENUES</b>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	676,992	676,356	676,356	679,114	2,758	0.41%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>676,992</b>	<b>676,356</b>	<b>676,356</b>	<b>679,114</b>	<b>2,758</b>	<b>0.41%</b>
<b>TOTAL REVENUES</b>	<b>718,898</b>	<b>689,208</b>	<b>689,208</b>	<b>680,107</b>	<b>(9,101)</b>	<b>(1.32%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	2,683	3,000	3,000	3,000	0	0.00%
<b>SUBTOTAL</b>	<b>2,683</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>	<b>0.00%</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	279,354	264,038	264,038	247,983	(16,055)	(6.08%)
53104 Other Interest Expense	(54,724)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>224,630</b>	<b>264,038</b>	<b>264,038</b>	<b>247,983</b>	<b>(16,055)</b>	<b>(6.08%)</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	800,000	800,000	100,000	(700,000)	(87.50%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>800,000</b>	<b>800,000</b>	<b>100,000</b>	<b>(700,000)</b>	<b>(87.50%)</b>
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	306,334	321,098	321,098	339,551	18,453	5.75%
59005 Admin Control Acct Clearing	(306,334)	(321,098)	(321,098)	(339,551)	(18,453)	5.75%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>227,313</b>	<b>1,067,038</b>	<b>1,067,038</b>	<b>350,983</b>	<b>(716,055)</b>	<b>(67.11%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal Payment	(306,334)	(321,098)		(339,551)		
Amortization of Bond Premium	(54,724)	0		0		
Unrealized Gain/ Loss (GASB 31)	(24,519)	0		0		
Changed in Reserved Fund Balance	1	(1)		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$737,241</b>	<b>\$38,313</b>		<b>\$27,886</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2019

Fund/Department No:

44315

33047900

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$216,915</b>	<b>\$164,495</b>		<b>\$112,244</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	5,917	6,389	6,389	2,528	(3,862)	(60.44%)
44003 Other Interest Earnings	27	0	0	0	0	N/A
44050 Unrealized Gains and Losses	12,529	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>18,473</b>	<b>6,389</b>	<b>6,389</b>	<b>2,528</b>	<b>(3,862)</b>	<b>(60.44%)</b>
<b><u>MISCELLANEOUS REVENUES</u></b>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(3,862)</b>	<b>N/A</b>
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	240,651	240,426	240,426	241,406	980	0.41%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>240,651</b>	<b>240,426</b>	<b>240,426</b>	<b>241,406</b>	<b>980</b>	<b>0.41%</b>
<b>TOTAL REVENUES</b>	<b>259,124</b>	<b>246,815</b>	<b>246,815</b>	<b>243,933</b>	<b>(6,744)</b>	<b>(2.73%)</b>
<b>EXPENDITURES</b>						
<b><u>SERVICES AND SUPPLIES</u></b>						
51242 Bank Charges	1,254	1,500	1,500	1,500	0	0.00%
<b>SUBTOTAL</b>	<b>1,254</b>	<b>1,500</b>	<b>1,500</b>	<b>1,500</b>	<b>0</b>	<b>0.00%</b>
<b><u>OTHER CHARGES</u></b>						
53103 Interest on LT Debt	99,096	93,663	93,663	87,968	(5,695)	(6.08%)
53104 Other Interest Expense	(19,412)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>79,683</b>	<b>93,663</b>	<b>93,663</b>	<b>87,968</b>	<b>(5,695)</b>	<b>(6.08%)</b>
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	90,000	90,000	90,000	90,000	0	0.00%
<b>SUBTOTAL</b>	<b>90,000</b>	<b>90,000</b>	<b>90,000</b>	<b>90,000</b>	<b>0</b>	<b>0.00%</b>
<b><u>ADMIN. CONTROL ACCOUNT</u></b>						
59004 Administrative Control Account	108,666	113,903	113,903	120,450	6,547	5.75%
59005 Admin Control Acct Clearing	(108,666)	(113,903)	(113,903)	(120,450)	(6,547)	5.75%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>170,937</b>	<b>185,163</b>	<b>185,163</b>	<b>179,468</b>	<b>(5,695)</b>	<b>(3.08%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Unrealized Gains and Losses	0	0		0		
Proceeds Bond Issuance	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Accrual of Principal Payment - Revenue Bo	(108,666)	(113,903)		(120,450)		
Principal Payment	0	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Bond Premium - Issuance of Revenue Bon	0	0		0		
Amortization of Bond Premium	(19,412)	0		0		
Unrealized Gain/ Loss (GASB 31)	(12,529)	0		0		
Change in Reserved Fund Balance	0	0		0		
Rounding	1	(1)		0		
<b>ENDING FUND BALANCE</b>	<b>\$164,495</b>	<b>\$112,244</b>		<b>\$56,259</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Storage Facilities Revenue Bonds 2022  
Fund/Department No: 44325 33048100

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>(\$10,443)</b>	<b>\$9,730</b>		<b>\$62,767</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	(1,326)	1,200	1,200	1,299	99	8.26%
44003 Other Interest Earnings	173	0	0	0	0	N/A
44050 Unrealized Gains and Losses	22,224	0	0	0	0	N/A
SUBTOTAL	21,071	1,200	1,200	1,299	99	8.26%
<b>MISCELLANEOUS REVENUES</b>						
46200 PY Revenue - Miscellaneous	4,749	0	0	0	0	N/A
SUBTOTAL	4,749	0	0	0	0	N/A
<b>OTHER FINANCING SOURCES</b>	4,749					
47101 Transfers In - within a Fund	355,015	451,088	455,967	458,050	2,083	0.46%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	355,015	451,088	455,967	458,050	2,083	0.46%
<b>SPECIAL ITEMS</b>						
48004 Residual Equity Transfers	432	0	0	0	0	N/A
SUBTOTAL	432	0	0	0	0	N/A
<b>TOTAL REVENUES</b>	<b>381,267</b>	<b>452,287</b>	<b>457,167</b>	<b>459,348</b>	<b>2,182</b>	<b>0.48%</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	720	1,000	1,000	1,000	0	0.00%
SUBTOTAL	720	1,000	1,000	1,000	0	0.00%
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	119,586	165,680	165,680	154,190	(11,490)	(6.94%)
53104 Other Interest Expense	(32,639)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	86,947	165,680	165,680	154,190	(11,490)	(6.94%)
<b>SPECIAL ITEMS</b>						
56030 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	30,000	1,232,000	1,232,000	100,000	(1,132,000)	(91.88%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	30,000	1,232,000	1,232,000	100,000	(1,132,000)	(91.88%)
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	188,562	225,570	229,813	243,114	13,301	5.79%
59005 Admin Control Acct Clearing	(188,562)	(225,570)	(229,813)	(243,114)	(13,301)	5.79%
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>117,667</b>	<b>1,398,680</b>	<b>1,398,680</b>	<b>255,190</b>	<b>(1,143,490)</b>	<b>(81.75%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Gain on Refunding	(4,913)	0		0		
Amortization of Bond Premium	(27,727)					
Proceeds from Bond Issuance	0	0		0		
Accrual of Principal Payment - Revenue Bo	(188,562)	(225,570)		(243,114)		
Unrealized Gain/ Loss (GASB 31)	(22,224)	0		0		
Rounding	(2)	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$9,730</b>	<b>\$62,767</b>		<b>\$23,811</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title: **Common Facilities Revenue Bonds 2022**  
Fund/Department No: **44335 33048300**

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$8,405,605</b>	<b>\$5,576,812</b>		<b>\$1,175,561</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	260,878	116,082	116,082	36,826	(79,256)	(68.28%)
44003 Other Interest Earnings	1,000	0	0	0	0	N/A
44050 Unrealized Gains and Losses	443,571	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>705,449</b>	<b>116,082</b>	<b>116,082</b>	<b>36,826</b>	<b>(79,256)</b>	<b>(68.28%)</b>
<b>MISCELLANEOUS REVENUES</b>						
46200 PY Revenue - Miscellaneous	27,402	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>27,402</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	1,378,983	1,285,442	1,280,562	1,282,250	1,688	0.13%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>1,378,983</b>	<b>1,285,442</b>	<b>1,280,562</b>	<b>1,282,250</b>	<b>1,688</b>	<b>0.13%</b>
<b>SPECIAL ITEMS</b>						
48004 Residual Equity Transfers	605	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>605</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL REVENUES</b>	<b>2,112,438</b>	<b>1,401,525</b>	<b>1,396,644</b>	<b>1,319,076</b>	<b>(77,568)</b>	<b>(5.55%)</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	2,688	3,000	3,000	3,000	0	0.00%
<b>SUBTOTAL</b>	<b>2,688</b>	<b>3,000</b>	<b>3,000</b>	<b>3,000</b>	<b>0</b>	<b>0.00%</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	666,486	584,533	584,533	558,233	(26,300)	(4.50%)
53104 Other Interest Expense	(86,634)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>579,852</b>	<b>584,533</b>	<b>584,533</b>	<b>558,233</b>	<b>(26,300)</b>	<b>(4.50%)</b>
<b>SPECIAL ITEMS</b>						
56030 Residual Equity Transfers	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	3,299,858	3,460,000	3,460,000	100,000	(3,360,000)	(97.11%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>3,299,858</b>	<b>3,460,000</b>	<b>3,460,000</b>	<b>100,000</b>	<b>(3,360,000)</b>	<b>(97.11%)</b>
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	528,630	530,243	525,999	553,767	27,768	5.28%
59005 Admin Control Acct Clearing	(528,630)	(530,243)	(525,999)	(553,767)	(27,768)	5.28%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>3,882,398</b>	<b>4,047,533</b>	<b>4,047,533</b>	<b>661,233</b>	<b>(3,386,300)</b>	<b>(83.66%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Proceeds Bond Issuance	0	0		0		
Gain on Refunding	(6,879)	0		0		
Accrual of Principal Payment - Revenue Bo	(528,630)	(530,243)		(553,767)		
Principal Payment	0	0		0		
Amortization of Bond Premium	(79,755)	0		0		
Unrealized Gain/ Loss (GASB 31)	(443,571)	0		0		
Changed in Reserved Fund Balance	0	0		0		
Post Audit Adjustment	0	0		0		
Change in Principal due to Refunding of De	0	(1,225,000)		0		
Rounding	1	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$5,576,812</b>	<b>\$1,175,561</b>		<b>\$1,279,637</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2022

Fund/Department No:

44330

33048200

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$3,851</b>	<b>\$36,819</b>		<b>\$69,011</b>		
<b>REVENUES</b>						
<b><u>USE OF MONEY / PROPERTY</u></b>						
44002 Interest on Pooled Cash	(440)	1,678	1,678	2,571	893	53.18%
44003 Other Interest Earnings	93	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(7,059)	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>(7,407)</b>	<b>1,678</b>	<b>1,678</b>	<b>2,571</b>	<b>893</b>	<b>53.18%</b>
<b><u>MISCELLANEOUS REVENUES</u></b>						
46200 PY Revenue - Miscellaneous	2,552	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>2,552</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>OTHER FINANCING SOURCES</u></b>						
47101 Transfers In - within a Fund	234,526	233,940	233,940	236,208	2,268	0.97%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>234,526</b>	<b>233,940</b>	<b>233,940</b>	<b>236,208</b>	<b>2,268</b>	<b>0.97%</b>
<b><u>SPECIAL ITEMS</u></b>						
48004 Residual Equity Transfers	355	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>355</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL REVENUES</b>	<b>230,026</b>	<b>235,618</b>	<b>235,618</b>	<b>238,779</b>	<b>3,160</b>	<b>1.34%</b>
<b>EXPENDITURES</b>						
<b><u>SERVICES AND SUPPLIES</u></b>						
51242 Bank Charges	530	350	350	600	250	71.43%
<b>SUBTOTAL</b>	<b>530</b>	<b>350</b>	<b>350</b>	<b>600</b>	<b>250</b>	<b>71.43%</b>
<b><u>OTHER CHARGES</u></b>						
53103 Interest on LT Debt	65,778	58,888	58,888	51,678	(7,210)	(12.24%)
53104 Other Interest Expense	(24,172)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>41,606</b>	<b>58,888</b>	<b>58,888</b>	<b>51,678</b>	<b>(7,210)</b>	<b>(12.24%)</b>
<b><u>SPECIAL ITEMS</u></b>						
56030 Residual Equity Transfers	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>OTHER FINANCING USES</u></b>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b><u>ADMIN. CONTROL ACCOUNT</u></b>						
59004 Administrative Control Account	137,808	144,188	144,188	153,120	8,932	6.19%
59005 Admin Control Acct Clearing	(137,808)	(144,188)	(144,188)	(153,120)	(8,932)	6.19%
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>42,136</b>	<b>59,238</b>	<b>59,238</b>	<b>52,278</b>	<b>(6,960)</b>	<b>(11.75%)</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Gain on Refunding	(4,040)	0		0		
Accrual of Principal Payment - Revenue B	(137,808)	(144,188)		(153,120)		
Principal Payment	0	0		0		
Amortization of Bond Premium	(20,132)	0		0		
Unrealized Gain/ Loss (GASB 31)	7,059	0		0		
Rounding	(2)	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$36,819</b>	<b>\$69,011</b>		<b>\$102,392</b>		

**FY 2025-26 BUDGET**  
**BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Petaluma Aqueduct Revenue Bonds 2025

Fund/Department No:

44340

TBD

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	0	0	0	33,851	33,851	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33,851</b>	<b>33,851</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	0	0	0	346,697	346,697	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>346,697</b>	<b>346,697</b>	<b>N/A</b>
<b>SPECIAL ITEMS</b>						
48004 Transfers In - within a Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>380,548</b>	<b>380,548</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	0	0	0	480	480	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>480</b>	<b>480</b>	<b>N/A</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	149,872	149,872	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	37,310	37,310	N/A
53109 Capitalized Interest	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>187,182</b>	<b>187,182</b>	<b>N/A</b>
<b>OTHER CHARGES</b>						
56030 Interest on LT Debt	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	1,450,000	1,450,000	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,450,000</b>	<b>1,450,000</b>	<b>N/A</b>
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	0	0	0	113,814	113,814	N/A
59005 Admin Control Acct Clearing	0	0	0	(113,814)	(113,814)	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,637,662</b>	<b>1,637,662</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
(Increase)/Decrease in Bonds Payable						
Principal Payments on Bonds	0	0		0		
Proceeds from issuance	0	0		3,513,536		
Amortization of bond discount	0	0		0		
Change in Reserved Fund Balance	0	0		0		
Capitalized Interest	0	0		0		
Amortization of deferred amount of refund	0	0		0		
Change in Principal - Refund of Debt	0	0		0		
Change in bond premium - Refund of Debt	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Residual Equity Transfers	0	0		0		
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$2,256,422</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bond - 2025

Fund/Department No:

44280

33047300

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEGINNING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	0	0	0	71,805	71,805	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	71,805	71,805	N/A
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	0	0	0	577,285	577,285	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	577,285	577,285	N/A
<b>SPECIAL ITEMS</b>						
48004 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>649,091</b>	<b>649,091</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	0	0	0	799	799	N/A
SUBTOTAL	0	0	0	799	799	N/A
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	249,552	249,552	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	62,125	62,125	N/A
SUBTOTAL	0	0	0	311,677	311,677	N/A
<b>OTHER CHARGES</b>						
56030 Interest on LT Debt	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	1,400,000	1,400,000	N/A
SUBTOTAL	0	0	0	1,400,000	1,400,000	N/A
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	0	0	0	189,512	189,512	N/A
59005 Admin Control Acct Clearing	0	0	0	(189,512)	(189,512)	N/A
SUBTOTAL	0	0	0	0	0	N/A
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,712,476</b>	<b>1,712,476</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on bonds	0	0		0		
Proceeds from issuance	0	0		5,850,400		
Restricted cash with trustee (reserve)	0					
Debt Issuance Costs						
(Increase) / Decrease in Bonds Payable	0					
Amortization of bond discount	0	0		0		
Amortization of deferred amount of refunding	0	0		0		
Changed in Reserved Fund Balance	0					
Unrealized Gain/ Loss (GASB 31)	0					
Change in Principal - Refund of Debt						
Change in bond premium - Refund of Debt						
Residual Equity Transfers		0				
Rounding	0	0				
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$4,787,015</b>		

**FY 2025-26 BUDGET  
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds - 2025

Fund/Department No:

44275

33047200

Account Title	Actual 2023-2024	Estimated 2024-2025	Adopted 2024-2025	Requested 2025-26	Difference	Percent Change
<b>BEG. FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$0</b>		
<b>REVENUES</b>						
<b>USE OF MONEY / PROPERTY</b>						
44002 Interest on Pooled Cash	0	0	0	231,977	231,977	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>231,977</b>	<b>231,977</b>	<b>N/A</b>
<b>OTHER FINANCING SOURCES</b>						
47101 Transfers In - within a Fund	0	0	0	2,328,330	2,328,330	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,328,330</b>	<b>2,328,330</b>	<b>N/A</b>
<b>SPECIAL ITEMS</b>						
48004 Transfers In - within a Fund	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,560,307</b>	<b>2,560,307</b>	<b>N/A</b>
<b>EXPENDITURES</b>						
<b>SERVICES AND SUPPLIES</b>						
51242 Bank Charges	0	0	0	3,222	3,222	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,222</b>	<b>3,222</b>	<b>N/A</b>
<b>OTHER CHARGES</b>						
53103 Interest on LT Debt	0	0	0	1,006,501	1,006,501	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	250,565	250,565	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,257,066</b>	<b>1,257,066</b>	<b>N/A</b>
<b>OTHER CHARGES</b>						
56030 Interest on LT Debt	0	0	0	0	0	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>OTHER FINANCING USES</b>						
57011 Transfers Out - within a Fund	0	0	0	9,400,000	9,400,000	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,400,000</b>	<b>9,400,000</b>	<b>N/A</b>
<b>ADMIN. CONTROL ACCOUNT</b>						
59004 Administrative Control Account	0	0	0	764,346	764,346	N/A
59005 Admin Control Acct Clearing	0	0	0	(764,346)	(764,346)	N/A
<b>SUBTOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>TOTAL EXPENDITURES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,660,288</b>	<b>10,660,288</b>	<b>N/A</b>
<b>Adjustments to Reserves/Encumbrances:</b>						
Principal payments on bonds	0	0		0		
Proceeds from issuance	0	0		23,596,064		
(Increase) / Decrease in Bonds Payable	0	0		0		
Restricted cash with trustee (reserve)	0	0		0		
Amortization of bond discount	0	0		0		
Amortization of bond premium	0	0		0		
Amortization of deferred amount of refunding	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Change in Principal - Refund of Debt	0					
Change in bond premium - Refund of Debt	0					
Residual Equity Transfers		0				
Rounding	0	0		0		
<b>ENDING FUND BALANCE</b>	<b>\$0</b>	<b>\$0</b>		<b>\$15,496,082</b>		



**REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY25-26**

**A. ANNUAL DEBT SERVICE REQUIREMENTS**

	Common Facilities	O&M Fund	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities	Petaluma Pipeline Facilities
<b>2025 A Revenue Bond</b>	<b>44275</b>			<b>44280</b>		<b>44285</b>
PRINCIPAL	764,346	N.A	N.A	189,512	0	113,814
INTEREST	1,006,501	N.A	N.A	249,552	0	149,872
OTHER INTEREST - DEFERRED REFUNDING CHARGE	0	N.A	N.A	0	0	0
FISCAL AGENT FEES	3,222	N.A	N.A	799	0	480
DEBT ISSUANCE COSTS	250,565	N.A	N.A	62,125	0	37,310
Total Individual Bond Payments	2,024,635	N.A	N.A	501,987	0	301,475
Bond Reserve	303,695	N.A	N.A	75,298	0	45,221
<b>Total Individual Bond Debt Service</b>	<b>2,328,330</b>	<b>N.A</b>	<b>N.A</b>	<b>577,285</b>	<b>0</b>	<b>346,697</b>
<b>2015A Revenue Bond</b>	<b>44295</b>			<b>44290</b>	<b>44305</b>	
PRINCIPAL	693,418	N.A	N.A	286,145	20,438	N.A
INTEREST	358,736	N.A	N.A	117,500	11,846	N.A
OTHER INTEREST - DEFERRED REFUNDING CHARGE	4,516	N.A	N.A	5,058	0	N.A
FISCAL AGENT FEES	2,500	N.A	N.A	1,500	500	N.A
DEBT ISSUANCE COSTS						
Total Individual Bond Payments	1,059,170	N.A	N.A	410,203	32,784	N.A
Bond Reserve	158,876	N.A	N.A	61,531	4,918	N.A
<b>Total Individual Bond Debt Service</b>	<b>1,218,046</b>	<b>N.A</b>	<b>N.A</b>	<b>471,734</b>	<b>37,702</b>	<b>N.A</b>
<b>2019A Revenue Bond</b>	<b>44310</b>			<b>44320</b>	<b>44315</b>	
PRINCIPAL	339,551	N.A	N.A	N.A	120,450	N.A
INTEREST	247,983	N.A	N.A	N.A	87,968	N.A
FISCAL AGENT FEES	3,000	N.A	N.A	N.A	1,500	N.A
DEBT ISSUANCE COSTS						
Total Individual Bond Payments	590,534	N.A	N.A	N.A	209,918	N.A
Bond Reserve	88,581	N.A	N.A	N.A	31,488	N.A
<b>Total Individual Bond Debt Service</b>	<b>679,115</b>	<b>N.A</b>	<b>N.A</b>	<b>N.A</b>	<b>241,406</b>	<b>N.A</b>
<b>2022A Revenue Bond</b>	<b>44335</b>			<b>44325</b>	<b>44330</b>	
PRINCIPAL	553,767	N.A	N.A	243,114	153,120	N.A
INTEREST	558,233	N.A	N.A	154,190	51,678	N.A
FISCAL AGENT FEES	3,000	N.A	N.A	1,000	600	N.A
DEBT ISSUANCE COSTS						
Total Individual Bond Payments	1,115,000	N.A	N.A	398,304	205,398	N.A
Bond Reserve	167,250	N.A	N.A	59,746	30,810	N.A
<b>Total Individual Bond Debt Service</b>	<b>1,282,250</b>	<b>N.A</b>	<b>N.A</b>	<b>458,050</b>	<b>236,208</b>	<b>N.A</b>
<b>SRF LOAN</b>	<b>44265</b>					
PRINCIPAL	963,844	N.A	N.A	N.A	N.A	N.A
INTEREST	76,390	N.A	N.A	N.A	N.A	N.A
Total Individual Loan Payments	1,040,234	N.A	N.A	N.A	N.A	N.A
Reserve Requirement	156,035	N.A	N.A	N.A	N.A	N.A
<b>Total SRF Debt Service</b>	<b>1,196,269</b>	<b>N.A</b>	<b>N.A</b>	<b>N.A</b>	<b>N.A</b>	<b>N.A</b>
<b>SRF LOAN RESERVE</b>						
RESERVE		N.A	N.A	N.A	N.A	N.A
<b>Total SRF Debt Service</b>	<b>1,196,269</b>	<b>N.A</b>	<b>N.A</b>	<b>N.A</b>	<b>N.A</b>	<b>N.A</b>
<b>TOTAL DEBT SERVICE</b>	<b>\$6,704,009</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,507,069</b>	<b>\$515,315</b>	<b>\$346,697</b>
LESS REV. FROM N. MARIN REV. BOND CHARGES	796,359					
<b>REMAINING REVENUE REQUIREMENT</b>	<b>\$5,907,651</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,507,069</b>	<b>\$515,315</b>	<b>\$346,697</b>

**REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY25-26**

**A. ANNUAL DEBT SERVICE REQUIREMENTS**

Common Facilities	O&M Fund	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities	Petaluma Pipeline Facilities
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**B. CALCULATIONS OF WATER RATES FOR FY25-26**

	Common Facilities Debt Service Charge	O&M Fund Debt Service Charge	Water Conservation Debt Service Charge	Storage Facilities Revenue Bonds Charge	Sonoma Pipeline Facilities Revenue Bonds Charge	Petaluma Pipeline Facilities Revenue Bonds Charge
REVENUE REQUIREMENT	\$5,907,650.56	\$0	\$0	\$1,507,069	\$515,315	\$346,697
APPLICABLE BASE WATER DELIVERIES IN A.F.	30,085.78	42,311.0	42,311.0	30,085.78	3,564.8	22,139.2
CHARGES PER ACRE-FEET	<b>\$196.36</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$50.09</b>	<b>\$144.56</b>	<b>\$15.66</b>

**C. CALCULATIONS OF NORTH MARIN REVENUE BONDS CHARGE**

REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE ( <i>Remaining Facilities per RA 4.3a2</i> )	\$1,940,813
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (11.2/90.4))	240,455
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	5,357
NORTH MARIN REVENUE BONDS CHARGE	44.89
REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE ( <i>Additional Facilities per RA 4.3b9</i> )	4,084,081
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (19.9/146.2))	555,904
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	5,357
NORTH MARIN REVENUE BONDS CHARGE	103.77

**Remaining Facilities:** SRF Loan, 2015A Revenue Bond Refunding, 2022A Revenue Bond Refunding

**Additional Facilities:** 2015A Revenue Bond New Money, 2022A Revenue Bond New Money, 2025A Revenue Bond

**Excluded:** 2019A Revenue Bond - NMWD Paid Cash

FY25/26					
	Principal	Interest	Reserve Requirement	Fiscal Agent Fee + Other Charges	Total
SRF LOAN	963,844	76,390	156,035		1,196,269
2015A Revenue Bond	693,418	358,736	158,876	7,016	1,218,045
2015A Revenue Bond New Money	478,811	277,513	114,205	5,043	875,573
2015A Revenue Bond Refunding	214,606	81,223	44,670	1,973	342,472
2019A Revenue Bond	339,551	247,983	88,581	3,000	679,115
2022A Revenue Bond	553,767	558,233	167,250	3,000	1,282,249
2022A Revenue Bond New Money	293,067	470,246	114,806	2,059	880,178
2022A Revenue Bond Refunding	260,700	87,986	52,444	941	402,071
2025A Revenue Bond	764,346	1,006,501	303,695	253,787	2,328,330
2025A Revenue Bond New Money	764,346	1,006,501	303,695	253,787	2,328,330

**FY 2025-26 BUDGET**  
**Water Transmission System - Fund Balances and Operating Transfers**

Fund	Index	OT Out (57012)	To	OT In (47101)	Fund Bal. (Stmnt.)	Fund Bal. (Cash)	Diff.
Santa Rosa Aq. Capital Fund	44230	0		309,921	10,587,689	10,587,688	(0)
Petaluma Aq. Capital Fund	44235	0		1,450,000	2,975,215	2,975,215	0
Sonoma Aq. Capital Fund	44240	0		213,191	372,609	372,609	0
Petaluma Rev Bond 2025 Fund	44340	1,450,000	Petaluma AQ	346,697	2,256,422	2,256,422	0
Sonoma Rev Bond 2025 Fund	44285	0	Sonoma AQ	0	(0)	(0)	0
Sonoma Rev Bond 2015 Fund	44305	5,000	Sonoma AQ	37,702	6,100	6,100	0
Sonoma Rev Bond 2019 Fund	44315	90,000	Sonoma AQ	241,406	56,259	56,259	0
Sonoma Rev Bond 2022 Fund	44330	0	Sonoma AQ	236,208	102,392	102,392	0
Storage Rev Bond 2025 Fund	44280	1,400,000	Storage Facilities	577,285	4,787,016	4,787,015	(1)
Storage Rev Bond 2015 Fund	44290	70,000	Storage Facilities	471,733	18,399	18,399	(0)
Storage Rev Bond 2022 Fund	44325	100,000	Storage Facilities	458,050	23,811	23,811	0
Common Rev Bond 2025 Fund	44275	9,400,000	Common Facilities	2,328,330	15,496,082	15,496,082	0
Common Rev Bond 2015 Fund	44295	200,000	Common Facilities	1,218,046	32,768	32,768	0
Common Rev Bond 2019 Fund	44310	100,000	Common Facilities	679,114	27,886	27,886	0
Common Rev Bond 2022 Fund	44335	100,000	Common Facilities	1,282,250	1,279,637	1,279,637	0
State Loan Debt Service	44265	300,000	Common Facilities	1,196,269	17,712	17,712	0
State Loan Reserve	44270	0		0	0	0	0
Capital Lease Financing		0		0	0	0	0
Agency Fund (Discretionary)	44205	0	Common Facilities	0	7,498,963	7,498,963	0
Agency Fund (Charges)	44205	14,346,472		0			
Pipeline Facilities	44255			0	0	0	0
Storage Facilities	44250			1,570,000	140,327	140,327	0
Common Facilities	44260			10,100,000	433,522	433,523	1
North Marin	44300	0		0	31,616	31,616	0
Water Management Planning	44210			194,000	82,080	82,081	0
Watershed Planning/Restoration	44215			1,938,370	913,891	913,891	0
Recycled Water & Local Supply	44220			6,000	1,247	1,247	(0)
Water Conservation	44225			2,706,900	54,714	54,714	0
<b>Total</b>		<b>27,561,472</b>		<b>27,561,470</b>	<b>47,196,358</b>	<b>47,196,359</b>	<b>0</b>

Common Facilities OT - in 47101 From

Water Transmission (discretionary)	-
Water Transmission (Charges)	-
North Marin	-
2015 Bond Fund	200,000
2019 Bond Fund	100,000
2022 Bond Fund	100,000
2025 Bond Fund	9,400,000
State Loan Debt Service	300,000
	<u>10,100,000</u>

O&M Rate Computation  
Revenue Requirement - Transfers Out:

14,346,472

Agency Fund (Charges) OT - Out To:

<u>AQ Capital Funds</u>	
Santa Rosa Aq. Capital Fund	309,921
Petaluma Aq. Capital Fund	0
Sonoma Aq. Capital Fund	118,191
	<u>428,112</u>

Agency Fund (Charges) OT - Out To:  
Summary

AQ Capital Funds	428,112
Debt Service Funds	9,073,089
WT Subfunds	4,845,270
	<u>14,346,470</u>

Debt Service Funds

Petaluma Rev Bond 2025 Fund	346,697
Sonoma Rev Bond 2015 Fund	37,702
Sonoma Rev Bond 2019 Fund	241,406
Sonoma Rev Bond 2022 Fund	236,208
Sonoma Rev Bond 2025 Fund	0
Storage Rev Bond 2015 Fund	471,733
Storage Rev Bond 2022 Fund	458,050
Storage Rev Bond 2025 Fund	577,285
Common Rev Bond 2015 Fund	1,218,046
Common Rev Bond 2019 Fund	679,114
Common Rev Bond 2025 Fund	2,328,330
Common Rev Bond 2022 Fund	1,282,250
State Loan Debt Service	1,196,269
State Loan Reserve	0
Capital Lease Financing	0
	<u>9,073,089</u>

Capital Funds and North Marin

Pipeline Facilities	0
Storage Facilities	0
Common Facilities	0
North Marin	0
	<u>0</u>

WT Subfunds

Water Management Planning	194,000
Watershed Planning/Restoration	1,938,370
Recycled Water & Local Supply	6,000
Water Conservation	2,706,900
	<u>4,845,270</u>

Total 14,346,470

Capital Funds and North Marin

0

Total

14,346,470



# Sonoma Water

Clean. Reliable. Essential. Every day.

## FY 2025-2026 Proposed Budget and Rates Water Transmission System

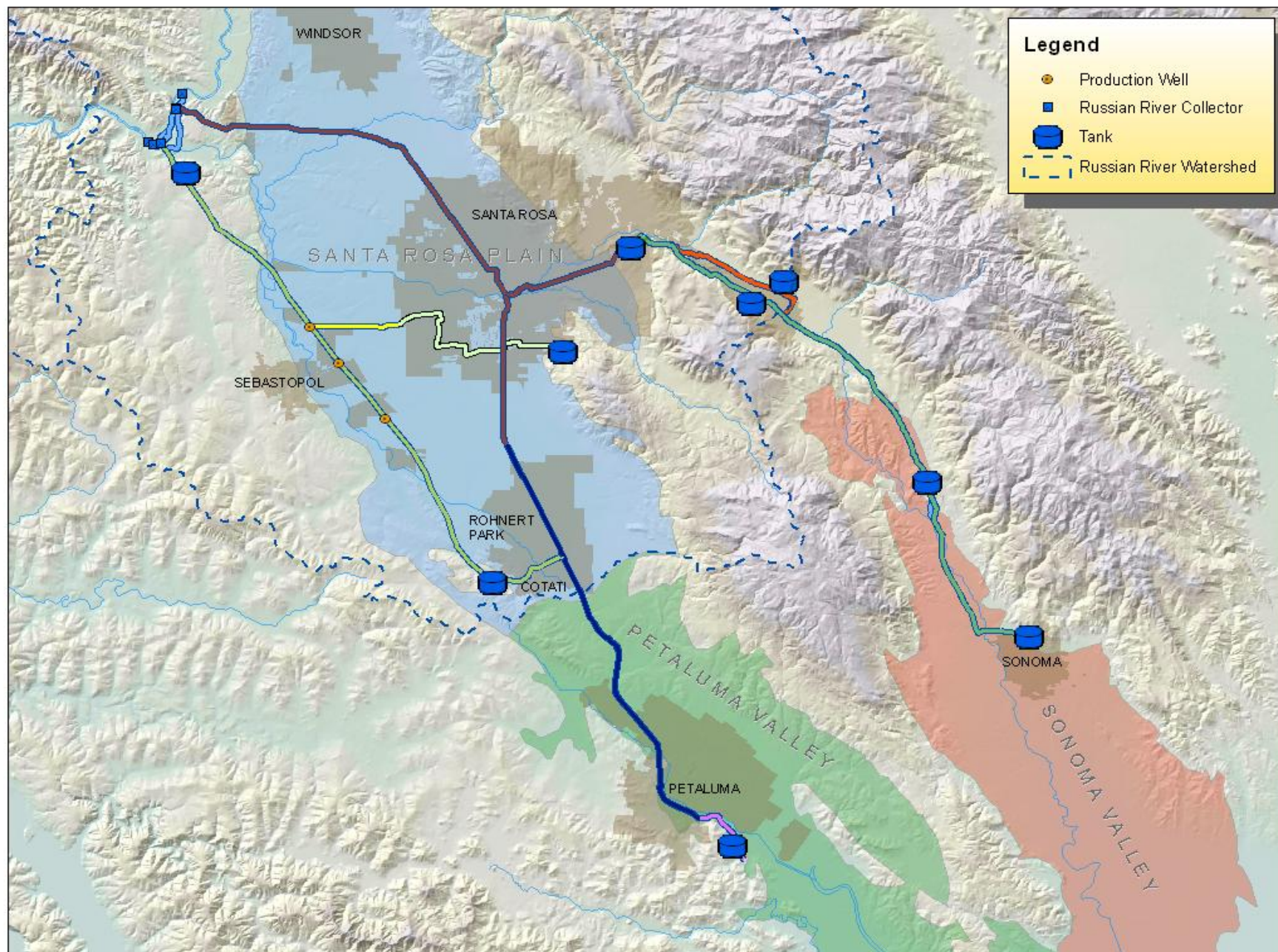
Lynne Rosselli  
FINANCIAL SERVICES  
DIVISION MANAGER  
[Lynne.Rosselli@scwa.ca.gov](mailto:Lynne.Rosselli@scwa.ca.gov)

Jake Spaulding  
FINANCE MANAGER  
[Jake.Spaulding@scwa.ca.gov](mailto:Jake.Spaulding@scwa.ca.gov)

    [sonomawater.org](http://sonomawater.org)







# Transparent and collaborative process to bring rates to Board of Directors by end of April

Technical  
Advisory  
Committee  
(Jan-March)

Water  
Contractor  
Boards &  
Councils  
(March)

Water  
Advisory  
Committee  
(April)

Sonoma  
Water Board  
of Directors  
(April)





# Budget includes multiple water transmission system activities and funds

- Operations and Maintenance
- Four Subfunds
- Five Capital Funds
- Debt Service Funds



# Asset Condition Assessment

- majority of facilities are now 45-65 years old
- 40% of our infrastructure assets currently have only 10 – 20% of their useful life remaining
- Consequence of failure is high





# Highlights of Sonoma Water and Water Contractor Achievements and Collaborations

- Santa Rosa Plain Wells
- Regional Water Supply Resiliency
- Hazard Mitigation Projects
- Sonoma-Marin Saving Water Partnership – Drought Resiliency
- Water Education Program
- Dry Creek Habitat Enhancement



## Highlights of Programs Funded from Other Sources

- Forecast Informed Reservoir Operations
- Advanced Quantitative Precipitation Information Systems
- Quagga and Zebra Mussels



# \$8.31 million budgeted for hazard mitigation projects to reduce risks

Ely BPS Flood Control & Electrical Upgrade

River Diversion Structure (RDS) Upgrade Project

Santa Rosa Creek Crossing

Seismic Retrofit of Storage Tanks

Wilfred Booster Station



# \$9.97 million budgeted for other capital projects to increase resiliency

Kawana-Ralphine SBS Pipeline

Mirabel Collector Wells Pump Hoist Upgrades

Mirabel/Wohler Storage Building

Occidental Road and Sebastopol Road Wells

Ralphine Tanks Flow Thru Conversion

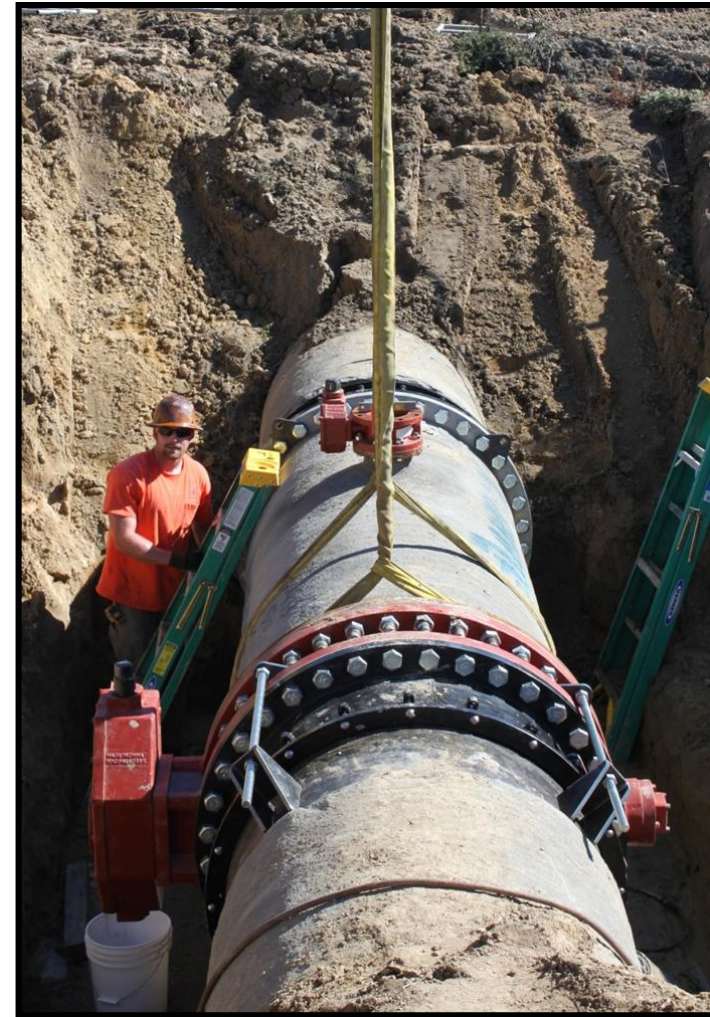
Todd Rd Well Discharge Connection

Warm Springs Dam Hydropower Retrofit

Water Treatment System Modernization Phase 1

Water Treatment System Modernization Phase 3

Total FY25-26 Capital Budget  
including Hazard Mitigation Projects:  
\$18.28M



# \$45.87 million budgeted for operations and maintenance to protect, improve and maintain system reliability

## **Projects**

Aqueduct Cathodic Protection

Pump 9 Replacement

Emergency Inventory Procurement

SCADA Improvements

Tank Recoats & Tank Maintenance Programs

## **Studies**

Arc Flash Studies

Asset Management Plan

Cathodic Protection Assessment

Regional Water Supply Resiliency Implementation

Transmission System Master Plan, Modeling & Condition Assessments Programs





# \$8.80 million for Biological Opinion, Water Supply Planning and Water Conservation



**IS YOUR TOILET  
RUNNING?  
BETTER CATCH IT!**

A leaky toilet is no joke and could cost you a lot of \$\$\$

**TAKE THE DYE TAB CHALLENGE**

Test your toilet(s) to see if you have a sneaky leak.

**SHARE YOUR RESULTS**

Visit us online to enter your toilet test results and be entered to win a \$25 gift card.

REQUEST FREE DYE TABS



[SavingWaterPartnership.org/challenge](http://SavingWaterPartnership.org/challenge)



# Expenditures compared to FY 24-25

	FY24-25	FY25-26	
	Budget (in Millions)	Budget (in Millions)	Change (in Millions)
Operations and Maintenance	\$45.41	\$45.87	\$.46
Capital Projects	\$15.66	\$18.28	\$2.62
BO Compliance, Water Supply Planning, Water Conservation	\$7.53	\$8.80	\$1.27
Debt Service	\$5.83	\$9.07	\$3.25
Totals	\$74.43	\$82.02	\$7.60

Grants, Use of Fund Balance,  
and Bond Proceeds

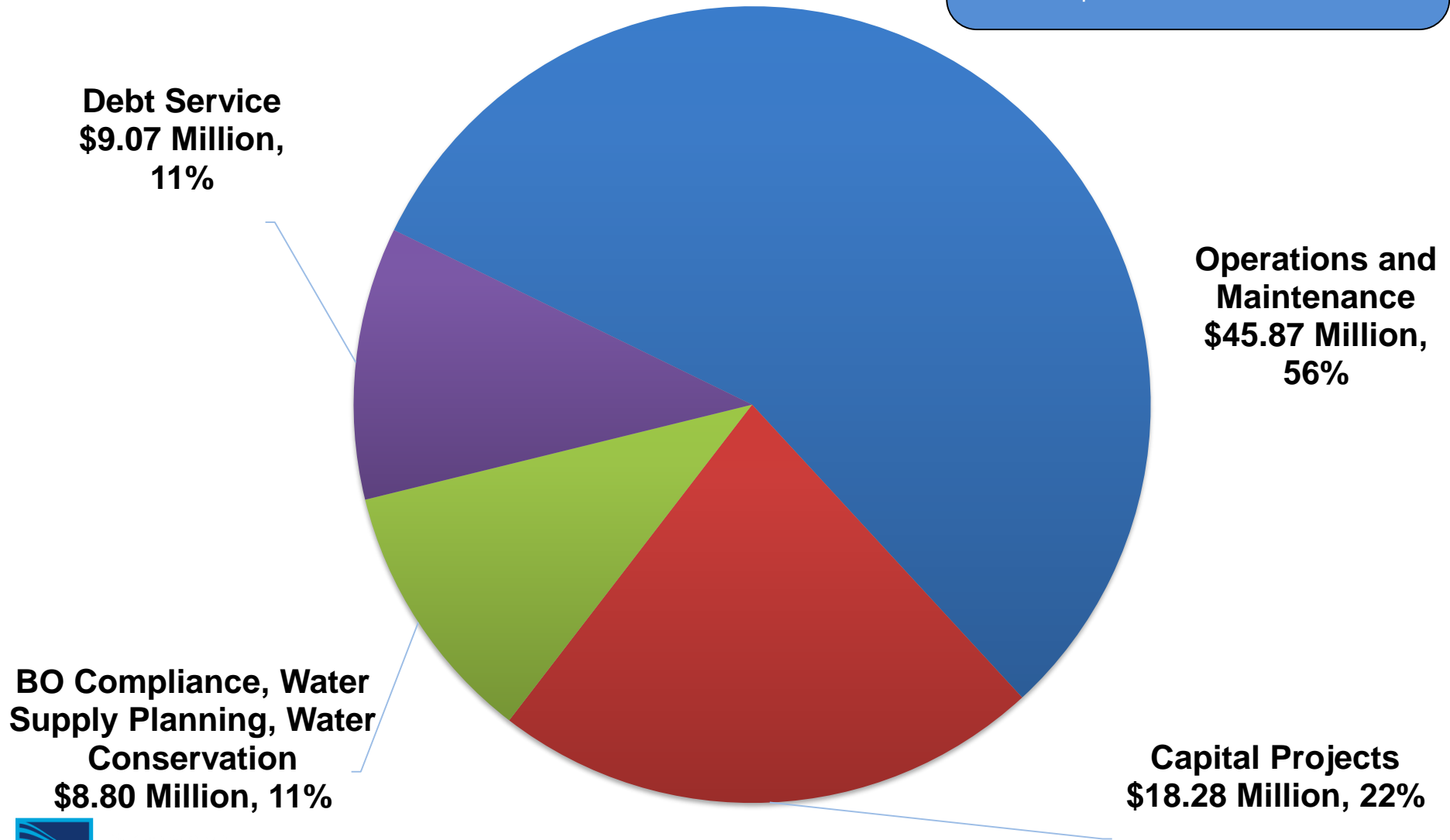
\$18.13

\$21.34

\$3.21

# FY 25-26 Budgeted Expenditures

Grants, Bond Proceeds,  
and Use of Fund Balance  
\$21.34 Million



# Example of how rates are calculated

$$\frac{\$59,370,000}{42,407 \text{ AF}} = \$1,400/\text{Acre Foot}$$

↑ Water Sold: Restructured Agreement requires use of the Lesser of:

42,407 AF

or

44,530 AF





# Deliveries and Rates

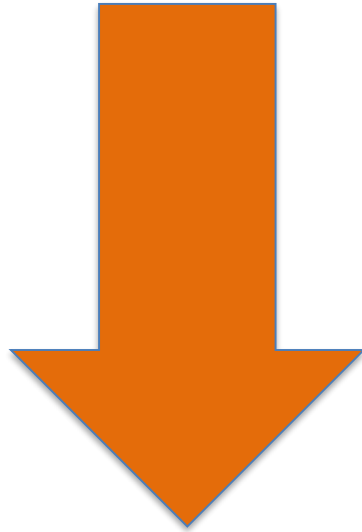
Due to the prescribed fully volumetric rate, budgeted deliveries have a significant impact on rate increases.

Scenario	Deliveries	Rate Increase (SR AQ)	Rate Increase (PET AQ)	Rate Increase (SON AQ)
3-Year Annual Ave (FY25/26 Budget)	42,407	8.68%	9.98%	7.60%

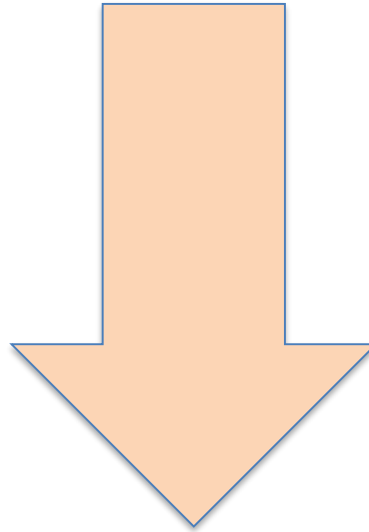
500 AF of deliveries = ~ 1.3% change to rate increase



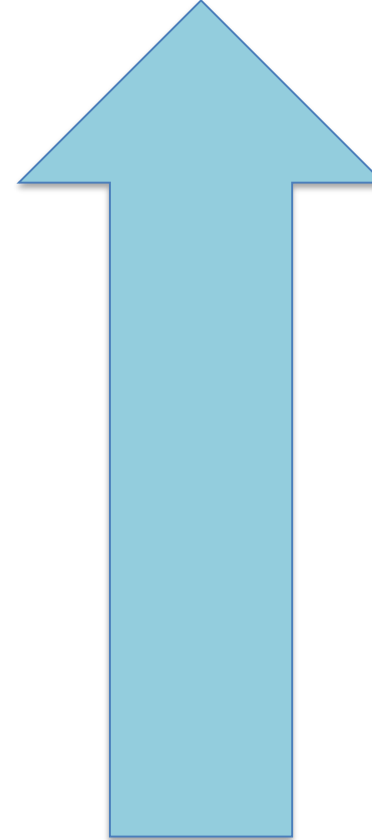
# Steps taken to reduce budget and rate



Deferred or reduced budget year non-routine maintenance projects by \$11.31 million



Deferred budget year capital projects by \$5.37 million and \$87.93 million in capital costs originally scheduled for FY26/27 and FY27/28.



Use of grants, bond proceeds, and fund balance = \$21.34 million

## Result:

NMWD Rate increase dropped from 19.96% to 6.30%

Total cost per gallon is \$0.004



# Proposed Rates for FY 25-26

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	42,407		
O&M	\$1,029.16	\$1,029.16	\$1,029.16
Water Management Planning	\$4.57	\$4.57	\$4.57
Watershed Planning & Restoration	\$45.71	\$45.71	\$45.71
Recycled Water and Local Supply	\$0.14	\$0.14	\$0.14
Water Conservation	\$63.83	\$63.83	\$63.83
<b>Total O&amp;M</b>	<b>\$1,143.41</b>	<b>\$1,143.41</b>	<b>\$1,143.41</b>
Storage & Common Bond/Loan Charges	\$246.45	\$246.45	\$246.45
Petaluma Aqueduct Bond/Loan Charge		\$15.66	
Sonoma Aqueduct Bond/Loan Charge			\$144.56
<b><i>Prime Contractors</i></b>	<b>\$1,389.86</b>	<b>\$1,405.52</b>	<b>\$1,534.42</b>
<b><u>Discretionary Charges</u></b>			
Capital Charges - to build fund balance for future projects	\$11.00	\$0.00	\$34.90
<b><i>Prime Contractors</i></b>	\$11.00	\$0.00	\$34.90
<b><i>Total Prime Contractors</i></b>	<b>\$1,400.86</b>	<b>\$1,405.52</b>	<b>\$1,534.42</b>
Total Overall Increase:	8.68%	9.98%	7.60%

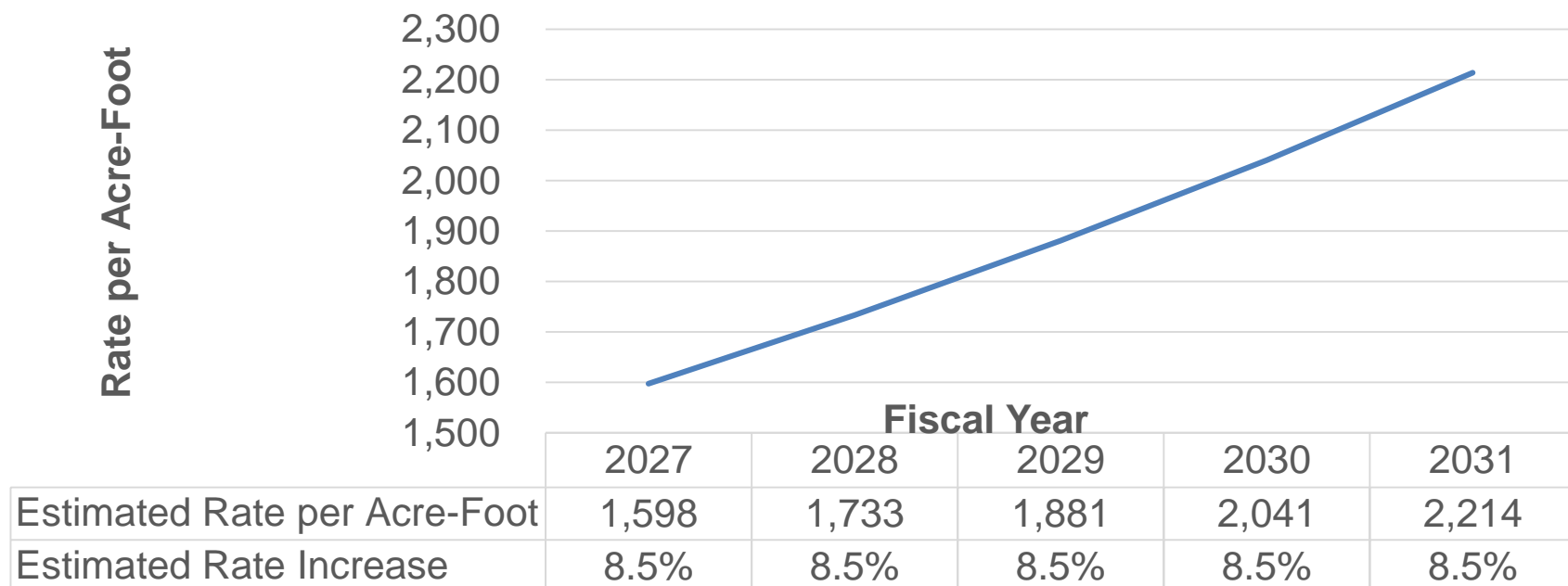
# Proposed North Marin Rates for FY 25-26

Charges	FY24-25	FY23-24
Deliveries (Acre-Feet)	5,357	
O&M Charge	1,143.41	1,115.33
North Marin Bond & Loan Charge	148.66	90.54
Russian River Conservation Charge	160.41	159.28
Russian River Projects Charge	20.00	20.00
<b><i>Total North Marin Water District Rate</i></b>	<b>1,472.47</b>	<b>1,385.15</b>
Total Overall Increase:	6.30%	
Total Estimated Annual Charge:	\$7,887,989	



# Long Range Financial Plan

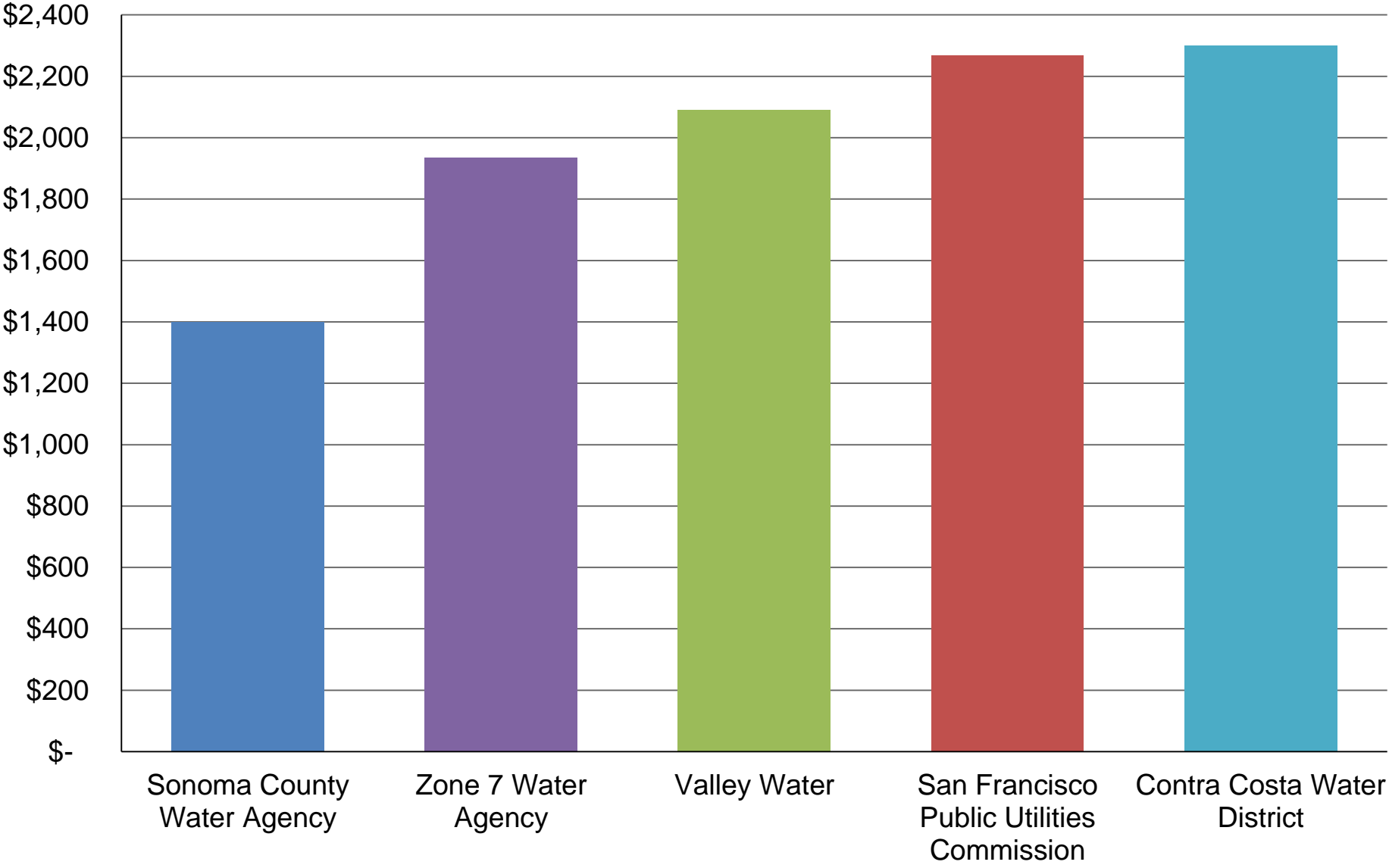
## Example North Marin Water District Rate Scenario



- Assumes Water Demand Growth of 1% based on FY 2025 Budgeted Deliveries of 42,407 AF. NMWD Deliveries: 5,400 AF to 5,800 AF. Higher Deliveries would reduce rates.
- Estimated 5% growth in O&M Expenses and 4% growth in capital project costs.
- Estimated FY 2028-2029 Financing: \$7 Million.



# 2025 wholesale water rates per Acre-Foot



# Next steps

- Technical Advisory Committee Vote – Monday, March 3
- Water Advisory Committee Vote – April 7
- Adoption by Sonoma Water's Board – April 22



# Sonoma Water Videos

## Investing in our infrastructure

Available in English and Spanish at  
[www.youtube.com/@sonomawater/videos](http://www.youtube.com/@sonomawater/videos)

[Value of water: A brief video on the value of our water supply](#)

[We are Sonoma Water: Where your water comes from](#)

[Water storage tank maintenance: A brief video on how we are working to keep our water storage facilities upgraded, reliable for today and future generations](#)

[Maintaining the Sonoma booster station: Keeping the drinking water flowing to Sonoma, Valley of the Moon Water District one booster station at a time!](#)

[Aqueduct corrosion protection program: A brief video on work to combat corrosion in our aqueduct](#)

[Russian River Aqueduct Crossing: Ensuring safe delivery of drinking water](#)

[Dry Creek habitat restoration: Protecting our natural pipeline, habitat](#)







Lynne Rosselli  
Financial Services Division Manager  
[Lynne.Rosselli@scwa.ca.gov](mailto:Lynne.Rosselli@scwa.ca.gov)

Jake Spaulding  
Finance Manager  
[Jake.Spaulding@scwa.ca.gov](mailto:Jake.Spaulding@scwa.ca.gov)

    [sonomawater.org](http://sonomawater.org)

6



## MEMORANDUM

To: Board of Directors Date: March 4, 2025

From: Eric Miller, Assistant GM/Chief Engineer *EM*  
 Avram Pearlman, Assistant Engineer *AP*

Subject: San Mateo Tank 24-Inch Transmission Main Project -  
 Environmental Permit Compliance During Construction

R:\Folders by Job No\7000 jobs\7150 San Mateo 24 In Trans Main\BOD Memos\Board Memos\ESA Additional Funding Request\BOD MEMO ESA Additional Funding Request.docx

**RECOMMENDED ACTION:** Board authorize General Manager to execute an agreement with ESA for Environmental Permit Compliance Support

**FINANCIAL IMPACT:** \$109,500 (includes a fifteen percent contingency).

### Background

The San Mateo Tank was constructed to serve the surrounding Zone 2 customers in 1966 but the tank was sized to accommodate future development along Mount Burdell that was ultimately removed from the City's General Plan. The undeveloped land became the Mount Burdell Open Space Preserve and trusted to the care of the Marin County Open Space District (MCOSD). At the time of construction, the 12-inch transmission line connecting the tank to the Zone 2 distribution system was considered temporary. However, the small size of this line restricts flow into the tank from the San Marin Pump Station, limiting energy efficiency and reducing available fire flows.

The District owns the parcel of land where the tank is located and has previously secured an easement through the Open Space Preserve for an upsized 24-inch pipeline from San Mateo Tank to Palmo Way, as was originally intended for built-out conditions (see Attachment 1, Vicinity Map). This existing easement alignment was found to pass through sensitive habitat and, after coordination with MCOSD, both parties agreed to re-route the upsized 24-inch pipeline to minimize impacts to rare and endangered species. The proposed design for the upsized 24-inch pipeline follows an alternate alignment, connecting to existing Zone 2 distribution system at the end of San Mateo Way rather than Palmo Way.

The District filed a Notice of Exemption (NOE) under CEQA (Categorical Exemption 3.d – Water Mains Extensions). The NOE was posted at the County of Marin on January 17, 2018 and received by the California State Clearinghouse on January 19, 2018. No comments were received during the 30-day notice period. The project was subsequently put on hold in 2018 due

to changes in capital improvement priorities. At this time, staff recommends proceeding with the project and has confirmed that no changes to the Project's CEQA status are required.

### Project Status

Even with the modified alignment, the new 24-inch pipeline will pass through open space habitat, including seasonal swales that drain waters of the State and the US. For this reason, permits from the following agencies were required and have been successfully obtained;

- US Army Corps of Engineers (USACE) under CWA Section 404
- California Department of Fish and Wildlife (CDFW) under F&G Code Section 1602
- San Francisco Bay Regional Water Quality Control Board (RWQCB) under CWA Section 401

In addition to the above resource agency permits, two other milestones are worth noting as described below.

1. A Temporary Construction Easement Agreement (TCEA) between MCOSD, as the landowner, and the District is required. The TCEA was signed by the District General Manager on November 17, 2020 and executed by the County of Marin Board of Supervisors on December 8, 2020. The TCEA has an expiration date of December 31, 2025.
2. In addition to the full on-site restoration of temporary impacts to approx. 0.01 acres (ac) of seasonal wetland swales from project implementation, the RWQCB permit required that additional compensatory mitigation be performed at a 0.1:1 ratio, to offset temporal losses. This results in a requirement for 0.001 ac (or ~45 sf) of compensatory mitigation. The RWQCB requested a proposal for accomplishing this additional compensatory mitigation, and had indicated that enhancement activities (such as vegetation enhancement) would satisfy this requirement. In coordination with MCOSD, another project on Mount Burdell was selected and the proposal was submitted to RWQCB. The compensatory mitigation measure was approved by the RWQCB on September 30, 2020. The District compensated MCOSD \$1,500 to offset restoration costs for the Two Brick Springs project (RWQCB Place ID 846331).

In anticipation of putting the Project out to bid this spring with construction planned to occur in Summer 2025, staff requested support from Environmental Science Associates (ESA) of Petaluma, CA to coordinate and manage the various environmental permit requirements during construction that will not be the responsibility of the Contractor. The attached proposal was received on February 24, 2025 (Attachment 2).

ESA's proposal demonstrates a comprehensive understanding of the Project's needs from an environmental permit compliance perspective, and the District has a long history working

with ESA to provide similar support for other projects. Additionally, ESA is already familiar with the Project, having prepared much of the environmental permit application information.

The cost of this service will be \$109,500, which includes ESA's proposed not-to-exceed fee, and a 15% contingency for unanticipated issues and/or schedule delays. This contingency will not be utilized without explicit authorization from District staff.

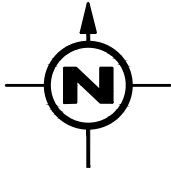
### RECOMMENDATION

That the Board authorize the General Manager to execute the agreement with ESA for Environmental Permit Compliance Support during the construction phase of the San Mateo Tank 24-inch Transmission Main Project in the amount of \$109,500.

### ATTACHMENTS:

1. Vicinity Map
2. ESA Proposal dated February 24, 2025





**SAN MATEO TANK – 24" TRANSMISSION MAIN  
FOR FIRE SAFETY AND RELIABILITY  
APNs 124-020-07, 124-020-24**

DATE	SCALE	JOB. NO.	DWG. NO.
2/10/21	NTS	7150	MAP





775 Baywood Drive  
Suite 100  
Petaluma, CA 94954  
707.795.0900 [phone](tel:707.795.0900)  
707.795.0902 [fax](tel:707.795.0902)

February 24, 2025

Mr. Avram Pearlman, PE  
North Marin Water District  
999 Rush Creek Place  
Novato, CA 94945

**Subject: Proposal to Provide Construction Compliance Support for NMWD Project 7150 San Mateo Tank 24" Transmission Main**

Dear Mr. Pearlman:

ESA is pleased to present this letter scope of work to provide environmental construction compliance support services to the North Marin Water District (NMWD) in support of the San Mateo Tank 24" Transmission Main Project (project) in Novato, California, in anticipation of project contract award in spring, and construction in summer, of 2025. The proposed services will be funded under a new agreement.

Pursuant to the requirements of your current state and federal environmental permits and approvals (e.g., USACE NWP, RWQCB 401 Certification, and CDFW SAA) that the project implement various pre-construction and during- construction measures aimed at protecting sensitive resources (e.g., jurisdictional waters, water quality, and sensitive biological resources) and your request to receive a proposal, following is ESA's scope of work and associated cost estimate to assist NMWD with the following environmental construction compliance support services:

1. Project Management and Agency Coordination Support
2. Special Status/Rare Plant Surveys and Report
3. Qualified Biologist Approvals and Worker Environmental Awareness Program (WEAP) preparation and training
4. Pre-construction nesting bird and bat surveys
5. Construction monitoring for work in jurisdictional waters/wetlands
6. Post-Construction Monitoring and Reporting
7. As Needed Biological Monitoring and/or Agency Coordination

The proposed scope of work for the above-listed tasks is detailed below; a cost estimate for the proposed work is further below.

## Tasks

1. **Project Management and Agency Coordination Support.** ESA will attend project management meetings, manage the timely execution of the tasks proposed herein, and coordinate with regulatory agency staff as needed, during pre-construction, during construction, and post-construction phases of project implementation. Agency coordination will include brief notifications (such as start of work or completion of work notices) as required by permits. This scope also includes ESA participation in up to one conference call with regulatory agency staff, and meeting notes (for a total of 2 hours). This task also includes a limited amount of agency



Mr. Pearlman  
February 24, 2025  
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coordination support (up to 8 hours) to clarify permit requirements, implementation methods, and/or reporting requirements. This task also includes 2 hours per month for 10 months for project management and coordination (20 hours). Lastly, this task includes two rounds of updates to the already developed Permit Status tracker (excel spreadsheet), the first to reflect current permit terms and conditions as of the start of this scope of work, and a second to reflect any adjustments made during pre-construction or during construction agency coordination.

2. **Special-status/Rare Plant Surveys and Report.** ESA will conduct surveys to identify presence of special-status plants in the project area. This scope includes two field surveys, each conducted by two experienced botanists, at the appropriate flowering seasons for special-status plants known or anticipated to occur in the project study area. Surveys will be conducted in accordance with the California Department of Fish and Wildlife's *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities* (CDFW 2009). If needed, ESA will make outreach to CDFW to 'confirm' protocol details, before conducting surveys. To ensure the target plant species are identifiable, ESA will conduct one survey for special-status plants of the project site in March and one survey in May or June. Surveys conducted during these periods will cover the blooming periods for all target plant species. This task includes a pre-field review and data analysis of the previous rare plant survey reports (2020 and 2021), search of the California Natural Diversity Database (CNDDB), the California Native Plant Society (CNPS) Inventory of Rare and Endangered Plants, the U.S. Fish and Wildlife Service (USFWS) IPaC Database, and any other pertinent data regarding species observations and distribution (Calflora, Consortium of California Herbaria, Jepson eflora). ESA will develop a list of special-status plant species with the potential to occur on the project site based on background data analysis. This list of special-status plant species will be the focus of botanical surveys.

Prior to the surveys, ESA will conduct a reference site visit of known populations of the focus species. This reference site visit will be used to observe accessible populations of target species to determine whether those species are identifiable at the time of the survey and to obtain a visual image of the target species, associated habitat, and associated species.

All plant taxa observed will be identified to the level necessary to determine status and recorded in a master list. Location, population characteristics, and vegetation community information for special-status plant populations will be recorded, and populations will be mapped according to the CDFW protocol. Voucher collections would be made, as necessary, according to the protocol and retained by ESA through the regulatory agency review process.

ESA will prepare a report that presents the methods and results of the floristic surveys, along with a comprehensive list of plants observed, following the conclusion of the second survey. An updated map depicting the habitats on the site will also be included with the report along with photos of special-status plants, if any are observed. ESA will incorporate one round of NMWD comments and edits into the report.

3. **Qualified Biologist Approvals, WEAP Preparation and Training.** At least 14 days prior to the start of Project activities, biologist resumes will be provided CDFW for written approval of all potential Qualified Biologists and Biological Monitors involved in conducting surveys and/or monitoring work. ESA will also provide updated special-status species database searches to catch any newly listed species or changes in listing status that could potentially impact the project permits and provide any new important information to NMWD.





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Page 3

A CDFW-approved Qualified Biologist will prepare and conduct an education program for all persons employed on the Project prior to performing covered activities. Instruction will consist of 1 presentation by the designated Qualified Biologist that includes a discussion of the biology and general behavior of any sensitive species which may be in the area, how they may be encountered within the work area, and procedures to follow when they are encountered. The status of CESA-listed species, including legal protection, penalties for violations, and Project-specific protective measures provided in this Agreement will be discussed. Interpretation will be provided for non-English speaking workers, and the same instruction shall be provided 1 additional time, for any new workers, prior to joining on-site Project activity. NMWD will be responsible for ensuring copies of the Agreement for this Project (as well as other required project permits) will be maintained at the worksite with the Project supervisor. Permittee or Qualified Biologist shall prepare and distribute wallet-sized cards or a factsheet handout containing this information for workers to carry on-site. Upon completion of the program, employees shall sign an affidavit stating they attended the program and understand all protection measures. These Forms will be filed at the Permittee's office and be available to CDFW upon request.

4. **Pre-construction Bird and Bat Surveys.** If construction, grading, vegetation removal, or other Project-related improvements will occur between January 15 and September 1, ESA will conduct a focused pre-construction nesting bird survey to identify any active bird nests in the Project area, within 7 days prior to the beginning of Project-related activities. If there is a lapse in Project-related work of 7 days or more, ESA will conduct another pre-construction nesting bird survey and consultation (if needed). The survey will be conducted by two biologists, including at least one Qualified Biologist. ESA will email the results of the survey to CDFW prior to the start of Project-related activities. If an active nest(s) is found, ESA will consult with USFWS and CDFW to determine the appropriate action to comply with the Migratory Bird Treaty Act. ESA will establish appropriate buffers around active nest(s), per agency consultation. The ESA biologists will also conduct a reconnaissance survey for signs of bat roosts during the nesting bird survey. If evidence of an occupied bat roost is identified during the survey, ESA will establish seasonally appropriate buffers around the roost. If work within the established buffers cannot be avoided, ESA will perform additional investigations (up to a total of 16 hours) of the roost to characterize the use of the roosting habitat and provide recommendations regarding specific measures which could be employed to avoid impacts to roosting bats. These additional investigations will be dependent upon specific roost characteristics and season and could include, but are not limited to, nighttime emergence surveys, direct physical inspection of roosts, and acoustic monitoring.
5. **Construction Monitoring during work in Jurisdictional Waters.** Construction monitoring will be provided by a Qualified Biologist or Biological Monitor on days construction personnel are scheduled to be working (including excavation, installation, and site restoration) in the jurisdictional aquatic features (i.e., swales) on the site, as required by the state and federal environmental permits issued to the project. We are assuming monitoring by 1 Qualified Biologist or Biological Monitor will be needed for no more than three weeks (10-hour days on-site, for 15 days). Additional monitoring, if required, could potentially be covered under Task 7.
6. **Post-Construction Monitoring and Reporting.** ESA will complete pre-construction and post-construction photo points and submit them to CDFW and RWCQB as required by the SAA and 401 Certification. ESA will also facilitate and submit a post-construction report to USACE. Other required post-construction monitoring will be performed by Marin County Parks or others.



Mr. Pearlman  
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7. **As Needed Biological Monitoring and Agency Coordination.** Additional biological monitoring and/or coordination with regulatory agencies, as may be determined necessary as the result of other tasks herein, would be provided under this task. Additional monitoring may include situations such as if the pre-construction bird and bat surveys or rare plant surveys reveal any species needing additional protection or monitoring. Additional agency coordination may include situations in which NMWD or their contractors need to request a modification to a permit requirement or avoidance measure, or in which approval for certain construction approaches requires agency approval. This task includes a total of up to 60 hours of on-site monitoring and/or agency coordination; services under this Task would only be carried out following explicit NMWD authorization.

## Assumptions

- The specifics of the above tasks are based upon permit conditions reflected in the following permits:
  - USACE NWP, File No. SPN-2019-00469, March 12, 2020
  - RWQCB 401 Certification, Place ID 862894, WDID No. 2 CW435565, November 9, 2020
  - CDFW SAA No. 1600-2019-0399-R3, April 14, 2020
- Cost estimates (below) are based upon a construction period occurring in 2025, for a duration of no more than 15 construction days with a need for a Qualified Biologist over a total of no more than 2 consecutive months. If these schedule specifics change, additional budget may be required. Additional monitoring by a Qualified Biologist is estimated to require approximately \$2,000 per day, for a 10-hour day including travel time.
- Assumes direct impacts to all special-status plants can be avoided. If full avoidance isn't possible, additional budget may be needed for additional planning, permitting, and/or monitoring.
- Assumes no permit amendments or additional regulatory permits will be required to enable construction implementation.
- WEAP training will be provided to construction crews two (2) times at the project's outset. If additional WEAP training sessions are needed, due to additions of new personnel, this additional effort could potentially be covered under Task 7 if needed.
- NMWD will contract directly with the Federated Indians of Graton Rancheria (FIGR) for any needed tribal monitoring, per the February 8, 2020 Agreement between NMWD and FIGR, in accordance with the project's issued USACE NWP permit and Section 106 consultation.
- NMWD will provide as-built drawings (if different from drawings submitted with the permit applications) to ESA within 30 days of completion of construction.
- One round of NWMD review and one round of ESA document revisions are assumed for each written deliverable, prior to finalizing/submitting to external agencies.
- If Artificial Intelligence (AI) tools are to be used by ESA in preparing written deliverables related to the services herein, this will be identified.



Mr. Pearlman  
February 24, 2025  
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## Cost Estimate

The cost estimate for the above-described scope of work is shown in the table below. ESA proposes to execute this scope of work on a time and materials basis, for a not-to-exceed amount of **\$109,500**, and in accordance with ESA's standard 2025 rates (**Exhibit B**). This estimate includes a 15% contingency fee (for issues such as contractor performance or unanticipated schedule delays, etc., and not to be utilized without explicit notice to NMWD), as well as other direct costs (ODCs) such as printing and records search fees, mileage and tolls associated with site visits, and printing fees for education materials. In the event of a necessary change to the scope, NMWD will be informed as soon as possible of the change and its effect on the cost, if any. ESA reserves the right to transfer fees among line items, for flexibility, to respond to shifts in effort that occur due to the unexpected.

Construction Compliance Task:	Estimated Budget:	Notes/Assumptions:
Task 1 – PM and Agency Coordination and Support	\$ 11,600	Includes 1 Agency meeting (2 hrs); brief Agency notifications (e.g., start and completion of work); 10 months project management and coordination (assumes 2 hrs/month); and 2 rounds of updates to the Project Tracker (xls) re. permitting status and requirements
Task 2 - Special Status/Rare Plant Surveys and Report	\$ 17,000	1 reference site survey (~March) and 2 project site surveys (~March and May/June) by 2 ESA staff
Task 3 – Qualified Biologist Approvals, Worker Environmental Awareness Program	\$ 10,500	Submittal of biologists' resumes to CDFW for approval (at least 14 days before start); preparation of training materials and pamphlets (English and Spanish); delivery of 2 pre-construction training sessions; and updated database searches
Task 4 – Pre-construction nesting bird and bat surveys	\$ 13,000	1 pre-construction nesting bird and bat survey (within 7 days of start), and 1 additional survey (due to lapse of work) by 2 ESA staff; up to 16 hours for roosting bat surveys, if needed
Task 5 – Construction Monitoring for Work in Waters	\$ 38,300	Assumes 10-hr days over 3 weeks (15 days) of work in/adjacent to waters, for 1 ESA staff
Task 6 – Post Construction Monitoring and Reporting	\$ 4,300	Site visits for pre- and post-construction photos, and submittal to CDFW and RWQCB; submittal of brief post-construction report (with as-builts) to USACE
Task 7 – As Needed Biological Monitoring and/or Agency Coordination	\$ 14,800	Up to 60 hours, as needed, and only with NMWD authorization
<b>Total</b>	<b>\$109,500</b>	

Upon receipt of a written notice-to-proceed (NTP), the proposed work could begin immediately, and would continue, as driven by specific permit measure requirements, through conclusion of construction in late 2025.

Please feel free to reach out with any questions. ESA is prepared to commence work upon receipt of an approved contract amendment and NTP. Thank you again for the continued opportunity to work collaboratively with you and your colleagues at NMWD.



Mr. Pearlman  
February 24, 2025  
Page 6

Sincerely,

A handwritten signature in black ink. The signature is written in a cursive style, with the first letter 'P' being large and prominent. The name 'Priya' is clearly legible, followed by a stylized 'F' and a long horizontal line extending to the right.

Priya Finnemore  
Senior Regulatory Specialist



## EXHIBIT B

# Environmental Science Associates & Subsidiaries: 2025 Schedule of Fees

## I. Personnel Category Rates

Charges will be made at the Category hourly rates set forth below for time spent on project management, consultation or meetings related to the project, field work, report preparation and review, travel time, etc. Time spent on projects in litigation, in depositions and providing expert testimony will be charged at the Category rate times 1.5.

LABOR CATEGORY	BILLING STEP I	BILLING STEP II	BILLING STEP III	BILLING STEP IV	BILLING STEP V	BILLING STEP VI
Senior Principal Consultant	\$258	\$285	\$314	\$344	\$375	\$405
Principal Consultant	\$218	\$248	\$276	\$305	\$334	\$363
Managing Consultant	\$197	\$219	\$243	\$266	\$289	\$312
Senior Consultant	\$163	\$180	\$202	\$223	\$245	\$266
Associate Consultant	\$147	\$162	\$175	\$189	\$203	\$217
Consultant	\$110	\$124	\$137	\$152	\$165	\$179
Project Technician	\$80	\$103	\$125	\$146	\$167	\$190

- The range of rates shown for each staff category reflects ESA staff qualifications, expertise and experience levels. These rate ranges allow our project managers to assemble the best project teams to meet the unique project requirements and client expectations for each opportunity.
- From time to time, ESA retains outside professional and technical labor on a temporary basis to meet peak workload demands. Such contract labor may be charged at regular Employee Category rates.
- ESA reserves the right to revise the Personnel Category Rates periodically to reflect changes in its operating costs.

## II. ESA Expenses

### A. Travel Expenses

- Transportation
  - Company vehicle – fixed rate + fee for mileage in excess of 100 miles.
  - Common carrier or car rental – actual expense multiplied by 1.15
  - If company vehicle is to be used in off-road conditions, a daily \$15 use fee will be added to the standard daily vehicle rate.
- Lodging, meals and related travel expenses – direct expenses multiplied by 1.15

## B. Technology and Data Management Fee - waived for NMWD 2/24/2025 scope of work (as verified by P. Finnemore)

Non-travel expenses incurred for the duration of the agreement for project support but not itemized below. Project labor charges multiplied by 3%. Fee encompasses the following:

1. Ongoing long-term retention and retrieval, management, and security of project-related data.
2. Proprietary tools, cloud data services, data science and AI capabilities as required for project delivery.

## C. Cloud-based Services

ITEM	RATE/HOUR	RATE/DAY	RATE/WEEK	RATE/MONTH
<b>Cloud-based Services</b>				
Nearmap High Resolution Images		\$55/image		
ArcGIS Online Hosting (Web Maps/Apps)				\$225
Website Hosting				\$200
Custom Application & Services Hosting*				\$300*
Modeling (GeoHECRAS, TUFLOW, Delft3D) + Drone Processing	\$7	\$160	\$950	\$3,900
Aviation Environmental Design Tool (AEDT) Processing	\$13	\$190	\$1,120	\$4,600
*includes support for database, SSL, IT support – costs vary by project. Contact software development services for firm pricing.				

## D. Printing/Reproduction Rates

If a weekly or monthly rate is not provided, equipment usage is billed at a daily rate.

ITEM	RATE/PAGE	SAMPLE PRICING
Black & White – 8.5 x 11	\$0.15	
Black & White – 11 x 17	\$0.30	
Color – 8.5 x 11	\$0.50	
Color – 11 x 17	\$0.80	
B&W – Plotter (Toner – ECO Quality)	\$0.50/sf	24x36 B/W CAD drawing would cost \$3 per sheet
B&W – Plotter (Toner – Presentation Quality)	\$1.25/sf	24x36 B/W CAD drawing would cost \$7.50 per sheet
Color – Plotter (Inkjet – ECO Quality)	\$2.50/sf	24x36 Color Drawing would cost \$15 per sheet
Color – Plotter (Inkjet – Presentation Quality)	\$5.00/sf	24x36 Color Drawing would cost \$30 per sheet
CD	\$10.00	
Digital Photography	\$20.00 (up to 50 images)	
All Other Items (including bindings and covers)	At cost plus 10%	

## E. Equipment Rates

ITEM	RATE/DAY	RATE/WEEK	RATE/MONTH
<b>Project Specific Equipment:</b>			
Vehicles – Standard size (no off-road usage)	\$ 100 <sup>a</sup>	\$ 500 <sup>a</sup>	
Vehicles – 4x4 /Truck (light duty)	150 <sup>a</sup>		
Vehicles – 4x4 /Truck (heavy duty)	175 <sup>a</sup>		
Vehicles – ATV	150		
Noise Meter	115		
Hydroacoustic Noise Monitoring Equipment	175		
Satellite Phone	15	70	250
Electrofischer	350	1,750	
Field Traps	50		
Digital Hypsometer (Nikon)	25		
Backpack Sprayer	30		
360-Degree 4k Camera	35	175	
High Resolution Time-Lapse Camera	20	100	350
Beach Seine	60		
Block Net	30		
PIT Tagging Kit	25		
Underwater Light Meter		500	
Otter Trawl	115		
Wildlife Acoustics Bat Detector	125	400	
Wildlife Trail Camera	30	100	
Fiber Optic Endoscope	150	750	
Spotting Scope	50	200	
Personal Protective Equipment (PPE)	25		
<b>Topographic/Bathymetric Survey Equipment:</b>			
Total Station	300		
UAV/Drone	300	1,500	
RTK-GPS	300		
RTK-GPS Smartnet Subscription	80		
Hypack Survey Software	150		
Laser/Auto Level	50		
Single-Beam Echoshounder	175	600	
Sidescan Sonar	200		
Sound Velocity Profiler	75		
1m GNSS Data Collection System	85	425	1,700
Sub-meter GNSS Data Collection System	115		
Sub-foot Data Collection System	230		
Garmin GPS or equivalent	30		
<b>Hydrologic Data Collection, Water Current, Level and Wave Measurement Equipment:</b>			
ISCO 2150 Area Velocity Flow Logger	\$ 50	\$ 300	\$ 800
SonTek IQ-Plus Area Velocity Flow Logger	100	500	1,500
Logging Rain Gage	10	50	200
Hand-Held Current Meter	50		
Surface Velocity Radar	50		
Wave Pressure Sensor		115	460
Wave Buoy		175	700
Sonic Wave Sensor	35	175	500
Logging Water Level - Pressure Transducer			125
Logging Barometric Pressure Logger			60
Well Probe / Water Level Meter	25		
Bottom-Mounted Tripod / Mooring	30	150	400
Stormwater Crest Sampler			20
Radar Wave Sensor with Logger Box	150	300	1000
<b>Water Quality Equipment:</b>			
Logging Turbidimeter/Water Level Recorder	\$	\$	\$ 400
Logging Conductivity/Water Level Recorder			250
Remote Monitoring Logger Box		75	250

ITEM	RATE/DAY	RATE/WEEK	RATE/MONTH
Recording Conductivity Meter w/Datalogger	20	60	200
Hand-Held Turbidimeter	50	200	
Hand-Held Salinity Meter or pH meter	35		
Logging Salinity Gauge			150
Logging DO/Temp Probe			150
Logging Water Quality Sonde 1 Sensor	50	200	700
Logging Water Quality Sonde 2 Sensor	65	250	800
Logging Water Quality Sonde 3 Sensor	75	300	900
Logging Water Quality Sonde 4 Sensor	90	350	1,000
Telemetry System Hardware			125
Water Quality Multi-Probe Depth Profiler	200		
Niskin Water Sampler	50		
ISCO 6712 Portable Sampler w/ISCO 2105 Module	60	350	900
<b>Sedimentation / Geotechnical Equipment:</b>			
Peat Corer	\$ 85		
60lb Helly-Smith Bedload Sampler	200		
Mini-Ponar Grab Sampler	50		
DH-76 Suspended Sediment Sampler	100		
D-96 Suspended Sediment Sampler	200		
Bridge Crane	150		
RSET	50		
AMS Soil Sampling Kit	50		
Hand-Held Helley-Smith Bedload Sampler	30		
Guelph Permeameter	60		
Sludge Sampler	60		
Shear Strength Vane	60		
Handheld DH-48 Suspended Sediment Sampler	30		
<b>Boats:</b>			
Small Watercraft	\$ 75	\$ 300	
15'-17' Boat	350	1,200	
18'-21' Boat	400	1,800	
22'-25' Boat	500	2,000	
Houseboat Floating Laboratory		4,500	

<sup>a</sup> Actual project charges will include the daily rate plus \$0.75 per beyond 100 miles

### III. Subcontracts

Subcontract services will be invoiced at cost multiplied by 1.15.

### IV. Other

The fees above do not include sales tax. Any applicable or potential sales tax will be charged when appropriate.

### V. Payment Terms

Unless otherwise agreed in writing, ESA will submit invoices on a monthly basis. Any unpaid balances shall draw interest at one and one half percent (1.5%) per month or the highest rate allowed by law, whichever is lower, commencing thirty (30) days after date of invoice. All invoices not contested in writing within fifteen (15) business days of receipt are deemed accepted by Client as true and accurate and Client thereafter waives any objection to Clients invoices, which are payable in full.



**7**

**MEMORANDUM**

To: Board of Directors

Date: March 4, 2025

From: Eric Miller, Assistant GM/Chief Engineer *EM*  
Tim Fuelle, Senior Engineer *TF*Subject: Oceana Marin Wastewater Treatment and Storage Pond Repair Project  
Project Completion Presentation

R:\Folders by Job No\7000 jobs\7173 OM Pond Rehab-404 Grant\7173.02 Phase 2 -Construction\2. BOD Memos\2024-12-16 Board Meeting Presentation\7173.02 OM Pond Project Closeout BOD Memo.doc

**RECOMMENDED ACTION:** Information Only – Receive Project Completion Report**FINANCIAL IMPACT:** NoneDiscussion

The District awarded the construction contract for the Oceana Marin Wastewater Treatment and Storage Pond Repair Project (Project) to Argonaut Constructors, Inc. of Santa Rosa, CA on October 23, 2023. All work performed by Argonaut was inspected by District staff and was deemed to be complete on October 28, 2024. The Project's Notice of Completion was filed with the Marin County Clerk on January 24, 2025 and publicly posted until February 23, 2025. The District did not receive any protests, liens or claims during the posting period and will issue final payment (release of retention) to Argonaut on the week of March 10, 2025.

Staff would like to take the opportunity to provide the Board a brief presentation related to the Project's construction activities.

Project Cost Summary

The Project is partially funded (75%) by the Hazard Mitigation Grant Program sponsored by FEMA and partially funded (25%) by the required District local match. In February 2025, the District was notified by the California Office of Emergency Services (Cal OES) that the Project's final reimbursement request was approved, confirming a total reimbursement amount of \$1,537,786.50. A portion of the reimbursement payments are retained by FEMA (\$147,860.25) and will be released following completion of all grant closeout documentation.

ATTACHMENT: 1. Presentation Slides dated March 4, 2025



**NORTH MARIN  
WATER DISTRICT**

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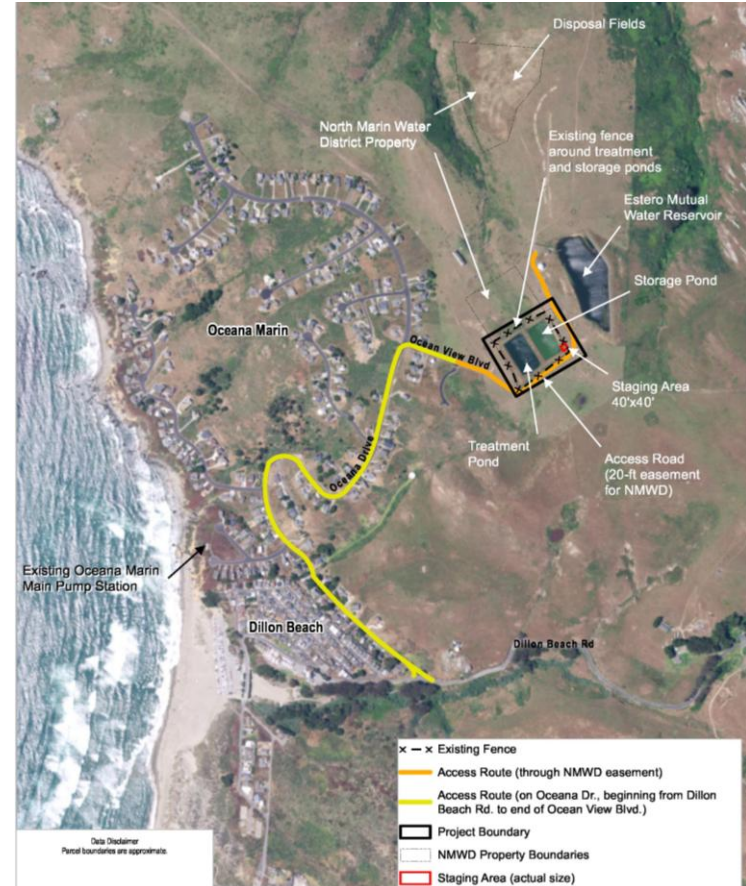
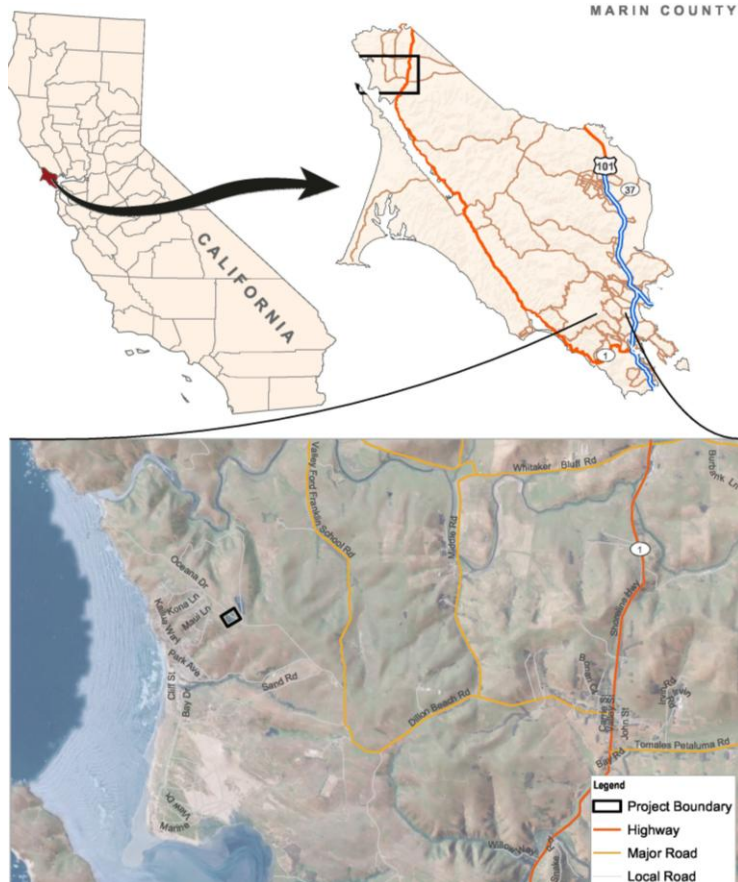
# **Oceana Marin Wastewater Treatment and Storage Ponds Rehabilitation**

**March 4, 2025**

# Agenda

- Project Summary and Location
- 2017 Emergency Repair
- Overview of Construction Activities
  - Field Investigation
  - Preparing the Site
  - Canyon Rock Quarry
  - Phase 1
  - Phase 2

# Project Summary and Location



# 2017 Emergency Repairs



2017 Storm  
Repairs

OM Subdivision

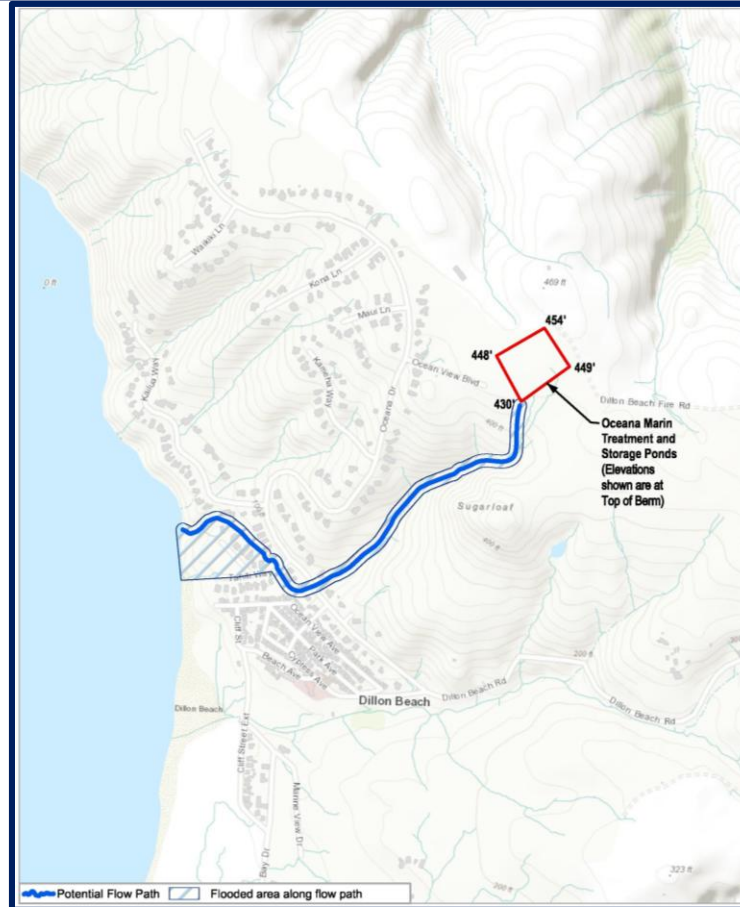
Treatment Pond

Storage Pond





# 2017 Emergency Repairs –Potential Flow Path





# Overview of Construction Activities



# Preparing the Jobsite



Wetland Protection and Temporary  
Construction Entrance



Biological Survey and Slope  
Clearing



# Canyon Rock Quarry



Canyon Rock Quarry



Riprap Delivery to Jobsite



# Phase 1 Storage Pond Construction



Storage Pond Slope Excavation



Fabric and Riprap Installation





# Phase 1 Storage Pond Construction Cont'd



ABS and Gate Valve Installation



Storage Pond Aerial



# Phase 2 Treatment Pond Construction



Treatment Pond Dewatering



Fabric and Rock Installation



# Phase 2 Treatment Pond Construction Cont'd



Estero Power Line Alignment



6" FM Emergency Repair





# Phase 2 Treatment Pond Construction Cont'd



ABS Installation



Treatment Pond Aerial



# Final Site Stabilization and Erosion Control



Completed Storage and Treatment  
Ponds Aerial







**Questions?**

8

**MEMORANDUM**

To: Board of Directors  
From: Tony Williams, General Manager   
Subject: Oceana Marin and Sewer Services to Dillon Beach Properties Update  
t:\gm\bod memos 2025\3-4-25 meeting\om update\3-4-25 bod memo ocean marin update\_fy26 plan.docx

Date: March 4, 2025

**RECOMMENDED ACTION:** Provide Direction to Staff**FINANCIAL IMPACT:** To Be Determined

In 1995, 2013, and recently in October 2022, the District sent formal letters to the Director of the Marin County Community Development Agency (CDA; formerly known by other titles) regarding new sewer connections to the Oceana Marin (OM) system. These letters have consistently expressed the District's position regarding expansion of existing sewer services and noted that other than select parcels located on Ocean View Avenue which front an existing sewer main, NMWD would not consider any new annexations to the Improvement District. The District has been providing sewer collection and treatment to OM since 1973 through the creation of three separate Improvement Districts to fund the sewer infrastructure.

The properties in the Dillon Beach Village area, located south of the OM boundary, are dependent on individual onsite septic systems, many predating modern codes and practices. As previously reported to the Board, CDA received a state grant in 2021 to conduct a wastewater feasibility study of the Dillon Beach Village area. In late July 2022, District staff received a draft study report from the County's consultant, Questa Engineering Corporation, and after receiving comments from District staff, a final report was completed in October 2022. The Report concludes that connection to the District's OM System is the best alternative for the properties with septic systems. Specifically, the Report's Alternative 3b, which consists of connecting the "Village Area" to OM for a total of 152 equivalent single-family dwellings, is the top ranked alternative. The next top ranked alternative, Alternative 3a, is connection of the entire study area to OM (190 equivalent single-family dwellings).

Since completion of the report, subsequent community meetings have been held between the County and the Dillon Beach Village community. In addition, several meetings have been held by the County with District staff participation, as well as informal meetings with Marin LAFCo after the completion of the report. Based on meetings with County staff, there appears to be a strong desire to move forward with the expansion of the OM system, including annexation of

the properties identified in the top ranked alternatives. Due to the proximity of the Dillon Beach Village community to the District OM System, Marin LAFCo has indicated that the District is the most appropriate agency to address wastewater issues of the community through the annexation process unless a new agency is formed. Marin LAFCo did approve a new Sphere of Influence (SOI) for the District in August 2024 as part of their 2024 Multi-Regional Municipal Service Review (Resolution 24-05) and the Dillon Beach Village area is not included in that SOI mapping (See Attachment 2).

Follow-up Actions:

Staff feel that the conclusion of the Report is misleading to residents affected by the top ranked alternatives, specifically with respect to costs and the annexation process. As discussed with County staff during a meeting in February of 2023 and again in August of 2024, additional information regarding the preferred alternatives identified in the Report by Questa is needed. To effectively communicate the overall costs associated with a potential annexation and connection to NMWD's OM System, a connection fee and rate study is necessary. The scope of work is summarized below:

- Independent Review of Proposed New Infrastructure and Costs: this task includes review of the various sewer infrastructure elements (collection pipelines, force mains, lift stations, leach field expansion, etc.) described in the Report and associated costs, as well as other costs. The reviewed/updated costs will be used for the tasks below;
- Develop a Financial Plan: this task includes the development of a long-range financial planning model as well as a short-term/initial rate schedule;
- Cost of Service Analysis: this task is required because of potential commercial accounts and to ensure compliance with Prop 218;
- Facility Connection Charge Calculations: this task includes the analysis and calculation of connection charges (*note that the current connection charge in NMWD's Regulation 109 is based on incremental cost methodology and capital projects for the existing sewer system and not major expansion of the system*);
- Recommendations and Final Report: this task includes presentation of draft findings and preparation of an administrative draft and final study report to establish true costs to a property owner.

District staff have made it clear to the County that the cost for conducting a connection fee and rate study can't be borne by the District. However, staff see a benefit in directly managing such an effort if the work is included in the District's overall workplan. Staff plan to use Hildebrand Consulting for the necessary connection fee and rate study with support from Nute Engineering and staff. The estimated cost is still being developed but is at least \$65,000. The County has indicated that funding for this effort will be provided to the District. Therefore, unless the Board

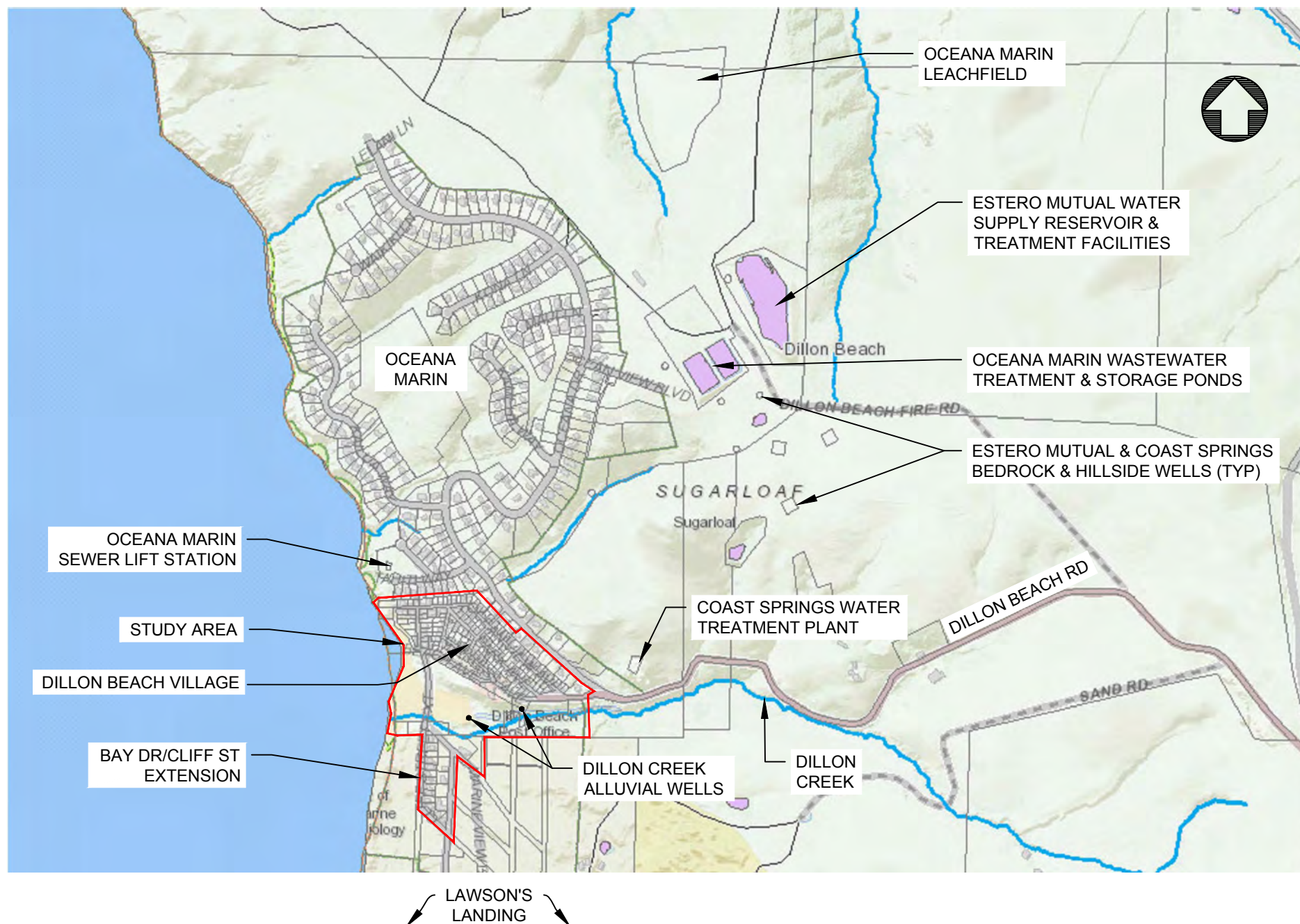
directs otherwise, staff plans to include a line item in the Fiscal Year 2025-26 Capital Improvement Program under “Special Studies” for the connection fee and rate study. Based on other District priorities, it is anticipated that the work would not begin until early spring 2026. However, prior to initiating the work described herein, there will be two conditions that have to be met:

- 1) The County confirms the necessary funding is available; and
- 2) All outstanding reimbursements for the *OM Wastewater Treatment and Storage Pond Repair Project* (J-8.7173) are received from FEMA.

If either of the above conditions are not met during the next fiscal year period, the connection fee and rate study will not be initiated.

ATTACHMENT:

1. Figures Dillon Beach Village Wastewater Feasibility Study 2022 (4 pages)
2. LAFCo Sphere of Influence – North Marin Water District (Oceana Marin Area)



**DILLON BEACH VILLAGE  
WASTEWATER STUDY**  
DILLON BEACH, CA

**QUESTA**  
ENGINEERING CORP.  
Civil Environmental & Water Resources  
(510) 236-6114  
FAX (510) 236-2423  
P.O. Box 70356 1220 Brickyard Cove Road Point Richmond, CA 94807  
questa@questaec.com

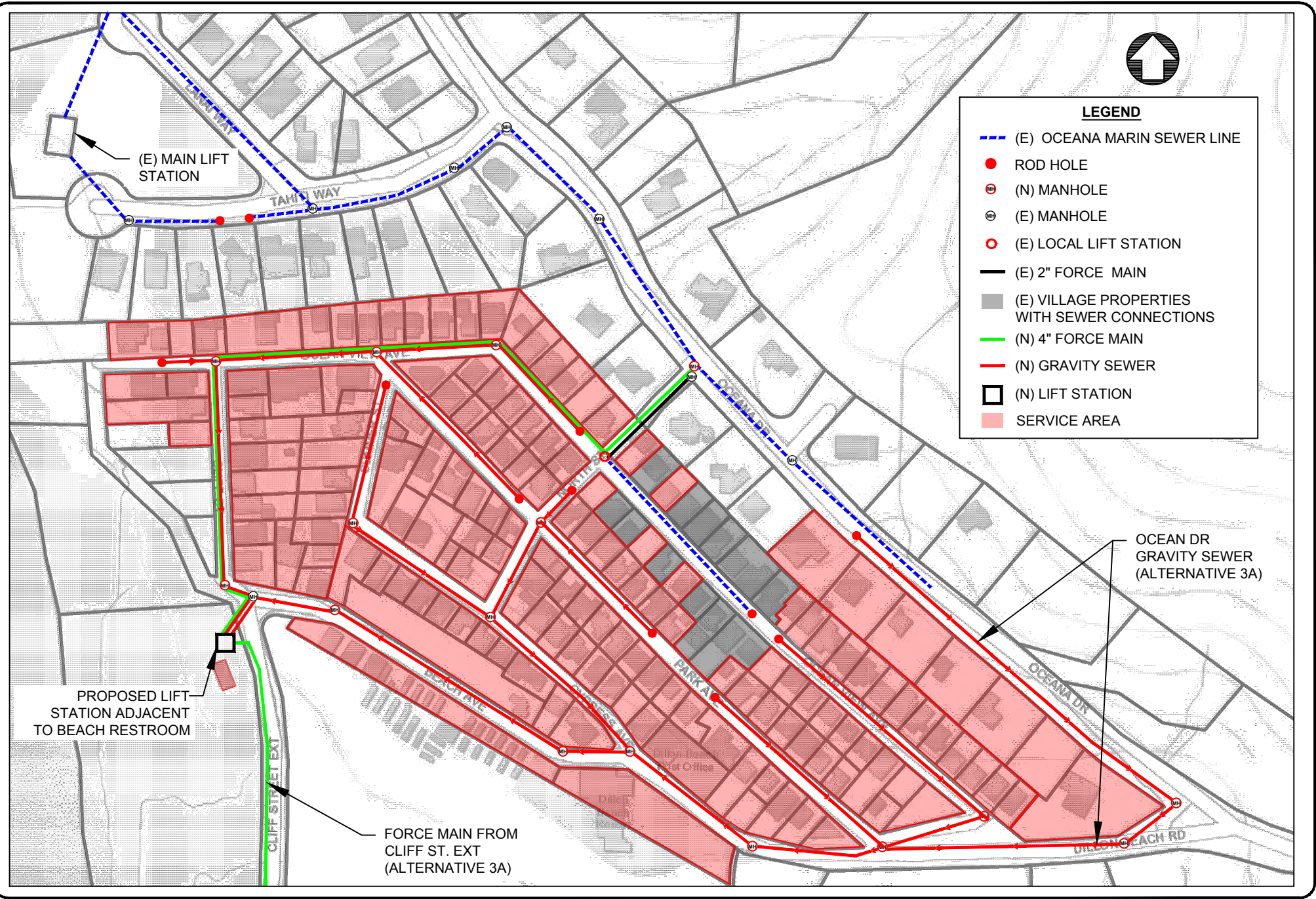
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**DILLON BEACH VICINITY MAP**

DILLON BEACH, CA

FIGURE  
3-1





**DIILON BEACH VILLAGE  
WASTEWATER STUDY**  
DILLON BEACH, CA

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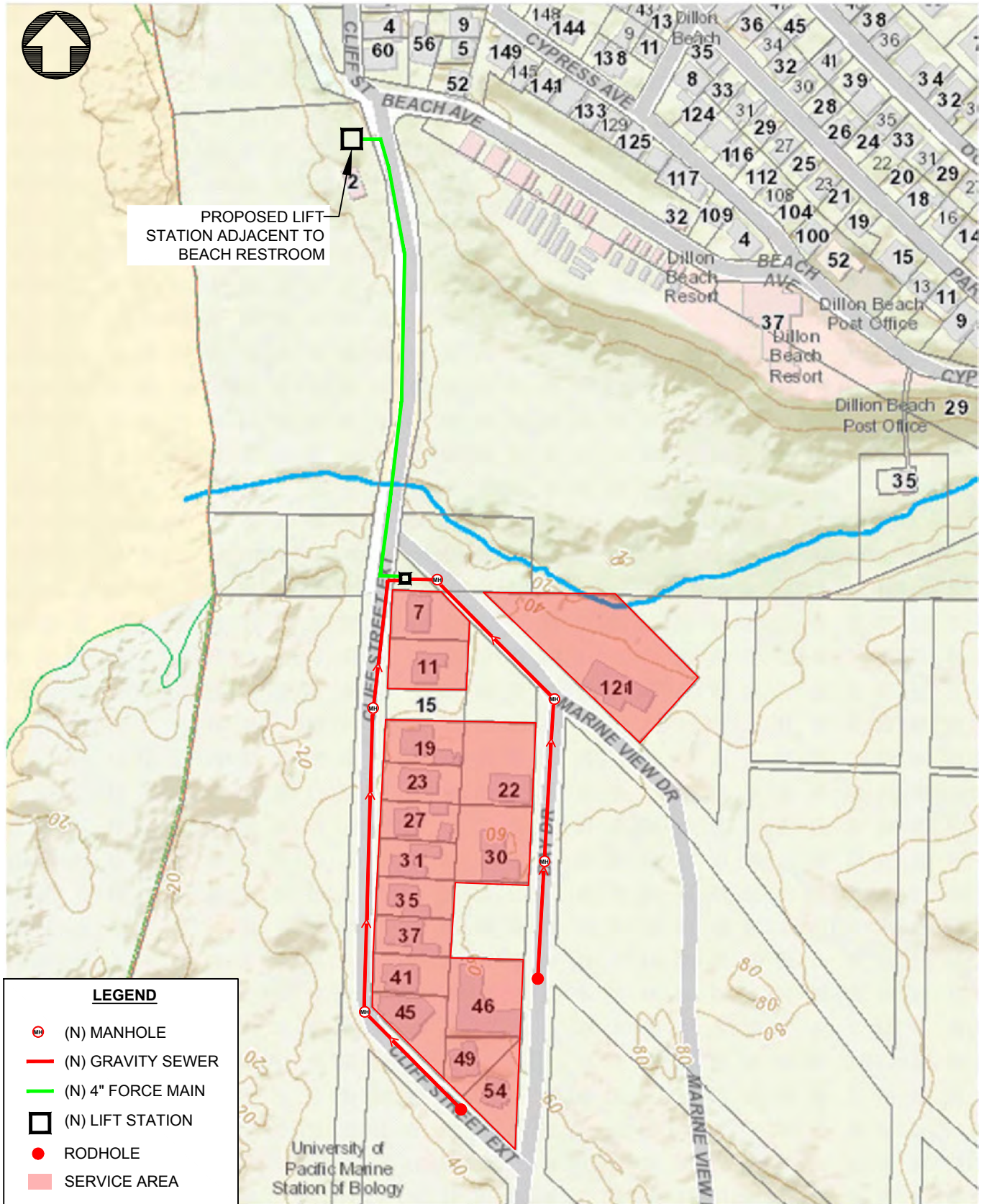
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**ENTIRE STUDY AREA  
GRAVITY SEWER - ALTERNATIVE 3A**  
DILLON BEACH, CA

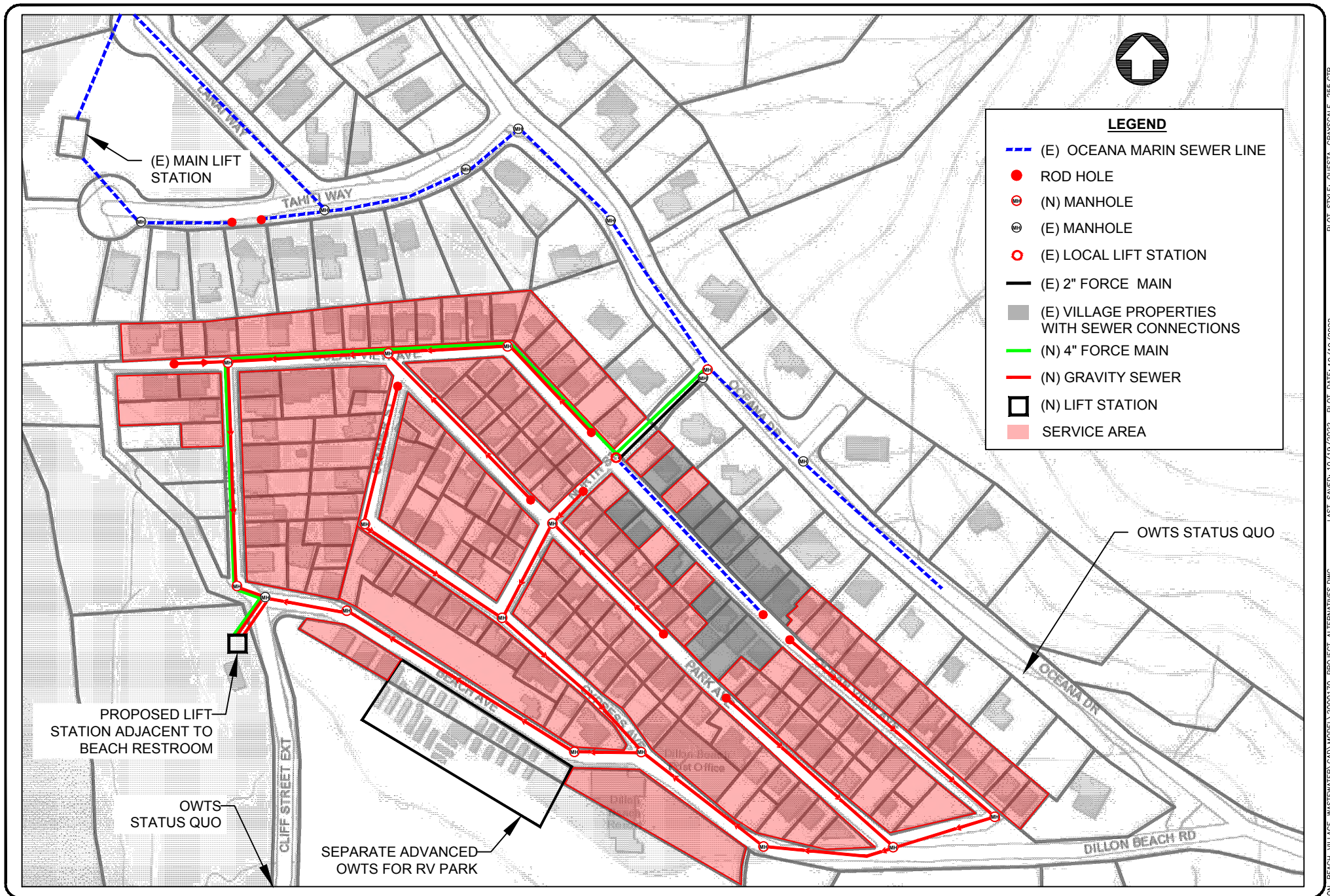
**FIGURE  
6-2**

IF BAR DOES NOT MEASURE 1" DRAWING IS NOT TO SCALE - ADJUST ACCORDINGLY









**DILLON BEACH VILLAGE  
WASTEWATER STUDY**  
DILLON BEACH, CA

**QUESTA**  
ENGINEERING CORP.  
Civil  
Environmental  
& Water Resources  
(510) 236-6114  
FAX (510) 236-2423  
questa@questaec.com  
P.O. Box 70356 1220 Brickyard Cove Road Point Richmond, CA 94807

Design: NH  
Drawn: PS  
Checked: NH  
Appr'd: NH

**VILLAGE ONLY - GRAVITY SEWER  
ALTERNATIVES - 3B**

DILLON BEACH, CA

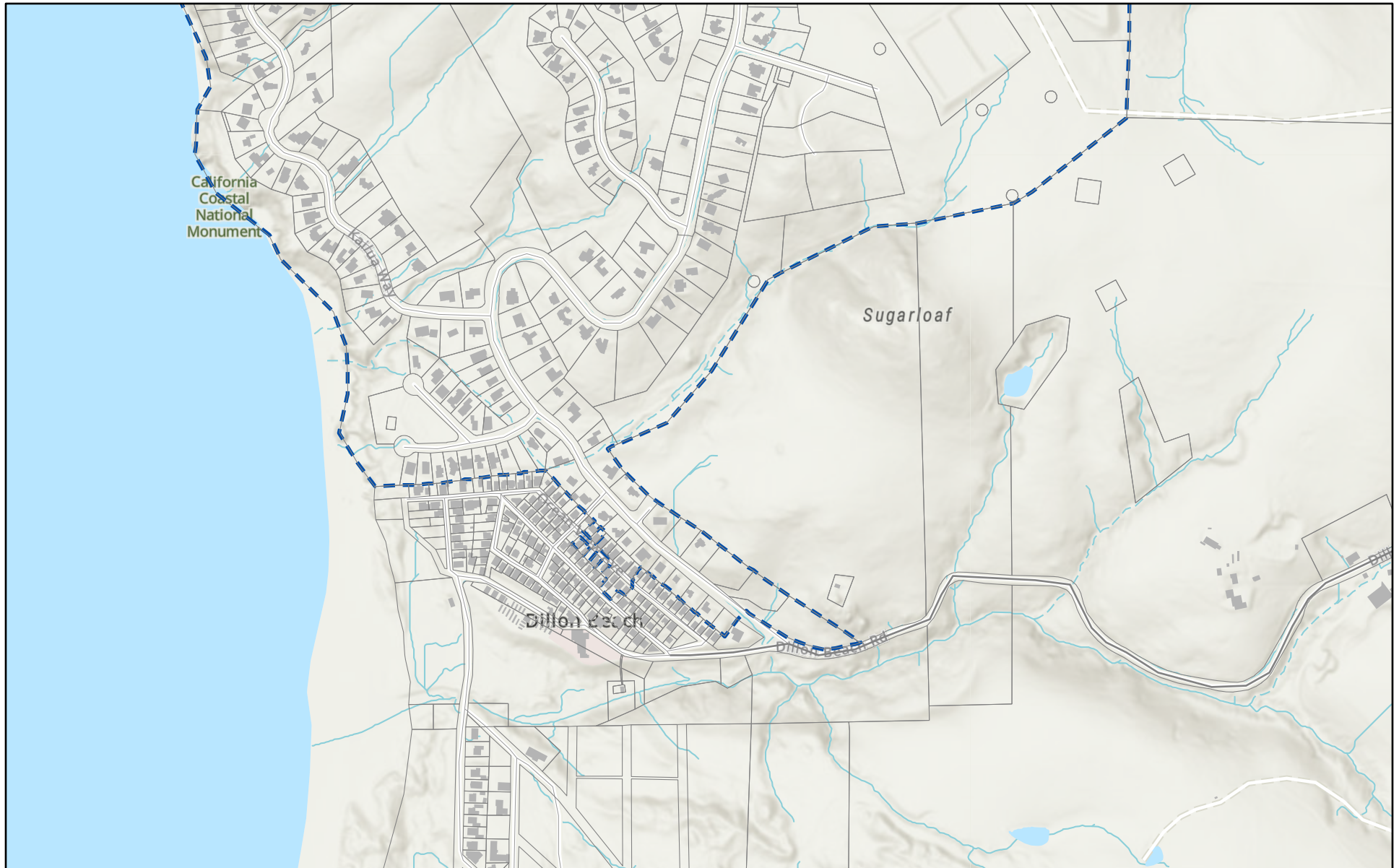
**FIGURE**  
**6-4**

IF BAR DOES NOT MEASURE 1" DRAWING IS NOT TO SCALE - ADJUST ACCORDINGLY

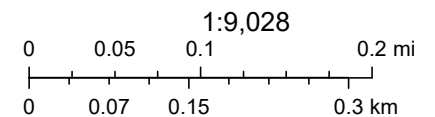
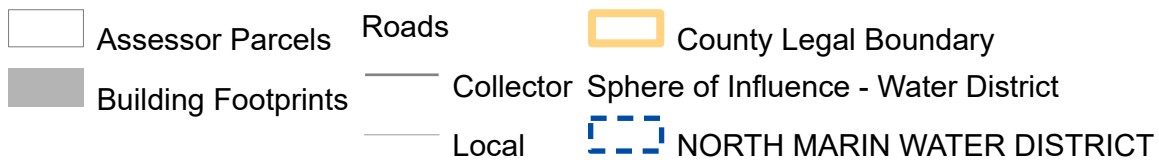


# Marin LAFCo Approved NMWD SOI

ATTACHMENT 2



2/24/2025, 11:58:04 AM



Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, County of Marin, California State Parks, © OpenStreetMap, Microsoft, Esri, TomTom,

Marin County LAFCo  
Marin County LAFCo, Marin County, ESRI.

9

**DISBURSEMENTS - DATED FEBRUARY 27, 2025**

Date Prepared 2/24/25

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

Seq	Payable To	For	Amount
P/R*	Employees	Net Payroll PPE 2/15/25	\$198,055.86
90831*	Internal Revenue Service	Federal & FICA Taxes PPE 2/15/25	93,616.63
90832*	State of California	State Taxes & SDI PPE 2/15/25	22,065.95
90833*	CalPERS	Pension Contribution PPE 2/15/25	59,034.55
90829*	Nationwide	Deferred Compensation-457 PPE 2/15/25	16,500.02
90830*	Nationwide	Deferred Compensation 2/15/25-401A Match	2,842.72
90827*	Amazon	Office & Computer Supplies, IT Equipment for Server Room (\$2,929), Cordless Hammer Drill/Cut Off Tool (\$419) & Bench Vise (\$215)	4,255.25
90828*	US Bank Card	Microsoft Monthly Subscriptions (Dec & Jan) (\$680), Internet PRTP & Gallagher Well #2, Zoom Subscription, Filing Fees W2's, 1095's, GoDaddy-SSL Renewal, Admin Office Area Mats (11) (\$1,054), Office Supplies, Waders for STP, GM Meeting with MMWD, Clear Truck Compliance Fee & D4 Exam Prep (\$350)	3,586.78
64897*		Claim for Water Damage from Main Break (Feliz & Shady Lane)	17,331.97
64898*		Claim for Water Damage from Main Break (Feliz & Shady Lane)	38,046.80
EFT*	US Bank	January Bank Analysis Charge (Lockbox \$920 & Other \$442 Less Interest \$171)	\$1,191.22
1	100 Wood Hollow Drive	March 2025 Rent for 100 Wood Hollow	44,602.82
2	Alpha Analytical Labs	Lab Testing	737.00
3	Associated Right of Way Services	Prog Pymt#18: Valuation Services for Lynwood Pump Station (Balance Remaining on Contract \$33,683)	920.00

Seq	Payable To	For	Amount
4	AT&T	Leased Lines	63.14
5	Backflow Distributors	Pressure Vacuum Breaker	338.89
6	Bay Alarm Company	Quarterly Fire Alarm Monitoring Fee (999 Rush Creek Place)	495.00
7	Bold & Polisner	January Legal Fees-General	3,370.00
8	Boucher Law, PC	February Labor & Law Matters	1,050.14
9	Brady Industries	Overalls (Const)	74.18
10	Buck Institute for Research on Aging	March 2025 Rent for Lab Space @ Buck Institute	13,584.00
11	B.W.S. Distributors	Rescue Air Cylinder Parts (STP)	164.33
12	California Water Service	February Water Service	35.36
13	C.J. Brown & Company, CPAs	Prepare State Controller's Financial Transactions Report FY 23/24	625.00
14	Comcast	February Internet (Buck Institute)	366.97
15	Core Utilities, Inc	January IT and Billing Support (\$6,150), SCADA & PLC Support (\$1,375), & IT Services for Admin & Lab Upgrade Project (\$2,375)	9,900.00
16	Core & Main	Coupling Flange Adaptors (3) (\$635), Gaskets (150) (\$1,172), Hydrants (2) (\$379), Nipples (28) (\$626), Valves (4) (\$1,996), Bushings (10), Couplings (4) (\$946) & Tees (2) (\$597)	6,382.52
17	Diesel Direct West	Diesel (392 gal) (\$1,957) & Gasoline (603 gal) (\$2,788)	4,744.84
18	Ditch Witch West	Cable ('19 Ditch Witch)	459.27
19	D.L. Falk Construction, Inc.	Prog Pymt#30: Admin & Lab Upgrade Project (Balance Remaining on Contract \$234,091)	89,572.47
20	D.L. Falk Construction Escrow Acct	5% Retainer: DL Falk Construction-CA Bank of Commerce-Admin Bldg & Lab Upgrade	4,714.34
21	Ferguson Waterworks	6" Meter	6,437.66
22	Fisher Scientific	Ascorbic Acid (Lab)	37.27

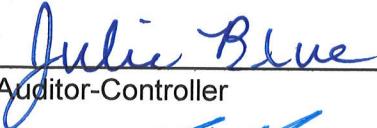



Seq	Payable To	For	Amount
23	GHD Inc.	Prog Pymt#20: GIS Conversion to ESRI & Mapping Support (\$990) (Balance Remaining on Contract \$5,517) & Prog Pymt#3: Stafford Dam Stability Analysis Project (\$1,256) (Balance Remaining on as needed Contract \$185,004)	2,246.60
24	Grainger	Plumbing Supplies (Admin & Lab Upgrade Project) (\$454), Protective Gear for New STP Employee (\$389), Reagent (STP) (\$317), Miscellaneous Tools & Supplies	2,789.10
25	HERC Rentals Inc.	Hydraulic Fluid (12)	140.61
26	High-Purity Standards	Standards (7) (Lab)	455.99
27	InfoSend, Inc.	January Processing Fee for Water Bills (\$1,600), Postage (\$4,793) & Monthly Billing Support (\$1,104)	7,496.81
28	Lincoln Life Employer Serv	Deferred Compensation PPE 2/15/25	7,300.31
29	Marin County Registrar of Voters	Charges for November 2024 General Election	30,706.69
30	McLellan Co, WK	Miscellaneous Paving (\$8,730) & Striping (650 Bahia Dr) (\$1,095)	9,825.74
31	McMaster-Carr Supply Co	Water Hoses (15')	439.44
32	McPhail Fuel Company	Propane for Laguna Vista Generator (150 gal)	623.55
33	Metrohm USA, Inc.	Parts for Ion Chromatography System (Lab)	1,134.43
34	Miller Pacific Engineering	Geotechnical Services - Prog Pymt#19: Admin & Lab Upgrade Project (Balance Remaining on Contract \$13,848)	572.00
35	Novato, City of	Encroachment Permit (815 Olive Avenue)	606.56
36	Novato Lock	Lock Rekeys to Master System (Admin/Lab Upgrade Proj)	174.00
37	ODP Business Solutions, LLC	Miscellaneous Office Supplies	606.27
38	Outlander Construction, Inc.	Prog Pymt#2: Construction Locker Room Remodel Project (Balance Remaining on Contract \$215,000)	30,000.00

Seq	Payable To	For	Amount
39	Pace Supply	Couplings (2), Flange Adaptors (2) (\$1,395), Concrete Boxes (2) (\$351), Elbows (2) (\$1,208), Plugs (4) & Tapping Sleeve (\$1,249) (Less Credit of \$382 Received for Returned Parts)	3,940.37
40	Peterson Trucks	Service Parts ('12 Int'l 5Yd Dump Truck)	298.97
41	Pollard Water	Water Diffusers (2)	2,419.55
42	Red Wing Business Advantage	Safety Boots (3 Employees)	740.78
43	Roberto, Richard	Exp Reimb: Hotel, Transportation & Meals While Attending Watersmart Conference (2/18/25-2/20/25)	1,021.76
44	Ross, Nelson	Novato "Cash for Grass" Rebate Program	500.00
45	RS Americas Inc	Wire Molds (5)	66.89
46	Scott Technology Group	February Monthly Maintenance on Engineering, Admin Copiers	450.69
47	Sonoma County Water Agency	January Contract Water	572,179.27
48	Sonoma-Marin Arborists Inc	Poison Oak Removal (Deer Island)	4,610.00
49	SPG Solar Facility XII, LLC	January Energy Delivered Under Solar Services Agreement	9,092.74
50	Thomas Scientific	Sulfuric Acid (2) & Safety Gloves (2) (Lab)	129.32
51	United Parcel Service	Delivery Services: Sent Valve Controller & Lab Equipment for Recertification	62.18
52	US Bank	January Safekeeping Treasury Securities	131.50
53	Vanguard Cleaning Systems	February Janitorial Services (\$920) & Initial Deep Clean (\$825) (STP)	1,745.00
54	VBS CAL LLC	Inkjet Bond Paper (36" x 150') (Eng)	108.37
55	VWR International LLC	Refrigerator Thermometer, Sulfuric Acid, Phenolphthalein Sodium & Pump Tubing for Ion Chromatography (Lab)	622.90

Seq	Payable To	For	Amount
56	Wilson Bohannon Company	Brass Locks (100)	1,433.41
		<b>TOTAL DISBURSEMENTS</b>	<b><u>\$1,339,874.75</u></b>

The foregoing payroll and accounts payable vouchers totaling \$1,339,874.75 are hereby approved and authorized for payment.

	<u>02/25/2025</u>
Auditor-Controller	Date
	<u>2/26/2025</u>
General Manager	Date



**MEMORANDUM OF UNDERSTANDING**  
**TO ADVANCE A WATER DIVERSION AGREEMENT**  
**FOR A NEW EEL-RUSSIAN FACILITY**

**February 7, 2025**

This “Memorandum of Understanding” (MOU) is entered into by the California Department of Fish and Wildlife (CDFW), California Trout, Eel-Russian Project Authority (ERPA), Humboldt County, Mendocino County Inland Water and Power Commission (IWPC), Round Valley Indian Tribes (RVIT), Sonoma County Water Agency (Sonoma Water), and Trout Unlimited (Parties) through their executive leadership, to state the proposed terms for a Water Diversion Agreement for a new Eel-Russian Diversion Facility (NERF). The Parties commit to work expeditiously to finalize such agreement before July 29, 2025.

**1. Recitals.**

- 1.1. Pacific Gas and Electric Company (PG&E) is the licensee for the Potter Valley Project (PVP or Project). Since 1908 the Project has diverted water from the Eel River Basin into the Russian River Basin, for power generation and water supply. The Project has adversely affected anadromous fisheries, environmental quality, and related beneficial uses of water in the Eel River Basin.
- 1.2. The Federal Energy Regulatory Commission (FERC) issued the current license for PVP on October 4, 1983. That license expired on April 14, 2022. Since that time, PG&E has operated the Project under annual licenses.
- 1.3. On January 25, 2019, PG&E filed a notice with FERC stating that it will not seek or hold a new license for the Project. On May 11, 2022, FERC directed PG&E to file a plan and schedule for license surrender. PG&E is expected to file its license surrender application by July 29, 2025.
- 1.4. In December 2023, Sonoma Water, Sonoma County, and IWPC formed ERPA as a joint powers authority. RVIT subsequently joined ERPA’s Board of Directors.
- 1.5. ERPA proposes to construct, operate, and maintain the NERF, to divert water from the Eel River, at the site of and following the decommissioning and removal of Cape Horn Dam, on terms consistent with restoration of the anadromous fisheries of the Eel.

- 1.6. The Parties are negotiating a Water Diversion Agreement to avoid conflict over water resources, promote timely Eel River restoration and to achieve co-equal goals for the Eel and Russian River Basins (the “Two-Basin Solution”):
  - 1.6.1. Improving fish migration and habitat on the Eel River with the objective of achieving naturally reproducing, self-sustaining, and harvestable native anadromous fish populations; and
  - 1.6.2. Maintaining material and continued water diversion from the Eel River through the existing tunnel to the Russian River to support water supply reliability, fisheries, and water quality in the Russian River Basin.
- 1.7. The Parties are negotiating the Water Diversion Agreement with the following intentions:
  - 1.7.1. Advance the timely removal of Scott Dam and Cape Horn Dam through a cooperative approach with PG&E and interested parties from Eel and Russian River watersheds;
  - 1.7.2. Develop criteria for water diversions based on the best available scientific information to ensure that water diversions will be consistent with the recovery of Eel River fisheries and a functioning ecosystem;
  - 1.7.3. Secure equitable state and federal funding for substantial investments in water infrastructure within the Russian River basin and ecosystem restoration within the Eel River basin;
  - 1.7.4. Take a significant step toward restorative justice for RVIT and reconciliation with the history of adverse impacts on Eel River communities associated with out-of-basin diversions; and
  - 1.7.5. Establish a durable and mutually supportive relationship between the Eel and Russian Rivers basins and provide a strong foundation for continued regional collaboration based on incentives and mutual benefit.

2. **Purpose of MOU.** This MOU reflects essential terms that the Parties propose to include in a Water Diversion Agreement. The Parties will continue to work together to finalize a Water Diversion Agreement before July 29, 2025.

**3. PG&E's License Surrender Application for the PVP.**

- 3.1. Decommissioning. PG&E has stated: "PG&E's decommissioning plan will include the removal of in water facilities such that no feature will continue to impound water and the natural flow of the river will occur."
- 3.2. Support. The Parties support PG&E's removal of both Scott and Cape Horn Dams as part of license surrender. The Parties further support undertaking such decommissioning as expeditiously as practicable, targeting 2028 for commencement of such work. The Parties agree that NERF construction will not interfere with or delay such Decommissioning in any way.
- 3.3. Non-Project Use. The Parties agree to ask PG&E, in its license surrender application, to propose that FERC authorize NERF construction as a non-Project use of Project lands and facilities in the vicinity of Cape Horn Dam.

**4. Disposition of Project Water Rights.**

- 4.1. Transfer of PG&E Water Rights. The Parties agree to support the transfer of the Project's appropriative water rights from PG&E to ERPA. The Parties propose that such transfer occur concurrent with the transfer of Project lands and facilities necessary for construction and operation of NERF, subject to any reservation necessary for PG&E's continuing compliance with the license surrender order. Subject to Section 11.1, the Parties agree to support the transfer of each water right from ERPA to RVIT immediately after closing with PG&E, and ERPA's not operating NERF until such transfer occurs.
- 4.2. Use of Water Rights Following Transfer. Subject to Section 11.1, the Parties agree to support RVIT's dedication of all such transferred water rights to instream beneficial uses in the Eel River, except for that portion that is diverted into the Russian River Basin by NERF pursuant to a lease between RVIT and ERPA as stated in Term 7 below.

**5. Disposition of Project Lands and Facilities.** The Parties agree to support the transfer from PG&E to ERPA of all Project lands and facilities necessary for construction and operation of NERF, such transfer to occur when authorized by FERC.

**6. Design and Construction of the New Eel-Russian Facility.**

- 6.1. Design. The Parties support a design and construction of NERF using a pumping system for water diversion near the existing Cape Horn Dam site, as reflected in McMillen Inc., *Potter Valley Project Diversion Facilities Assessment - Preliminary Engineering Report* (May 25, 2024).
- 6.2. Responsibilities. ERPA will be responsible for the construction, operation, and maintenance of NERF. ERPA will be responsible to secure necessary funds for this purpose, as needed to supplement available public funds secured under Term 9.
7. **Water Right Lease for the Operation of NERF**. RVIT and ERPA agree to enter into a lease authorizing ERPA to operate NERF using RVIT's water right to divert flow from the Eel River.
- 7.1. Diversion Schedule. ERPA will operate NERF to divert flow into the Russian River Basin in compliance with "Draft Diversion Rules" (Attachment 1).
- 7.2. Environmental Outcomes.
- 7.2.1. Performance Metrics. The Parties agree to the performance metrics contained in "Draft Framework for Monitoring and Evaluating NERF Operations" (Attachment 2), stating the expected outcomes of the diversion. Such metrics are intended to assure that the diversion into the Russian River Basin does not harm native fisheries in the Eel River Basin.
- 7.2.2. Monitoring Plan. ERPA will develop a monitoring plan in collaboration with other Parties, as a condition of its anticipated federal and state regulatory approvals. The plan will require annual and five-year reports stating the monitoring results. ERPA will solicit comments from the appropriate federal and state regulatory agencies on these reports and will respond in writing to such comments.
- 7.2.3. Meet and Confer. The Parties will meet and confer every five years (5), at a minimum, to review the monitoring results, including comments from regulatory agencies.
- 7.2.4. Adaptive Management. The diversion schedule will be changed on the recommendations of a technical committee, if monitoring results demonstrate that NERF operations have caused

environmental impacts on the Eel River that are materially different than expected in the performance metrics.

- 7.3. Use Charge and Restoration Payment. The Parties agree that the lease will provide for ERPA to pay to RVIT a Use Charge and a separate Eel River Restoration Payment.

7.3.1. Payment Amounts in the Initial Term.

- (i) ERPA will pay a Use Charge of \$1,000,000 per year to RVIT, in consideration for the use of RVIT's water rights for the operation of NERF. RVIT's Tribal Council may use these funds for any lawful purpose.
- (ii) ERPA will make a Restoration Payment to RVIT, in recognition of RVIT's forbearing to assert federally reserved water and fishing rights against ERPA during the term of the lease. (a) The amount will be \$750,000 per year. (b) The amount will increase to \$1,000,000 per year if funding under Section 9.1.2 covers 100% of the construction cost of NERF. Such increase in funds will be split between the Use Charge and Restoration Payment as specified in the Water Diversion Agreement. (c) The amount stated in (a) will be adjusted on a sliding scale, if funding under Section 9.1.2 covers more than 75% but less than 100% of such construction cost. (d) As the basis for an increase in Restoration Payment under (b) – (c) above, such funding must be secured by December 2027, when ERPA otherwise would seek bond financing to cover such construction cost. (e) RVIT will pay these funds over to the Restoration Fund as specified in the Water Diversion Agreement.
- (iii) The Use Charge and Restoration Payment will be due on January 1 of each year of operation of NERF, as specified in the Water Diversion Agreement.

- 7.3.2. Payment Amounts in Renewal Term. In Year 31, the Use Charge and Restoration Payment will increase from the amount in Year 30 by (i) 50% of the savings from retirement of any bond that ERPA used to finance the construction of NERF, or (ii) 15%, whichever is greater. Such increase in funds will be split

between the Use Charge and Restoration Payment as specified in the Water Diversion Agreement, provided that at least 50% of such increase will be allocated to the Use Charge.

- 7.3.3. Index. The Use Charge and Restoration Payment will be adjusted based on California CPI or other mutually agreeable index stated in the Water Diversion Agreement.

## **8. Term for Diversion.**

- 8.1. Initial Term. The Parties agree that NERF will operate for an initial term of 30 years, beginning on the date operation begins.

- 8.2. Renewal Term. The Parties agree that the operation of NERF may be extended an additional 20 years upon the satisfaction of the following conditions:

- 8.2.1. On or after January 1, 2025, the Eel River Restoration Fund has received at least \$25 million in funds as specified in Term 9.1.1, excluding the Restoration Payment pursuant to Term 7.3.1(ii).
- 8.2.2. ERPA has substantially complied with the agreed upon payment and water diversion provisions.
- 8.2.3. ERPA demonstrates that continued diversion is not expected to materially adversely affect recovery of the native fish species in the Eel River during the renewal term, as documented in a report that (i) summarizes the status of species recovery (post-dam removal) on the Eel River upstream of the Middle Fork; (ii) analyzes the impact (if any) of the diversions under this Agreement on such recovery, not limited to compliance with the requirements of any Biological Opinion issued for NERF; and (iii) documents the changes that have resulted from adaptive management.
- 8.2.4. ERPA demonstrates a continued need for diversion from the Eel River for water supply reliability, fisheries, and water quality in the Russian River basin during the renewal term.
- 8.2.5. ERPA demonstrates that its members and other authorized water users in the Russian River basin have made substantial efforts during the Initial Term to achieve self-reliance at the conclusion of the renewal term, anticipating that the diversion from the Eel

River basin will terminate if subsequent renewal does not occur or if NERF reaches the end of its useful life, whichever is sooner.

8.3. Discretionary Renewal. At the conclusion of the Renewal Term, the Parties then in existence will decide whether to enter into a successor agreement regarding any continuing operation of NERF.

8.4. Removal of NERF. At the end of the useful life for NERF, or the termination of the Water Diversion Agreement and any successor thereto, whichever comes first, ERPA will be responsible for shutting down and removing the facility.

## 9. Additional Funding.

9.1. First Funding Phase. The Parties will make reasonable and material efforts to raise federal, state, and private funds (measured in 2025 dollars) to implement the Two-Basin Solution:

9.1.1. Eel River Restoration Fund. The Parties will undertake to raise \$50 million to contribute to the restoration of the Eel River fisheries. This amount includes the funds paid by ERPA through the Restoration Payment specified in Term 7.3.1(ii). This amount is expected to be additional to, and not supplant, funds historically allocated to Eel River restoration. RVIT and other Parties will establish mutually agreeable arrangements for the governance and management of Eel River Restoration Fund, as well as an annual report on the use of such funds, which are intended to be used to effect significant change in the environmental conditions that currently impair the fisheries. Such arrangements will include measures to provide for the participation in restoration efforts by other Indian tribes in the Eel River watershed, or that have connections to the watershed. The Water Diversion Agreement will include the details of such arrangements.

9.1.2. NERF. The Parties will undertake to raise \$50 million for the design, permitting, and construction of NERF. This amount does not include the bond financing obtained by ERPA, or the use charges paid by water users to ERPA, Sonoma Water, or IWPC. ERPA will prepare an annual report on the use of such funds, to demonstrate progress in completion of this facility.

- 9.2. Second Funding Phase. Parties will jointly undertake to raise additional funds for continued implementation of the Two-Basin Solution, in the following amounts (as measured in 2025 dollars): \$100 million for Eel River Restoration Fund, and \$100 million for projects to enhance water supply reliability in the Russian River Basin.
10. **Dispute Resolution.** The Parties agree to use a dispute resolution procedures to resolve all disputes related to the implementation of Water Diversion Agreement.
- 10.1. Range of Procedures. Such procedures will include meet-and-confer, mediation, arbitration, and enforcement by a court or a regulatory agency.
- 10.2. Enforceability. The Parties intend that the Water Diversion Agreement will provide for enforceability of the commitments therein, including a limited waiver of sovereign immunity by RVIT as necessary for such enforceability.
- 10.3. RVIT. The Parties acknowledge and support the assertion of sovereign immunity by RVIT in any action by a third party challenging the validity or legality of this MOU and/or the Water Diversion Agreement, including but not limited to the defense of indispensable party.
11. **Signature of this MOU.** The Parties agree to the following provisions, where “Participant” and “Party” have the same meaning.
- 11.1. No Legal Obligations, Rights, or Remedies. This Memorandum of Understanding is a voluntary initiative. It does not create any legally binding rights or obligations and creates no legally cognizable or enforceable rights or remedies, legal or equitable, in any forum whatsoever. In addition, the pledges in this Memorandum of Understanding are not conditioned upon reciprocal actions by other Participants; each Participant retains full discretion over implementation of its pledges in light of the Participant’s individual circumstances, laws, and policies; and each Participant is free to withdraw from the Memorandum.
- 11.2. No Pre-Decisional Determination. Nothing in this MOU is intended or will be construed to be a pre-decisional determination by any public agency Party to sign a Water Diversion Agreement or any other agreement. Each such Party must give due consideration to any terms negotiated by the Parties before deciding whether to sign a Water Diversion Agreement. All Parties further recognize that each public agency Party may need to comply with the California Environmental Quality Act and other applicable laws prior to making any legally binding commitments.



- 11.3. Compliance with Applicable Laws. This Memorandum of Understanding shall be construed consistent with all applicable laws, and activities undertaken in connection with this Memorandum of Understanding shall be subject to, and shall be undertaken in a manner consistent with, all otherwise-applicable laws.
- 11.4. Availability of Personnel and Resources.
- 11.4.1. This Memorandum of Understanding does not involve the exchange of funds, nor does it represent any obligation of funds by either Participant. All costs that may arise from activities covered by, mentioned in, or pursuant to this Memorandum of Understanding will be assumed by the Participant that incurs them, unless otherwise expressly agreed in a future written arrangement in accordance with applicable laws. All activities undertaken pursuant to this Memorandum of Understanding are subject to the availability of funds, personnel and other resources of each Participant.
- 11.4.2. The personnel designated by a Participant for the execution of this Memorandum of Understanding will work under the orders and responsibility of that Participant and any other organization or institution to which the personnel already belongs, at all times maintaining any preexisting employment relationship only with that Participant and organization or institution, and not with any other Participant.
- 11.5. Interpretation and Application. Any difference that may arise in relation to the interpretation or application of this Memorandum of Understanding will be resolved through consultations between the Participants, which will endeavor in good faith to resolve such differences.
- 11.6. Effect of Signature. This MOU may be signed by executive leadership for the Parties. For each Party, execution and implementation of a Water Diversion Agreement is conditioned upon and subject to approval by the decisional body of the Party, as may be required. By signing this MOU, the Parties confirm their commitment to continue efforts to finalize a Water Diversion Agreement, consistent with the terms outlined in this MOU, with a goal that the Water Diversion Agreement be executed prior to PG&E filing its license surrender application with FERC, or July 29, 2025.

11.7. Counterparts. This MOU may be signed in counterparts. For convenience, the signature blocks are organized in alphabetical order by Party.

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Dated: February \_\_\_\_, 2025

\_\_\_\_\_  
California Department of Fish and Wildlife

Dated: February \_\_\_\_, 2025

\_\_\_\_\_  
California Trout

Dated: February \_\_\_\_, 2025

\_\_\_\_\_  
Humboldt County

Dated: February \_\_\_\_, 2025

\_\_\_\_\_  
Mendocino County Inland Water and Power  
Commission

Dated: February \_\_\_\_, 2025

\_\_\_\_\_  
Round Valley Indian Tribes

Dated: February \_\_\_\_, 2025

\_\_\_\_\_  
Sonoma County Water Agency

Dated: February \_\_\_\_, 2025

\_\_\_\_\_  
Trout Unlimited

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# Attachment 1

## **New Eel-Russian Facility**

### **Draft Diversion Rules**

**February 7, 2025**

## **1 PURPOSE**

The rules for the diversions from the Eel River to the Russian River (Diversion Rules) are intended to ensure that the Eel Russian Project Authority (ERPA) operates the New Eel-Russian Facility (NERF) and diverts water in a manner that protects Eel River biological resources and ecological processes. This Appendix describes the Diversion Rules and provides an overview of the ecological objectives that the rules are anticipated to protect.

## **2 OPERATIONAL CONDITIONS**

The Diversion Rules include the following conditions:

- All measurements described in this Appendix are in cubic feet per second (cfs);
- Diversions will occur at the NERF;
- Continuous (e.g., 15-minute to hourly) streamflow gaging will occur on-site to measure inflows to the NERF that define diversion rates;
- Diversions will occur on a sub-daily timestep (specific time step to be determined) due to variable frequency drive diversion pumps and on-site streamflow gaging;
- The minimum instantaneous flow that can be diverted is 5 cfs based on assumed pump constraints; and,
- The maximum instantaneous flow that can be diverted is 300 cfs based on the diversion tunnel capacity.

## **3 COMPONENTS OF DIVERSION RULES**

**Unimpaired Flow:** Unimpaired Flow is the Eel River streamflow immediately upstream of the NERF prior to any diversion by the NERF.

**Floor:** The Floor is the minimum Unimpaired Flow that is required for diversions to commence. Once the Unimpaired Flow drops below the Floor, or the allowable diversion amount is less than 5 cfs, diversions stop.

**Maximum Diversion Rate as a Percent-of-flow (POF):** POF diversion rates are the maximum allowable diversion amount, expressed as a percent of the Unimpaired Flow. Incorporating maximum diversion amounts as a POF precludes the need for water-year typing.

**Ramping Rates:** Ramping rates describe the rate that the diversion can accelerate, starting at no diversions at the Floor up to the Maximum Diversion Rate as a POF. Ramping rates ensure that once diversions commence, flows do not drop below the Floor, and that Eel River flows downstream of the NERF do not fluctuate due to the diversion. Diversions can commence once the Unimpaired Flow is above the Floor, and gradually increase (maintaining the Floor in the Eel River) until the diversion rate reaches the Maximum Diversion Rate (e.g., 20% POF).

**Timestep of Operations:** The timestep of diversion operations will be as short as possible to mimic natural hydrograph patterns, and will be finalized based on results of ongoing design of the NERF.

## 4 DIVERSION RULES

### 4.1 Considerations for Diversion Rules by Season

Diversion Rules were developed for four seasonal periods based on the natural hydrograph and life history of focal fish species. The components of the natural flow regime, priority ecological considerations for the mainstem Eel River, and hypotheses behind the diversion rules for each season are described below.

#### **Fall Flows (October 1 – December 31):**

**Hydrograph components:** Low baseflows, initial fall pulse flows.

**Primary Ecological Considerations:** Adult fall-run Chinook passage and spawning.

**Hypotheses Driving Diversion Rules:** Adult Chinook Salmon rely on fall pulse flows to move through all critical riffles from the lower Eel River to upper mainstem and tributaries. The first fall pulse flows cue fish migration and is critical to reduce pre-spawn mortality. Adult Chinook salmon are assumed to be able to travel upstream from the ocean to the NERF in 5 days. Baseflows between the fall pulse flows also provide habitat for Chinook Salmon spawning and egg incubation.

#### **Winter Flows (January 1 – February 29):**

**Hydrograph components:** Elevated wet season baseflows, storm peaks.

**Primary Ecological Considerations:** Adult winter-run steelhead passage and spawning.

**Hypotheses Driving Diversion Rules:** Elevated baseflows maintain volitional and unimpeded adult steelhead passage and maintain spawning habitat and egg incubation during winter for Chinook and Steelhead. Storm peaks maintain a dynamic channel, mobilize gravel and cobble, and support healthy benthic communities and food webs before spring.

#### **Spring Flows (March 1 – May 31):**

**Hydrograph components:** Early-spring recession, spring pulse flows.

**Primary Ecological Considerations:** Juvenile Chinook and steelhead rearing and outmigration, adult summer-run steelhead passage, non-native fish predation.

**Hypotheses Driving Diversion Rules:** The spring recession supports adult summer-run steelhead migration, juvenile Chinook and steelhead rearing, natural rates of water warming, and increased food web production. Elevated spring flows reduce upstream movement of non-native predatory pikeminnow. Spring pulse flows can re-set the food web to encourage healthy benthic communities.

#### **Summer Flows (June 1 – September 30):**

**Hydrograph components:** Late-spring recession, summer baseflows.

**Primary Ecological Considerations:** Juvenile steelhead rearing and redistribution, maintenance of river productivity.

**Hypotheses Driving Diversion Rules:** Summer baseflows maintain food web productivity, suitable water temperatures for salmonids, and enable juvenile steelhead redistribution to tributaries or cold-water refugia.

### 4.2 Summary of Diversion Rules

The Diversion Rules, including Floor, Maximum Diversion Rate as a POF, Ramping Rates, and additional flow rules for the four seasons are provided in Table 1.

Table 1. Summary of Diversion Rules including Floor, Maximum Diversion Rate as a POF, Ramping Rates, and additional rule for the Fall Flows season. Detailed diversion rate tables are shown in Section 5.

	Fall Flows*	Winter Flows	Spring Flows	Summer Flows
<b>Date Range:</b>	Oct 1 – Dec 31	Jan 1 – Feb 29	Mar 1 – May 31	Jun 1 – Sep 30
<b>Floor:</b>	300 cfs	250 cfs	125 cfs	35 cfs
<b>Maximum Diversion Rate:</b>	20%	30%	20%	20%
<b>Ramping Rates (see Section 5):</b>	Divert the difference between Unimpaired Flow and Floor of 300 cfs until the diversion rate hits Maximum Diversion Rate at 375 cfs	Divert the difference between Unimpaired Flow and Floor of 250 cfs until the diversion rate hits Maximum Diversion Rate at 357 cfs	Divert the difference between unimpaired flow and Floor of 125 cfs until the diversion rate hits Maximum Diversion Rate at 156 cfs	Divert the difference between Unimpaired Flow and Floor of 35 cfs until the diversion rate hits Maximum Diversion Rate at 43.75 cfs

\* Require one pulse flow with a duration of 5 days and magnitude of 500 cfs or greater before seasonal diversions begin.

### 4.3 Illustrative Examples of Diversion Rules

Ramping Rates are designed to reduce stair-stepping aspects of the Eel River hydrograph downstream of the NERF resulting from abrupt changes in diversion amounts. The Ramping Rates also allow the diversion to begin immediately once flows are above the Floor, thereby preventing flows below the NERF to drop below the Floor. Table 2 demonstrates how Diversion Rules determine the diversion amount based on the Unimpaired Flow for an example during the Winter Flows season. Figure 1 illustrates a hydrograph and diversion amounts that would result from implementing the Diversion Rules in spring and summer of a drier water year.

Table 2. Demonstration of calculation of diversion rates in the Winter Flows time period, where the Diversion Rules are: 1) 250 cfs Floor, 2) 30% Maximum Diversion Rate, 3) ramping rate allows for flows between the Unimpaired Flow and the Floor until the diversion rate hits the Maximum Diversion Rate, which occurs at 357 cfs, 4) minimum diversion capacity of 5 cfs, and 5) maximum diversion capacity of 300 cfs.

Unimpaired Flow	Percent of Unimpaired Flow Diverted to Russian River	Flow Diverted to Russian River	Eel River Flow Downstream of the NERF	Notes
250 cfs	0%	0 cfs	250 cfs	Floor, no diversion
254 cfs	0%	0 cfs	254 cfs	Above Floor, but diversion is less than 5 cfs, therefore no diversion
260 cfs	3.8%	10 cfs	250 cfs	Begin diversion because diversion flow is greater than 5 cfs, can divert the difference between the Unimpaired Flow and the Floor since diversion rate is less than the Maximum Diversion Rate
305 cfs	18%	55 cfs	250 cfs	Can divert the difference between the Unimpaired Flow and the Floor since diversion rate is less than the Maximum Diversion Rate
357 cfs	30%	107 cfs	250 cfs	Diversions reach 30% POF (Maximum Diversion Rate)

1,000 cfs	30%	300 cfs	700 cfs	Diversion at tunnel capacity, capped at 300 cfs, actual diversion POF is at 30%
1,500 cfs	20%	300 cfs	1,200 cfs	Diversion at tunnel capacity, capped at 300 cfs, actual diversion POF decreases
3,000 cfs	10%	300 cfs	2,700 cfs	Diversion at tunnel capacity, capped at 300 cfs, actual diversion POF decreases

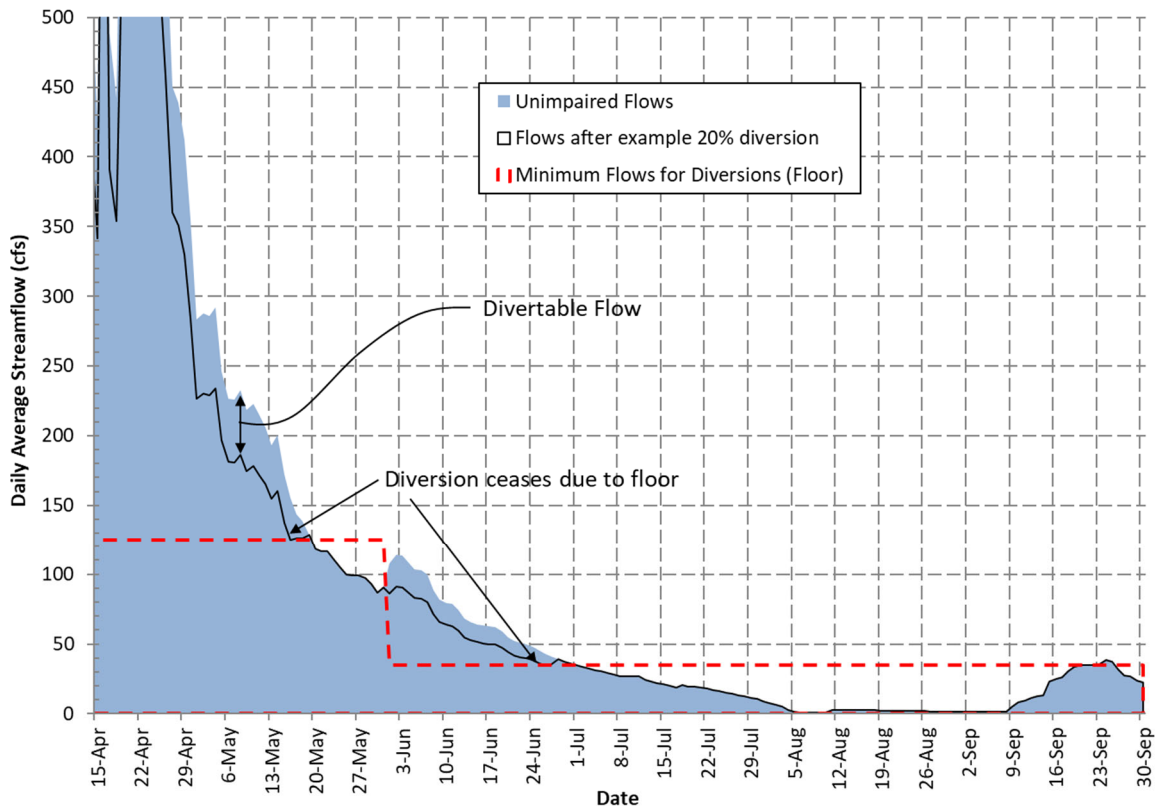


Figure 1. Example of hydrograph in the Eel River downstream of the NERF that would result from implementing the Diversion Rules in Water Year 2022, a drier water year, assuming no diversion constraints on the Russian River.

#### 4.4 Timestep of Diversion Operations

The timestep of calculating diversion amounts will occur on a timestep that 1) is as short as possible (hours) to reduce downstream stair-stepping flows and prevent downstream flows from dropping below the Floor, and 2) is feasible given operational constraints (pumps) at the NERF. The Maximum Diversion Rate as a POF will be calculated from the Unimpaired Flow at sub-daily timesteps, assumed to be several hours. Further hydrologic and engineering analyses of the NERF pumps will determine the exact timestep of diversion operations.



## 5 DIVERSION RATES SCHEDULE BY SEASON

The following tables describe the schedule for increasing diversion rates when the Unimpaired Flow rises above the seasonal Floor, and before the diversion POF reaches the Maximum Diversion Rate POF. For fall, winter, and spring seasons, the schedule is shown in 5 cfs increments, while for the summer season, the schedule is demonstrated in 1 cfs increments.

*Table 3. Diversion rates for Fall season (October 1 – December 31), ramping rates apply for Unimpaired Flows between 305 cfs and 370 cfs. Specific compliance rules (e.g., +/- X cfs or small buffer flow) will be refined at a later stage.*

<b>Unimpaired Flow upstream of NERF (cfs)</b>	<b>Diversion Flow (cfs)</b>	<b>Diversion POF %</b>	<b>Flow to the Eel River below NERF (cfs)</b>
300	0	0.0%	300
305	5	1.6%	300
310	10	3.2%	300
315	15	4.8%	300
320	20	6.3%	300
325	25	7.7%	300
330	30	9.1%	300
335	35	10.4%	300
340	40	11.8%	300
345	45	13.0%	300
350	50	14.3%	300
355	55	15.5%	300
360	60	16.7%	300
365	65	17.8%	300
370	70	18.9%	300
375	75	20.0%	300
380	76	20.0%	304
385	77	20.0%	308
390	78	20.0%	312

*Table 4. Diversion rates for Winter season (January 1 – February 29), ramping rates apply for Unimpaired Flows between 255 cfs and 355 cfs. Specific compliance rules (e.g., +/- X cfs or small buffer flow) will be refined at a later stage.*

<b>Unimpaired Flow upstream of NERF (cfs)</b>	<b>Diversion Flow (cfs)</b>	<b>Diversion POF %</b>	<b>Flow to the Eel River below NERF (cfs)</b>
250	0	0.0%	250
255	5	2.0%	250
260	10	3.8%	250
261	11	4.2%	250
265	15	5.7%	250
270	20	7.4%	250
275	25	9.1%	250
280	30	10.7%	250
285	35	12.3%	250
290	40	13.8%	250
295	45	15.3%	250
300	50	16.7%	250
305	55	18.0%	250
310	60	19.4%	250
315	65	20.6%	250
320	70	21.9%	250
325	75	23.1%	250
330	80	24.2%	250
335	85	25.4%	250
340	90	26.5%	250
345	95	27.5%	250
350	100	28.6%	250
355	105	29.6%	250
357	107	30.0%	250
360	108	30.0%	252
365	109.5	30.0%	255.5
370	111	30.0%	259
375	112.5	30.0%	262.5

*Table 5. Diversion rates for Spring season (March 1 – May 31), ramping rates apply for Unimpaired Flows between 130 cfs and 156 cfs. Specific compliance rules (e.g., +/- X cfs or small buffer flow) will be refined at a later stage.*

<b>Unimpaired Flow upstream of NERF (cfs)</b>	<b>Diversion Flow (cfs)</b>	<b>Diversion POF %</b>	<b>Flow to the Eel River below NERF (cfs)</b>
125	0	0.0%	125
130	5	3.8%	125
135	10	7.4%	125
140	15	10.7%	125
145	20	13.8%	125
150	25	16.7%	125
155	30	19.4%	125
156	31	19.9%	125
160	32	20.0%	128
165	33	20.0%	132
170	34	20.0%	136
175	35	20.0%	140

*Table 6. Diversion rates for Summer season (June 1 – September 31), ramping rates apply for Unimpaired Flows between 40 cfs and 43 cfs. Specific compliance rules (e.g., +/- X cfs or small buffer flow) will be refined at a later stage.*

<b>Unimpaired Flow upstream of NERF (cfs)</b>	<b>Diversion Flow (cfs)</b>	<b>Diversion POF %</b>	<b>Flow to the Eel River below NERF (cfs)</b>
35	0	0.0%	35
36	0	0.0%	36
37	0	0.0%	37
38	0	0.0%	38
39	0	0.0%	39
40	5	12.5%	35
41	6	14.6%	35
42	7	16.7%	35
43	8	18.6%	35
43.75	8.75	20.0%	35
44	8.8	20.0%	31
45	9	20.0%	36
46	9.2	20.0%	36.8
47	9.4	20.0%	37.6
48	9.6	20.0%	38.4

## **6 PRIMARY REFERENCES FOR DEVELOPING DIVERSION RULES**

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- VTN (VTN Oregon, Inc.), 1982. Potter Valley Project (FERC No. 77) Fisheries study final report, Volume I. Prepared for Pacific Gas and Electric Company, Department of Engineering Research. 3400 Crow Canyon Road, San Ramon, California 94583. VTN Oregon, Inc. 25115 S.W. Parkway, Wilsonville, Oregon 97070.

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## **Attachment 2**

## New Eel-Russian Facility

### Draft Performance Metrics and Framework for Monitoring and Evaluating Operations

February 7, 2025

#### **1 PURPOSE**

Monitoring will be conducted to ensure 1) compliance with the Diversion Rules of the Water Diversion Agreement (WDA) and 2) that the resulting Eel River flow regime protects intended ecological objectives and physical habitat downstream of the New Eel-Russian Facility (NERF).

#### **2 ASSUMPTIONS**

Assumptions of monitoring metrics presented in this attachment include:

- Monitoring described below will be conducted and/or funded by the Eel-Russian Project Authority (ERPA), with the exception of suggestions for additional Informational monitoring, Section 4.4.
- Monitoring described below will occur for the duration of the WDA unless modified as described in Section 5 or the relevant sections of the WDA.
- Results of the ERPA monitoring will be summarized in publicly available reports, and monitoring data will be made available upon request.
- State and federal agencies may have additional requirements for monitoring associated with the NERF construction and operations, and these will be conducted by the ERPA. Information from the additional requirements will be included in annual and five-year reports and reviewed by the Technical Advisory Committee (TAC).
- State, federal, tribal, and NGO entities may conduct additional informational monitoring that will be funded and conducted outside the ERPA, but will occur in a collaborative manner with ERPA.
- ERPA will make good faith and reasonable efforts to make the NERF and associated monitoring facilities available for outside parties to conduct informational monitoring.
- ERPA will support a Technical Advisory Committee for the term of the WDA. The TAC may be composed of professionals with expertise in natural resource sciences and engineering from parties to the WDA, resource agencies, and academic institutions. For more detail regarding the composition, roles, and responsibilities of the TAC, please see relevant sections of the WDA.

#### **3 COMPONENTS OF MONITORING FRAMEWORK**

Three types of monitoring metrics are defined for use in the monitoring framework:

**Compliance monitoring:** Compliance metrics will demonstrate that Diversion Rules are followed.

**Effectiveness monitoring:** Effectiveness metrics will help evaluate whether the Eel River flow regime is protective of physical habitat, including water temperature.

**Informational monitoring:** Informational metrics are important to understanding upper watershed fish biology, populations, water quality, and channel morphology, but may be difficult to correlate with NERF operations due to natural variability outside of the NERF footprint. This information will help evaluate flow-ecology hypotheses, ecological objectives in the Upper Eel River, and provide the necessary context for salmonid populations affected by a host of factors operating at

the watershed and marine scale (e.g., acknowledging variability caused by ocean productivity and other factors).

In addition, there may be monitoring conducted by PG&E as part of their regulatory obligations associated with PVP Decommissioning. These commitments are currently undefined and speculative, and therefore beyond the scope of this monitoring framework. There are two timescales for monitoring metrics:

**Continuous monitoring (sub-daily to annual):** Monitoring that will be conducted throughout the duration of the WDA. Depending on the metric, this will occur sub-daily (e.g., flow monitoring) to seasonally (e.g., adult fish counts).

**Periodic monitoring (every 5 years):** Monitoring or focused studies that will be conducted periodically to ensure that flow thresholds in the Diversion Rules are meeting their intended ecological objectives for physical habitat availability and fish passage. These monitoring tasks or focused studies will be conducted within 5 years of removing Scott Dam and Cape Horn Dam, and then every five years or sooner if needed (as agreed to by the TAC or WDA parties) due to episodic changes in channel morphology (e.g., following a large flood event).

## **4 MONITORING METRICS**

Metrics that link project operations to ecological response are desirable to ensure protection of Eel River ecological resources; however, dam removal, natural variability in meteorology and confounding factors influencing fish production and adult populations make it difficult to associate potential cause-and-effect relationships between NERF operations and ecological response. In addition, ecological data collection can be resource intensive. Therefore, the metrics listed below focus on a primary Compliance metric (flow), and a core set of Effectiveness metrics (physical habitat, fish passage, water temperature) that will be directly influenced by NERF operations. Other Informational metrics may be monitored by other entities to contribute to a broader understanding of ecological response in the upper Eel River watershed. All monitoring results will be considered in the 5-year review of the NERF operations.

### **4.1 Compliance Monitoring**

#### **Continuous Monitoring of Water Diversion Operations**

Flow will be measured continuously at a sub-daily timescale (1-hour intervals at minimum) in two locations:

- 1) Immediately downstream of NERF pumps at the stage control (location of former fish exclusion barrier); and,
- 2) In the diversion infrastructure, via pumping rates.

Unimpaired flows (inflows to the NERF) will be calculated at a minimum of hourly intervals by summing the flows immediately downstream of the NERF pumps and the diversion flows from the pumps. Diversion rates (pumping rate) will then be adjusted to follow the Diversion Rules based on computed NERF inflows. In addition, the flow monitoring stations will be tied into the operational SCADA system which will have alarms to alert an operator if the gages exceed or drop below compliance set points.

The flow measurements will be evaluated to ensure operations are in compliance with the Diversion Rules, specifically:

- Percent-of-flow diversion rates are followed at a sub-daily scale (likely 1-hour intervals);
- Ramping rates are not exceeded;

- Diversions do not cause flows below the NERF to drop below floors; and
- The timestep of operations are adequate to protect floors and the shape of the hydrograph.

In evaluating the performance of the NERF, some reasonable tolerances above and below the target Eel River release rates will be established in the future to account for uncertainties in streamflow measurements and unforeseen operational interruptions. Refinement to this metric will be conducted at a later stage as engineering and other physical factors are further understood.

## **4.2 Effectiveness Monitoring**

### **Continuous Adult Fish Passage**

To confirm that NERF diversions do not preclude passage of adult Chinook salmon and steelhead at the former Cape Horn Dam site (due to altered hydraulics) and through downstream critical riffles (due to flow reductions), a sonar and/or video fish monitoring system will be operated seasonally (October-April, as river conditions allow) at or near the NERF. The fish monitoring station will provide daily counts of passing adult Chinook salmon and winter-run steelhead. Adult fish passage monitoring could contribute to a life-cycle monitoring station at the NERF location (see Informational monitoring).

### **Periodic Physical Habitat Monitoring**

Periodic physical habitat monitoring will occur to confirm that the WDA's seasonal river floor thresholds are protecting the intended ecological function as described in the Diversion Rules. The first monitoring event will occur no later than 5 years after the removal of Scott Dam and Cape Horn Dam, a timeframe that is expected to allow the Eel River channel to reach an equilibrium condition (no large-scale scour or deposition) following dam removal. After that initial survey, field surveys will be conducted at a minimum of every 5 years downstream of the NERF. Physical habitat monitoring will focus on evaluating if flow thresholds are:

- 1) Maintaining the depth required for passage at critical riffles on the Eel River between the NERF and Outlet Creek. A field-based reconnaissance of critical riffles will first be conducted to identify up to 3 critical riffles between the NERF and Outlet Creek, and cross sections will be surveyed and evaluated at those three riffles for fish passage flow thresholds consistent with the methods used by CDFW. Results of the fish passage monitoring will be compared with thresholds intended to provide fish passage in the Diversion Rules.
- 2) Maintaining habitat capacity for Chinook salmon and winter-run steelhead spawning, egg incubation, and juvenile rearing. Habitat capacity will be modeled using an index site downstream of the NERF, likely the current 1-mile-long reference site on the Eel River just upstream of Tomki Creek. The topography of an index site will be surveyed with drone, LiDAR, and/or ground surveys, a 2-D hydraulic model calibrated and run for flows up to 1,000 cfs, and habitat capacity computed for salmonid habitat based on the 2-D hydraulic model. Results will be compared with flow-based fish habitat capacity curves documented from prior surveys and with the thresholds used in the Diversion Rules.

### **Continuous Water Quality Monitoring**

Water temperature will be monitored on the Eel River near the NERF as a part of Effectiveness monitoring. This monitoring will inform the review of the impact the diversion may have on physical habitat. Downstream monitoring sites will continue long-term records collected by PG&E and others. The following locations, roughly from upstream to downstream, will serve as monitoring locations for the following parameters at a continuous, sub-daily timestep (15-minute to hourly):



- 1) Eel River at the NERF - water temperature (in addition to flow, see Section 4.1 – Compliance monitoring)
- 2) Eel River above Tomki Creek (existing PG&E monitoring location) - water temperature
- 3) Eel River above Outlet Creek (existing PG&E monitoring location) - water temperature

Refinement to this metric will be conducted at a later stage as engineering and other physical factors are further understood.

#### **4.3 Informational Monitoring Conducted by ERPA**

##### **Continuous Water Quality Monitoring**

Water quality monitoring upstream of NERF will be collected by ERPA to support the interpretation of informational monitoring data - particularly understanding water quality conditions in the upper watershed that may influence juvenile salmonid production. These two upstream sites are in addition to the monitoring sites near the NERF used for Effectiveness Monitoring:

- 1) Upper Eel River (existing gage location) - water temperature and turbidity (if needed).
- 2) Rice Fork of the Eel River (existing gage location) - water temperature and turbidity (if needed).

##### **Juvenile Outmigration Monitoring**

Juvenile salmonid outmigration monitoring will occur in close proximity to the NERF to document trends in the timing, relative numbers, and size of downstream salmonid migrants from the watershed upstream of the NERF. A single rotary screw trap will be operated, consistent with CDFW protocols, daily in the spring when a majority of juvenile salmonid outmigration occurs (approximately March-June). Operation of the trap will depend on river conditions and it will be removed during periods of high flows that would damage the trap or cause personnel safety issues.

#### **4.4 Informational Monitoring Outside of ERPA Responsibility**

All of the monitoring efforts described above will be conducted and/or funded by ERPA. Additional Informational monitoring may be conducted and/or funded by other entities but should be coordinated with ERPA monitoring efforts. Good faith and reasonable efforts will be made to make the NERF and associated monitoring infrastructure available for use by outside parties. However, ERPA will not be responsible for obtaining regulatory approvals (e.g., scientific collecting permits) for outside parties.

Use of NERF monitoring infrastructure could attract additional studies and collaborations to understand linkages between freshwater habitat conditions and salmonid production that would be valuable for understanding ecological relationships in the Upper Eel River. These data may also facilitate the interpretation of NERF effectiveness monitoring. For example, the adult and outmigrant counts collected at NERF could be coupled with spawning ground and juvenile surveys to allow NERF to function as a life-cycle monitoring station for implementation of the CDFW California Monitoring Plan (CMP), which is used across the state to monitor trends in salmonid abundance.

## **5 REPORTING, SCHEDULE, AND ADAPTIVE MANAGEMENT**

Assessment of monitoring metrics will be conducted to ensure 1) compliance with Diversion Rules and 2) that the resulting Eel River flow regime protects intended ecological objectives and physical habitat downstream of the NERF. Reporting will take place annually, and a more detailed review will occur, at a minimum, every 5 years. Deviations from Compliance metrics (flows) will be remedied as soon as ERPA operators are aware of non-compliance. Certain biological data (e.g., adult fish passage) may be summarized informally via e-mail on a periodic basis (weekly, or monthly). ERPA will be responsible for reporting Compliance, Effectiveness, and Information monitoring on the following schedule:

### **Sub-Annual Reporting**

- River flow and diversions at NERF will be reported daily
- Fish counts will be reported bi-weekly (twice monthly)
- Water quality data will be reported seasonally

### **Annual Reporting**

- ERPA will release an annual report summarizing the results of:
  - Flow and water quality monitoring, including flow compliance.
  - Adult fish passage and juvenile outmigration monitoring.
- If flow compliance is not achieved, the Annual Report will document the operational challenges preventing compliance and recommend solutions to avoid non-compliance.

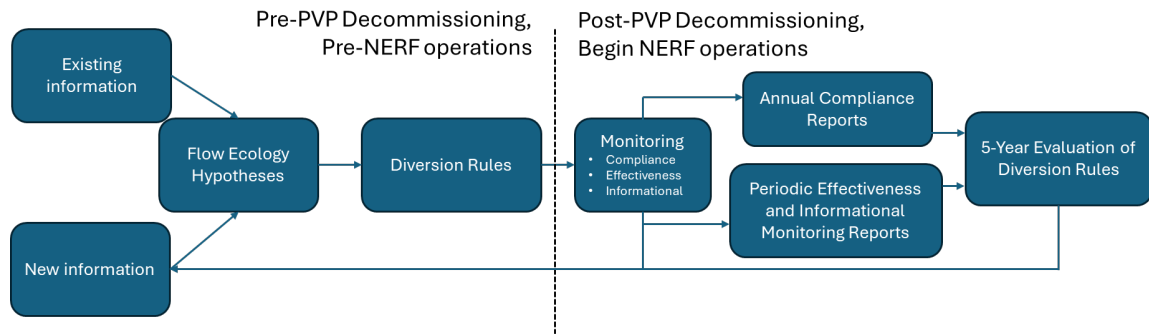
### **5-Year Review**

- ERPA technical representatives and the TAC will meet every 5 years to review monitoring results of all types of monitoring.
- The 5-year report will include synthesis and learning from the previous 4 years of annual report information.
- Information from studies conducted outside of ERPA (i.e., Informational monitoring) will be considered.
- The 5-year review will re-examine the next time-step that is necessary for conducting periodic monitoring studies for physical habitat capacity and critical riffle fish passage.

### **Adaptive Management**

The TAC will convene annually to review reports and receive operational and monitoring updates. The approximate 5-year milestone reviews present an opportunity to refine the Diversion Rules and propose studies to improve understanding of the flow-ecology hypotheses (Figure 1). If Effectiveness monitoring indicates that the Diversion Rules are not protecting fish passage, physical habitat, and water temperature, the TAC and ERPA technical representatives will attempt to determine why, including revisiting flow-ecology hypotheses driving the development of the Diversion Rules. Any recommended adjustments to the Diversion Rules and monitoring methods would be presented to the ERPA Board of Directors and regulatory agencies. If the 5-year review finds that the Diversion Rules and resulting Eel River flow regime may be negatively impacting fisheries recovery, additional studies may be required before the next 5-year milestone. Additional studies will be planned in coordination with the TAC, parties to WDA, and resource agency staff.

For a description of the adaptive management decision-making process, please refer to the relevant sections of the WDA.



*Figure 1. Conceptual process for developing Diversion Rules based on flow-ecology hypotheses, monitoring, and adaptive management once NERF operations begin.*

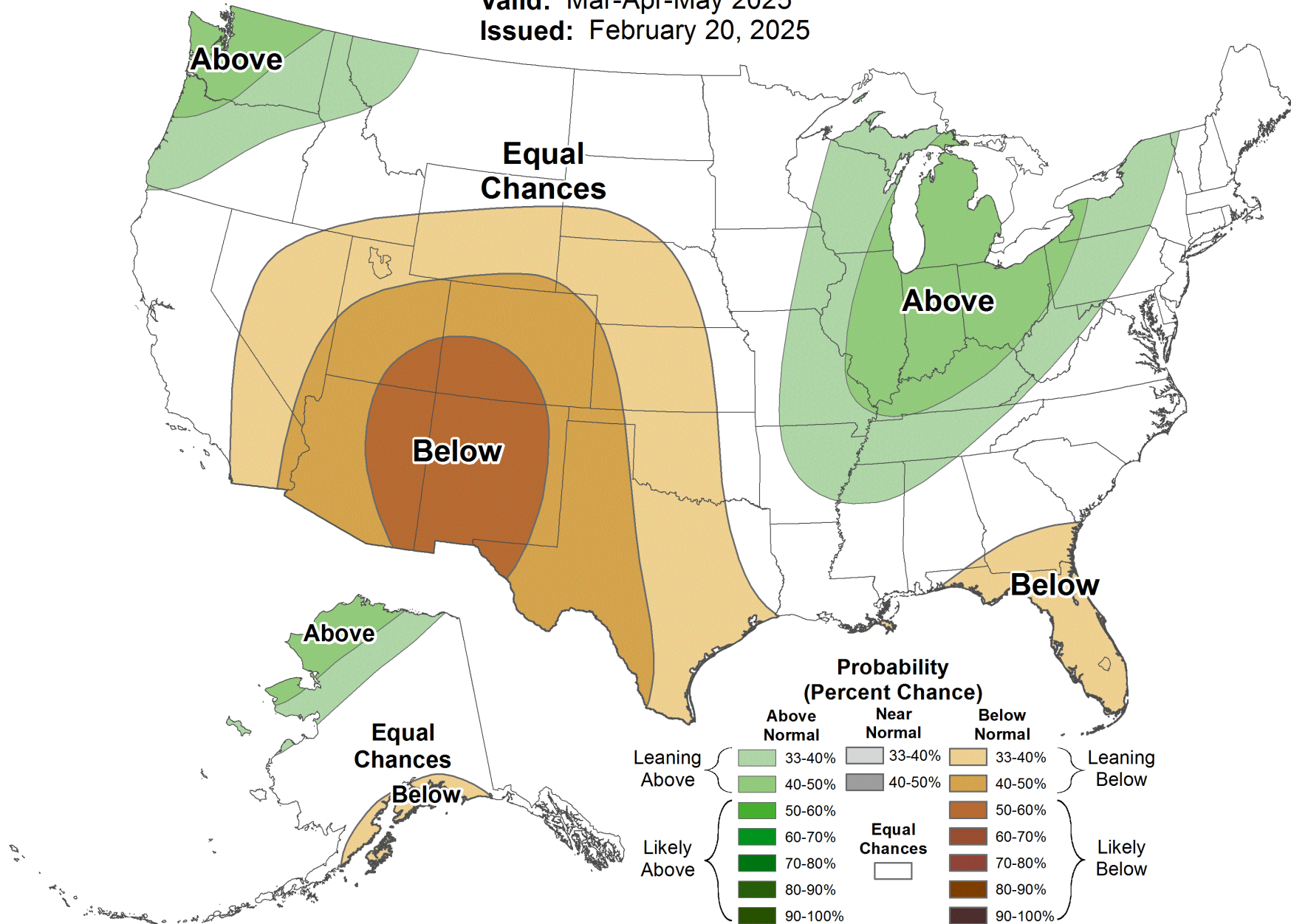


# Seasonal Precipitation Outlook



Valid: Mar-Apr-May 2025

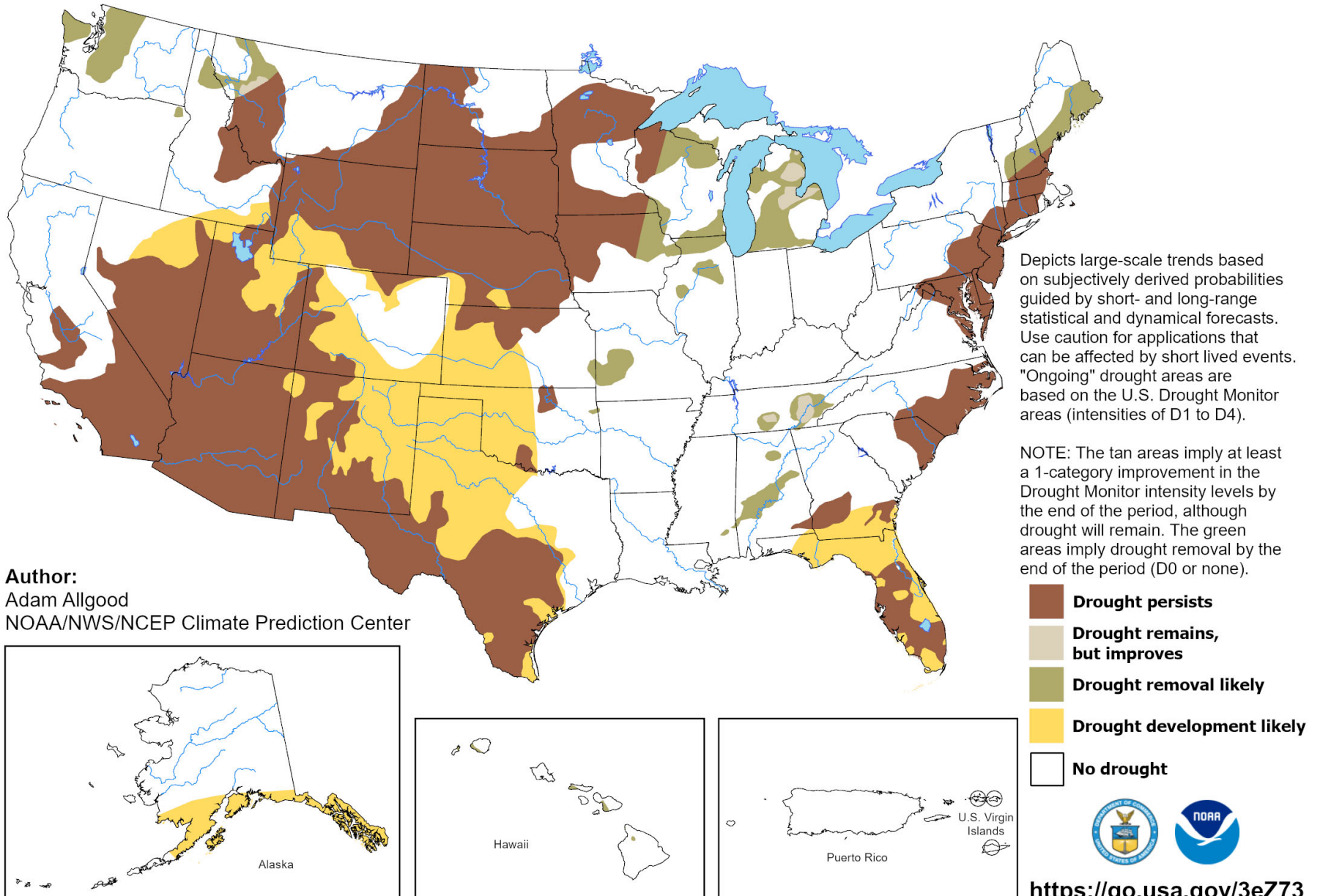
Issued: February 20, 2025



# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for February 20 - May 31, 2025  
Released February 20, 2025





# Lawn replacements

Choosing grasses for Marin gardens



Western meadow sedge can be mowed and grows well in full or part sun. TFROSS99 — WIKIMEDIA COMMONS





Although it takes a lot of water to get established, California meadow sedge can ultimately be a good drought-tolerant option for your garden. DADEROT — WIKIMEDIA COMMONS

**BY WENDY IRVING**

**IJ CORRESPONDENT**

When I moved into my home in the mid-1970s, it was brand new on a good-sized but totally empty patch of ground on a hillside.

We were in the midst of a severe drought, so traditional lawns were out of the question — and for reasons besides just water. I put in lots of hardscape, like patios, retaining walls and decks, with limited planting areas and lots of container gardening. Over the years, I have replaced some of the “harder” hardscapes, like a concrete patio, with more porous materials to enable more water absorption into the ground when we are blessed with rain.

Over those same years, through several droughts and growing environmental concerns, I watched my neighbors and friends with lawns tire of the continual struggle to maintain a healthy, attractive lawn as well as justify their greedy thirst for water — and chemicals — in a climate where limited water is a reality. The need and desire for alternatives to traditional lawns have grown, but luckily, so have good options. (Bear in mind that artificial grass has so far been proven not to be one of them.)

Removing a lawn is relatively easy and can be fun. The best way is just a matter of laying down cardboard, compost and mulch and smothering it, creating a new, fresh planting area that becomes a canvas on which to paint an entirely different and more interesting landscape. But the real fun lies in imagining your new space, and how you would like to use it, or view it, and choosing the right materials and plants to create it. It can be the perfect time to introduce natives to your garden, which will attract bees, butterflies and other beneficials, or plant herbs, edibles and bulbs amongst native ornamental grasses. Combine different mini-gardens zoned by similar

water needs and separated by stepping stones tucked into low groundcovers or by privacy hedges hiding a secluded bench. Or how about creating that truly low-maintenance, low-water landscape you've been talking about for years, perhaps using rocks, stones and succulents, including cacti and agave? It can be done.

But, you find yourself loving the look of your traditional lawn and/or appreciating its usefulness as a wonderful gathering spot for kids, pets and your family to enjoy. The good news is that many grasses can replace the water-guzzling, maintenance-intensive varieties of the past. Among the choices are native California bentgrass (*Agrostis densiflora*) and biofiltration sod, which is a mixture of native Molate fescue (*Festuca rubra*), California barley (*Hordeum californicum*), meadow barley (*Hordeum brachyantherum*) and purple needlegrass (*Nassella pulchra*). Both require much less water and care and can be mowed to be used like a more conventional lawn. I would also look into UC verde buffalograss (*Buchloe dactyloides*) and zoysia grasses, although these grasses will turn brown — or golden, if you prefer — in the winter.

There are many low-growing grasses that can attractively fill the expanse where the lawn used to be. Western meadow sedge (*Carex praegracilis*) can tolerate occasional flooding or standing water as it is naturally found in marshes and wetlands. It's a good lawn substitute as it can be mowed, will take sun and part sun, and uses much less water in summer than typical sod. California meadow sedge (*Carex pansa*) stays 6 inches or under and spreads to 2 feet by rhizomes. It requires a fair amount of water to get going, but once desired coverage is reached, water requirements are close to zero. While I wouldn't stage a family football game on either of these native grasses, both are considered "walkable," as are many other grasses and groundcovers.

If water-wise grasses are your choice to replace an old lawn, a good online source is our website at [marinmg.ucanr.edu](http://marinmg.ucanr.edu).

*Sponsored by UC Cooperative Extension, the University of California Marin Master Gardeners provides science- and research-based information for Marin home gardeners. Email questions to [helpdesk@marinmg.org](mailto:helpdesk@marinmg.org). Attach photos for inquiries about plant pests or diseases. Please call 415-473-4910 to see when a master gardener will be at the office or drop off samples 24/7 in the sample box outside the office. To attend a gardening workshop or subscribe to Leaflet, a free quarterly e-newsletter, go to [marinmg.ucanr.edu](http://marinmg.ucanr.edu).*



BOUNTIFUL RAIN

## Reservoirs topped off

Marin water suppliers optimistic after recent storms



Water covers a part of a foot bridge at Stafford Lake in Novato. Stafford Lake was full before recent rains, and is now spilling over. PHOTOS BY SHERRY LAVARS — MARIN INDEPENDENT JOURNAL





People head to the Civic Center SMART station platform in the rain in San Rafael. Mount Tamalpais has received more than 51 inches of rain since October.

**BY ADRIAN RODRIGUEZ**

[ARODRIGUEZ@MARINIJ.COM](mailto:ARODRIGUEZ@MARINIJ.COM)

After about a foot of rain from storms this month, Marin's reservoirs are topped off, leaving water suppliers optimistic.

"All reservoirs are spilling and expected to continue spilling," said Adriane Mertens, spokesperson for the Marin Municipal Water District.

Mount Tamalpais has received more than 51 inches of rain since October, according to the county's weather and flood watch dashboard.

About 75% of the Marin Municipal Water District supply comes from the Mount Tamalpais watershed. Its seven reservoirs have a combined storage capacity of about 80,000 acre-feet of water. An acre-foot is about 326,000 gallons. The district serves about 191,000 residents.

The district's cumulative storage has not been below 95% of total capacity since Dec. 20, "a testament to our overall above-average rainfall this winter," Mertens said.

"After a very dry January, the recent rains have helped to get us back on pace with where we were this time last year," she said.

Total reservoir storage is at 120% of the average for this time of year, and is projected to remain above average until next season, Mertens said.

As of Thursday, the district had recorded 13.58 inches of rain at Lake Lagunitas since the first in a series of storms hit Marin starting Jan. 31. The lake has received about 43 inches received so far this year.

That's about the same as this time last year, and well above the historical average total of 33.83 inches for this time of year, Mertens said.

The bountiful rain appears to be continuing on the trend from the last two years. For the water year ending in June, the district recorded 62 inches of rain, or about 120% of the average of 52 inches. In the previous year, rainfall topped off Marin reservoirs and extracted the county from a significant drought. The district recorded 77 inches of rain, or about 150% of the average of 52 inches.

Stafford Lake, the North Marin Water District reservoir in Novato, has received about 21 inches of rain since July 1. The average rainfall for the year is 27.3 inches.

Stafford Lake is also spilling, said Tony Williams, general manager of the district.

"Stafford Lake was essentially full before the rains hit recently," Williams said. "We manage Stafford such that we don't go below a minimum elevation and resulting storage of about 30% of total capacity, which is a helpful baseline for the next rainy season."

"Since we only rely on this local supply for about 20% of total needs and rely on Sonoma County Water Agency for the other 80%, the rains were good for the region," Williams said.

As of Thursday, Lake Sonoma was at 263,154 acre-feet, about 69% of capacity and 113% of its historical average for the date, according to the California Department of Water Resources.

The Marin Municipal Water District also contracts with the Sonoma County Water Agency for supplementary supply from the Russian River system.

The rain has also been good for curbing the threat of fire.

As of Thursday, 30.73 inches of rainfall had been measured in San Rafael for this season, according to Brayden Murdock, a meteorologist with the National Weather Service. That compares to 31.56 inches for the entire water year ending last June 2024, and 39.94 inches the year prior.

"This rain will ease some of our concerns later in the water year," Murdock said. "In the spring is when we start to see wind events pick up, and the more water we have now helps, hopefully, to ease the fire risk."



# Water agency offers bigger rebates for removing grass

Incentive boost aims to reduce water use and improve resiliency



Marty Blum walks through her home garden in San Anselmo. Blum made use of the Marin Municipal Water District's cash-for-grass program to replace her lawn with plants that use less water. PHOTOS BY ALAN DEP — MARIN INDEPENDENT JOURNAL





Blum traded her 200-square-foot lawn for a pollinator garden.

**BY ADRIAN RODRIGUEZ**

[ARODRIGUEZ@MARINIJ.COM](mailto:ARODRIGUEZ@MARINIJ.COM)

After growing tired of looking at her thirsty backyard lawn languishing during the prolonged drought of 2021, Marty Blum of San Anselmo decided it was time to ditch the grass.

Blum applied for the Marin Municipal Water District's cash-for-grass program, which offers rebates to customers for qualifying projects that install low-water-use gardens in place of lawns. Blum traded her 200-square-foot lawn for a pollinator garden.

Since the program launched in 2021, more than 12.7 acres of lawn have been replaced through 631 projects, including Blum's. That saves about 235 acre-feet of water a year, according to estimates by the Marin Municipal Water District.

With a goal of replacing 170,000 square feet of grass this year, the district has increased its rebates to draw new applicants. Rebates have increased 68 cents to \$2.18 per square foot of lawn replaced for the base-level incentive, and to \$3.68 for "best practices" sustainable landscapes. Thanks to a boost in funding, residents can also earn an extra \$1 bonus rebate per square foot for qualifying rain garden installations.

Homeowner reimbursements will be capped at 1,000 square feet, and business owners capped at 5,000 square feet.

The goal of the program is to help customers reduce water use and contribute to the district's water resiliency, said Adriane Mertens, spokesperson for the district.

“We know that lawns typically need four times more water than climate-appropriate shrubs and perennials, which makes converting lawns to sustainable landscapes one of the best ways to use water more efficiently,” Mertens said. “Guided by its ‘water efficiency master plan’ developed in 2024, the district is focused on prioritizing program offerings that have demonstrated success and show potential for additional savings.”

The program is funded through a few sources, including a \$685,000 grant from the U.S. Bureau of Reclamation. The water district is providing a \$376,750 match.

Another \$24,466 was provided by the Marin County Storm Water Pollution Prevention Program. The contribution is what’s allowing the district to offer the bonus \$1 rebate for rain garden installments. The incentive will be offered until June 30 or while funds last. Depending on customer participation, it might be extended, Mertens said.

Replacing lawn with artificial turf does not qualify for the program, Mertens said.

The district has curated a list of landscaping resources at [marinwater.org/WaterSmartGardening](https://marinwater.org/WaterSmartGardening). Customers can get gardening inspiration, irrigation tips and tools, information on “water smart” plants and grey water and rainwater harvesting. The site also provides a database of qualified landscapers and other recommendations.

The district has another 747 project applicants who have been approved and are replacing their lawns, Mertens said.

Jim Johnstone, a Corte Madera resident, is among them. Johnstone has been approved to replace his 1,000-square-foot front lawn with a rain garden, a project that qualifies for the highest incentive of \$4.68 per square foot.

“Having a drought and pouring water on a lawn doesn’t make a lot of sense,” Johnstone said. “Having a lawn was much nicer when we had kids running around, but they’re grown and moved out. And what we want to do is pretty much what the district is asking for.”

While Blum’s project was completed before the new incentive began, she is glad she did it and encourages others to participate.

“It’s really achievable, even if you don’t consider yourself a gardener,” Blum said. “The water district provides so much help and creating a garden becomes a really terrific journey.”

With her lawn, her household used 340 to 370 gallons of water a day in July. In May, 200 to 240 gallons were used on a typical day, she said. That has been reduced to 150 to 200 gallons a day in the summer months, and about 100 to 145 gallons a day in the spring, she said.

The best part, Blum said, is she now has a home garden full of pollinators, including milkweed, salvias, butterfly bush, monkey flower and more.

“It’s like a sandbox where you can continue to play,” Blum said. “It’s really enriched my life.”

More information on the program is at [marinwater.org/Cash4Grass](https://marinwater.org/Cash4Grass).