



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
 March 21, 2023 – 6:00 p.m.
 District Headquarters
 Location: 100 Wood Hollow Dr
 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.

Est. Time	Item	Subject
6:00 p.m.		CALL TO ORDER
	1.	APPROVE MINUTES FROM REGULAR MEETING , March 7, 2023
	2.	GENERAL MANAGER'S REPORT
	3.	SPECIAL STAFF RECOGNITION
	4.	OPEN TIME: (Please observe a three-minute time limit) 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.
	5.	STAFF/DIRECTORS REPORTS
		ACTION CALENDAR
	6.	Authorize Affirmative Vote for SCWA FY2023-24 Water Transmission System Budget
	7.	Authorize General Manager to Execute an Agreement with Koff & Associates to Conduct Compensation Study
	8.	Facility Reserve Charge Adjustments
		INFORMATION ITEMS
	9.	Stafford Dam Adjustable Spillway Gate Project Update
	10.	Final Annual Report Fiscal Year 2021-22
	11.	MISCELLANEOUS Disbursements – Dated March 9, 2023 Disbursements – Dated March 16, 2023 Monthly Progress Report Agricultural Resilience in the Face of Extreme Dry Conditions: A Marin and Sonoma Partnership Response and Recommendations ACWA – Infrastructure Funding for SB 867 WAC Comment Letter to FERC_Post-Technical Meeting March 13, 2023 USACE announces high-flow release from Warm Springs Dam at Lake Sonoma NOAA Seasonal Drought Outlook 3-16-23

All times are approximate and for reference only.

The Board of Directors may consider an item at a different time than set forth herein.

Est. Time	Item	Subject
		<u>News Articles:</u> Marin IJ – District unveils strategy for new water supplies – MARIN MUNICIPAL Marin IJ – Key supplier of water for Marin seeks rate hikes – NORTH BAY Novato Advance - Your local water district for the greater Novato area
		<u>Social Media Posts:</u> NMWD Web and Social Media Report – February 2023
7:30 p.m.	12.	<i>ADJOURNMENT</i>

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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
MARCH 7, 2023

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6 **CALL TO ORDER**

7 President Fraites called the regular meeting of the Board of Directors of North Marin Water
8 District to order at 6:00 p.m. at the District Headquarters and the agenda was accepted as
9 presented. Present were Directors Jack Baker, Rick Fraites, Michael Joly, Ken Eichstaedt, and
10 Stephen Petterle. Also present were General Manager Tony Williams, District Secretary Eileen
11 Mulliner, Auditor-Controller Julie Blue and AGM/Chief Engineer Eric Miller. After introducing staff
12 present, Mr. Williams requested that Item #8 be moved from Information to the Action Calendar.

13 District employees, Robert Clark (Maintenance/Operations Superintendent), and Chris
14 Kehoe (Construction Superintendent) were also in attendance. Eric Lucan was also in the
15 audience.

16 **MINUTES**

17 On motion of Director Baker, seconded by Director Joly the Board approved the minutes
18 from the February 21, 2023 meeting as presented by the following vote:

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

20 NOES: None

21 ABSENT: None

22 ABSTAIN: None

23 **GENERAL MANAGER'S REPORT**

24 During the General Manager's report, Mr. Williams brought to the Board's attention the 75th
25 year logo which was on a banner hung up behind the Board and that the Board will see its use
26 throughout the year. Mr. Williams also spoke about a Water Education Foundation (WEF) seminar
27 in Sacramento he attended in late February. He also gave a brief update on the Potter Valley Project
28 (PVP) stating there were ongoing discussions between a regulatory agency, PG&E, and FERC, and
29 that SCWA is pushing the importance of not bogging down the surrender process of the project. He
30 noted that the WAC Ad-hoc committee for PVP is convening soon. Mr. Williams also informed the
31 Board that Chris Kehoe is officially the Construction/Maintenance Superintendent and he
32 acknowledged that Pete Castellucci did a fantastic job during the interim period.

33 **OPEN TIME**

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

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1 **STAFF/DIRECTORS REPORTS**

2 President Fraites asked if staff or Directors wished to bring up an item not on the agenda
3 and there was no response.

4 **CONSENT CALENDAR**

5 On the motion of Director Petterle and seconded by Director Joly the Board approved the
6 following items on the consent calendar by the following vote:

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

8 NOES: None

9 ABSENT: None

10 ABSTAIN: None

11 **CONSULTANT SERVICES AGREEMENT – SCS**

12 Subsequent to an inspection by the Environmental Protection Agency (EPA) at the Stafford
13 Treatment Plant, a report was issued to the District that included a number of items identified as
14 EPA “Area(s) of Concern”. One item was related to the chlorine systems used in production at STP.
15 The District solicited quotes from qualified firms to conduct a code gap-analysis and to provide a
16 comprehensive list of code changes since 2004 when STP was constructed to aid in compliance
17 with EPA guidelines. SCS was chosen by staff to provide the required professional services.

18 The Board approved the SCS Consultant Services Agreement for Audit of Chlorine Gas
19 System at Stafford Treatment Plant. Director Eichstaedt asked that a rate sheet be included with
20 the scope of work for consultant services agreements in the future.

21 **ACTION CALENDAR**

22 **APPEAL OF ADU FACILITY RESERVE CHARGE REFUND DECISION**

23 Mr. Williams advised the Board that there were three options before them: 1) to deny the
24 request for a partial refund, or 2) approved a partial refund, or 3) defer the matter for a later meeting.
25 He also noted that the President should allow time for District customer Eric Lucan to address the
26 Board following Mr. Miller’s report. Mr. Miller provided an overview of the District’s processing of the
27 ADU applications and the previous partial refund requests and correspondence between the District
28 and Mr. Lucan in which the District denied Mr. Lucan’s request. Mr. Miller explained to the Board
29 that Mr. Lucan had paid the previous FRC fee for two ADU projects and because the revised
30 Regulation 1 fees as of December 6, 2022 are lower than when he paid, he is requesting from the
31 District for a partial refund of the difference. Mr. Lucan addressed the Board and summarized his
32 appeal to the Board following staff’s denial of his request for a refund for his 2 ADU projects. After
33 discussion and comments by some of the Directors, a motion was made by Director Petterle to
34 support staff’s previous denial of any refunds. This motion was seconded by Director Eichstaedt but
35 after a roll call by the District Secretary, the motion did not pass with Directors Baker, Joly and

1 Fraites voting no. After additional discussion by the Directors, Director Joly proposed a compromise
2 to Mr. Lucan for a partial refund of the fee he paid for just only the second ADU for which fees were
3 paid on June 13, 2022 and in consideration that no water usage at the second ADU has occurred to
4 date.

5 On the motion of Director Joly, and seconded by Director Baker, the Board approved by the
6 following vote:

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

8 NOES: Director(s) Eichstaedt, Petterle

9 ABSENT: None

10 ABSTAIN: None

11 Mr. Lucan left the meeting.

12 **LETTER OF SUPPORT FOR ASSEMBLY BILL (AB) 30**

13 Mr. Williams explained that he had been asked to send a letter to Assemblymember
14 Christopher Ward offering NMWD's support of Assembly Bill (AB) 30 which he sponsored and
15 SCWA co-sponsored. AB 30 updates and expands the Department of Water Resources
16 Atmospheric River Research and Forecast Improvement Program. Advancing observations and
17 forecasts of atmospheric rivers is critical to the successful water management and overall resiliency
18 in light of climate change and its impacts.

19 On the motion of Director Joly, and seconded by Director Baker, the Board approved by the
20 following vote:

21 AYES: Director Baker, Eichstaedt, Fraites, Joly and Petterle

22 NOES: None

23 ABSENT: None

24 ABSTAIN: None

25 **PROPOSED FY 2023/24 BUDGET REVIEW AND RATE HEARING SCHEDULE**

26 Julie Blue gave an overview of the proposed FY 2023/24 budget review and rate hearing
27 schedule. She said the dates are consistent with last year.

28 On the motion of Director Joly, and seconded by Director Baker, the Board approved by the
29 following vote:

30 AYES: Director Baker, Eichstaedt, Fraites, Joly and Petterle

31 NOES: None

32 ABSENT: None

33 ABSTAIN: None

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1 **INFORMATION ITEMS**

2 **INITIAL REVIEW SONOMA WATER FY 2023/24 WATER TRANSMISSION SYSTEM BUDGET**

3 Mr. Williams gave a brief overview of the initial review Sonoma Water FY 2023/24 Water
4 Transmission System Budget. He said that Sonoma Water will be giving a formal presentation at
5 the March 21, 2023 meeting. Director Joly expressed concern over the significant increase in the
6 rates compared to last year. Director Baker asked Mr. Williams to clarify if part of the reason for the
7 rate increase was Sonoma Water's desire to not continue with deferment or delay of any critical
8 projects and Mr. Williams confirmed and noted that lower water sales over the last 2 years was
9 another major factor.

10 **OCEANA MARIN AND SEWER SERVICES TO DILLON BEACH PROPERTIES**

11 Mr. Williams explained to the Board that a grant-funded study by the County that was done in
12 October 2022 as previously presented to the Board regarding Oceana Marin and sewer services to
13 Dillon Beach properties. Mr. Williams noted a recent meeting that the County held with the District
14 and the Local Agency Formation Commission (LAFCo) Executive Officer in which President Fraites
15 participated. Mr. Williams suggested an Ad-hoc committee be formed to participate in future
16 meetings and to discuss overall West Marin services in greater detail and the Board agreed.
17 Directors Fraites and Eichstaedt were identified as members of the new Ad-hoc committee.

18 **NBWA – MARCH 3, 2023**

19 President Fraites informed the Board that he attended the North Bay Water Association
20 (NBWA) meeting on March 3, 2023.

21 **MISCELLANEOUS**

22 The Board received the following miscellaneous items: Disbursements-Dated February 23,
23 and March 3, 2023, Auditor-Controller's Monthly Report of Investments for January 2023, U.S.
24 Seasonal Drought Outlook -February 28, 2023, Sonoma Water 2023 Strategic Plan, Fact Sheet –
25 West Marin Service Area Water Supply Resiliency Project.

26 The Board also received the following news articles: Marin IJ – Plans to split lots begin to
27 multiply – REAL ESTATE, Marin Municipal details drought surcharge plan – RECOVERING REVENUE,
28 Drought ends for majority of California – FEDERAL REPORT, Current U.S. Drought Monitor Conditions
29 for California: Current, Novato Advance – North Marin Water District; Serving Novato for 75 Years!

30 **ADJOURNMENT**

31 President Fraites adjourned the meeting at 7:22 p.m.

32 Submitted by

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35 Eileen Mulliner
36 District Secretary
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MEMORANDUM

To: Board of Directors

March 21, 2023

From: Tony Williams, General Manager *TW*
Julie Blue, Auditor-Controller *JB*Subj: Authorize Affirmative Vote for Sonoma Water FY23/24 Water Transmission System Budget
T:\ACIBudget\FY-2023.24\SW Budget Subcommittee\Authorize SW Budget Review of SW Budget.docx**RECOMMENDED ACTION:** Authorize WAC Representative to vote in favor for Sonoma Water (SW) FY 2023/2024 Water Transmission (WTS) Budget**FINANCIAL IMPACT:** Approximate \$640,000 increase in purchased water

A final draft of the Sonoma Water, Water Transmission System budget for FY 2023/2024 (FY 23/24) is provided as Attachment 1. A presentation of the Draft FY 23/24 SW WTS Budget (Attachment 2) will be provided by SW staff Lynne Rosselli, Administrative Services Division Manager and her direct report Jake Spaulding, Finance Manager. The budget proposes NMWD water purchases at a cost of \$1,239.62 per acre-foot, versus \$1,101.82 per acre-foot this current fiscal year (Attachment 1, page 2), which is an increase of 12.51%. The SW budget is based on projected purchases of 5,303 acre-feet (AF) versus 6,455 AF budgeted in FY 22/23. The total cost of the increase will vary depending on the volume of water purchased but is projected to cost \$640,000.

SW previously forecasted future annual water rate increases between 4% and 6% for the water contractors but the NMWD increase can fall outside of this range. The contractual arrangement between SW and NMWD includes a Russian River Conservation Charge and a Russian River Projects Charge in lieu of property taxes levied on Sonoma County properties. Additionally, decreases in water purchases by all of the water contractors, due to the drought, created an unexpected substantial increase in the FY 23/24 rate and may impact subsequent year's rate increases.

A TAC Ad Hoc Finance subcommittee was formed in January, 2023 to review and negotiate the budget with the Agency. The Ad Hoc Finance subcommittee, included Julie Blue, Auditor Controller and met once in January 2023 and three times in February 2023. The TAC approved the FY 23/24 SW WTS budget, with a majority vote, on March 6, 2023. A special WAC meeting will be held on April 3, 2023 to consider the budget. Absent any objections by Board members, it is my 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 for FY23/24 SW Water Transmission System Budget.

ATTACHMENTS:
1. Sonoma Water FY 23/24 Water Transmission Budget
2. Sonoma Water FY 23/24 Water Transmission Budget Presentation

Water Transmission FY 2023/2024 Draft Budget and Rates

This draft FY 2023/2024 Water Transmission Budget has been developed based on the prior 12-months of water deliveries of 41,847 Acre-Feet (AF). Due to the drought and the community's water conservation measures, budgeted deliveries are 8.5% less than FY 2022/2023. The draft budget is shown in the table below:

	FY22-23	FY23-24	
	Budget (in Millions)	Budget (in Millions)	Change (in Millions)
Operations and Maintenance	\$38.68	\$40.41	\$1.73
Capital Projects	\$13.25	\$12.28	(\$0.97)
Biological Opinion Compliance, Water Supply Planning, Water Conservation	\$13.89	\$9.78	(\$4.11)
Debt Service	\$6.01	\$5.83	(\$0.18)
Totals	\$71.83	\$68.30	(\$3.53)
Grants, Use of Fund Balance, and Bond Proceeds	\$15.31	\$18.15	\$2.84

FY 2023/2024 Draft Budget Financial Summary compared to FY 2022/2023 Adopted Budget: Factors affecting the rate increase:

Operations and Maintenance (O&M)

- 8.5% decrease in budgeted deliveries.
- 1% increase in water sales revenue
- FY 2023/2024 budgeted expenditures: \$40.41 million. An increase of \$1.73 million or 4.5%.
- \$640,000 in Use of Fund Balance.
- Budgeted expenditures increase is attributable to the tank recoat program, SCADA improvements, and large equipment purchases.
- Must have sufficient net operating revenues to meet 1.15x debt coverage bond covenant requirement.
- Water Sales Revenue Shortfall:
 - FY 2021/2022: \$1 million; FY 2022/2023: estimated \$4 million to \$6 million below budget.
- Actual Expenditures plus Encumbrances compared to Budgeted Expenditures tracked very closely in FY 2021/2022 and are anticipated to align closely in FY 2022/2023 with the exception of several projects that experienced unforeseen delays: Cathodic Protection, Tank Maintenance Program, SCADA improvements. Unspent budget from these projects is rolled forward to subsequent budget years to avoid being included in the rate calculation more than once. The FY 2023/2024 budget shows increased costs for these projects over prior years.
- Budgeted projects have been thoroughly reviewed and edited, and represent the budgeted work that can reasonably occur in FY 2023/2024. Budgeted maintenance projects are a priority and cannot be deferred further.
- 10.70% rate increase compared to 18.97% increase in FY 2022/2023.

Sonoma Water Identified certain maintenance projects that could be deferred. The O&M budget has been reduced by deferring \$2.4 million in maintenance projects: Deferring maintenance projects reduced the O&M rate increase from more than 20% to 10.70%. Deferred projects include:

- DeMuth Property Hydrogeologic Investigation
- Dive Services
- Emergency Inventory Procurement
- Hearn Avenue Electrical Project
- pH and Chlorine Systems Assessment
- Reduced Emergency Inventory Procurement
- Regional Water Emergency Prep Program Development
- Regional Water Supply Resiliency Study
- Russian River Operations Support
- Transmission System Condition Assessments
- Transmission System Monitoring Master Plan

Capital Projects

Capital Projects: FY 2023/2024 draft budgeted expenditures of \$12.28 million decreased by \$970,000 or 7%.

Hazard mitigation projects (\$6.3 million) and infrastructure improvement projects/drought resiliency projects (\$5.9 million) are fully funded by Water Revenue Bonds, grants, and existing rolled forward Fund Balance.

Investing in Infrastructure:

Construction: Hazard Mitigation Projects	\$5,468,900
Ely BPS Flood Control & Electrical Upgrade	600,000
RDS Pump and Motor Control Center Replacement	2,300,000
Wilfred Booster Station	2,568,900
Design: Hazard Mitigation Projects	\$866,300
Bennett Valley Fault Crossing	566,300
Seismic Retrofit of Storage Tanks	300,000
Construction: Other Capital Projects	\$5,389,600
Occidental Road Well	3,041,600
Warm Springs Dam Hydroturbine Retrofit	2,050,000
Wohler Bridge Fiber Optic Cable	298,000
Design Other Capital Projects	\$550,785
Mirabel/Wohler Storage Building	157,200
Ralphine Tanks Flow Thru Conversion	264,185
Sebastopol Road Well	79,400
South East Greenway Acquisition	50,000

Biological Opinion

- 8.5% decrease in deliveries
- 3% increase in revenue
- 44% decrease in expenditures
- \$3.50 million in Use of Fund Balance reduces rate increase from 266% to 9.94%
- 9.94% rate increase compared to -75.35% increase in FY 2022/2023 when \$7.5 million in Use of Fund Balance was budgeted.

Dry Creek Habitat Enhancement Phase 4 design activities have been completed. The U.S Army Corps anticipates construction of Phase 4 in the summer of 2023. Right-of-way activities are ongoing for all three phases. Sonoma Water has pending expenditure credits under review by the U.S. Army Corp. The credits may offset a portion of Sonoma Water's 35% cost share for Phases 4, 5, and 6 construction costs. The draft budget includes the addition of design, right-of way, and construction for Dry Creek Habitat Enhancement Phase 4 inlet 13B, ongoing costs for Phases 5 and 6 design, right-of way, and construction and other required biological opinion activities.

Among other ongoing biological opinion activities, Sonoma Water staff are currently working on revisions in anticipation of recirculating the Draft EIR in 2023.

In FY23/24, a \$150,000 match contribution has also been included for the Potter Valley Project Russian River Water Forum Grant application submitted to DWR under the 2022 Urban Community Drought Relief Grant Program. If the grant is awarded additional match would also be provided by the County of Sonoma, County of Mendocino, and the Sonoma Water Russian River Projects Fund.

Water Conservation

- 8.5% decrease in deliveries
- 0% increase in revenue
- 3% decrease in expenditures
- \$418,000 in Use of Fund Balance. Reduces rate increase from 34.88% to 13.85%.
 - FY 2022/2023 Adopted Budget used \$568,000 in Fund Balance to reduce the Water Conservation Rate Increase to 6.89%.
 - Without the Use of Fund Balance in the FY 2022/2023 Adopted budget, the Water Conservation rate increase would have been 34.88%.
 - Due to decreased deliveries, there is limited capacity to use Fund Balance in the FY 2023/2024 Adopted Budget.
- 13.85% rate increase compared to 6.89% increase in FY 2022/2023 when \$568,000 in Use of Fund Balance was budgeted.

Programmatic Summary and Effect on Rate Increase:

Sonoma Water and the Sonoma Marin Saving Water Partnership plan to continue work on drought related initiatives and corresponding outreach and education activities.

There was an expansion of programs (at the direction of the Water Contractors) to respond to the historical drought conditions after rates were set in FY21/22 and FY22/23. The costs of these programs were not captured in the previous years' rates and the expenses we therefore paid for by fund balance. These programs included a \$66,000 increase for Drought kits and prize giveaways, as well as \$40,000 in printed drought outreach materials, \$195,000 in advertising, and \$28,000 in ad-design services (photography, videos, and graphic design).

This year we are also proposing to apply for and if awarded administer a Department of Water Resources (DWR) grant through the Urban Community Drought Relief Grant Program. Pursuing this grant does increase the proposed rate in the subfund for FY23/24 by approximately 8.5% due to upfront match costs, which includes not only programmatic match, but also match from grant administration staff expenses that disproportionately fall

in FY23/24 (due to required agreements needed with the Partners) that are only 55 percent reimbursable. The programmatic costs also hit FY23/24 disproportionately due to the match requirements of the grant program. However, the grant ultimately covers 75% of total programmatic costs and the added benefit to the water contractors vastly outweighs the extra 8.5% rate increase that would be incurred. Additional benefits that will be realized for this cost include a commercial, industrial, and institutional (CII) sector Spatial Analysis to provide landscape area measurements (and non-functional turf measurement) needed for the CII standard of the statewide water conservation framework, a regional WaterSmart Plant Kit Program to convert 1.2 million square feet of turf to low water use landscaping, residential Water Smart Home Assessments, and additional QWEL trainings and development of a new QWEL greywater manual. Grant funds will be able to offset costs we would have incurred anyway for ongoing regional programs such as QWEL trainings, the annual Eco-Friendly Garden Tour, and the WaterSmart Plant Label Program, with some small expansion of this program included in the grant in direct support of marketing the WaterSmart Plant Kit program. Overall, however, these ongoing program costs will be significantly lower for the three-year period of the grant. Lastly, we are maximizing pre-award cost match to keep the programmatic match costs low.

The Water Conservation Subfund budget is otherwise 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, DIY Toolkit, Eco-Friendly Garden Tour, Russian River Friendly Landscaping, and the WaterSmart Plant Label Program. Additional funding is included to sustain the Partnership regional outreach campaigns, website, and regional representation for the developing Urban Water Use Objectives. No expanded services would be included for the plant label program (\$10,000) without the grant, and no reimbursement of future program costs for these ongoing programs would occur. The table below summarizes the budget and rates with and without the DWR grant.

FY 2022/2023 Water Conservation Rate: \$47.50

Budget and Rates without DWR Grant	Budget and Rates with DWR Grant	DWR Grant Benefits (over 3 years)
<p><u>Programs included:</u></p> <p>baseline projects</p> <p><u>FY 2023/2024 Expenditures</u> \$2,591,500</p> <p><u>FY2022/2023 vs FY 2023/2024</u> (\$2,175,924)</p> <p><u>% Decrease from PY</u> -46%</p> <p><u>FY 2023/2024 Rate</u> \$49.92</p> <p><u>FY 2023/2024 Rate Increase</u> 5.07%</p> <p>Total Water Transmission Rate Increase 10.17%</p>	<p><u>Programs included:</u></p> <p>baseline projects</p> <p><u>Plus:</u> CII Spatial Analysis WaterSmart Plant Kit Program Water Smart Home Assessments Additional QWEL trainings</p> <p><u>FY 2023/2024 Expenditures</u> \$4,615,242</p> <p><u>FY2022/2023 vs FY 2023/2024</u> (\$152,182)</p> <p><u>% Decrease from PY</u> -3%</p> <p><u>FY 2023/2024 Rate</u> \$54.08</p> <p><u>FY 2023/2024 Rate Increase</u> 13.85%</p> <p>Total Water Transmission Rate Increase 10.56%</p>	<p><u>Additional Programs</u> Spatial Analysis to meet new State Standards Additional Water saving programs for residents Additional QWEL Trainings QWEL greywater manual</p> <p>~\$3.8M in offsetting revenue for new and existing programs</p> <p>Conservatively, contingent on a number of factors, 3% rate increases on average are anticipated over three future fiscal years.</p>
<p>Net effect of Water Conservation Rate Increase on Total Water Transmission Rate Increase</p> <p>0.39%</p>		

Debt Service

Debt Service Expenditures decreased by \$180,000 or 3% resulting from the issuance of \$15M 2022 Water Revenue Bonds offset by the refinancing of the 2012 Water Revenue Bonds. S&P assigned a rating of “AAA” to the 2022 Bonds, the highest possible rating, which represented an affirmation of the existing credit rating on parity bonds. The 2022 Bonds were issued at a total interest cost of 3.32%. The refunding of the 2012 Bonds generated \$311,771 of present value savings or approximately 4.04% of the par amount refunded.

Summary

The draft proposed budget for FY 2023/2024 is based on accomplishing the required elements of the Biological Opinion, maintenance of facilities, and continued implementation of hazard mitigation and reliability projects, and projects responsive to the drought conditions.

Sonoma Water recognizes the profound impact of natural hazards and the COVID-19 pandemic 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 keep rate increases at a minimum while continuing to maintain system reliability and public health and safety. Sonoma Water has consistently kept

average rate increases at 4.62% and 4.68% over the past five and ten years respectively, lower than a 5% average rate increase, even with the 6.05% rate increase in FY 2022/2023.

Rate increases following the events impacting the county averaged 4.26% and were as follows:

Rate Increase History	Budget Year Following Event	Rate Increase
Tubbs Fire October 2017	FY 2018/2019	3.67%
Floods January-February 2019	FY 2019/2020	4.60%
Kincade Fire October 2019	FY 2020/2021	5.30%
Covid March 2020	FY 2021/2022	3.47%

Sources of revenue include water sales and charges for services, federal and state grants, existing fund balances, contributions, interest, and bond financing.

Revenues	FY 2023/2024 Draft Budget	Increase/(Decrease) over FY 2022/2023
Water Sales & Charges for Services	50,251,488	1%
Operating Grants	1,764,210	5,348%
Capital Grants	1,225,000	(75%)
Contributions	303,965	(75%)
Interest & Investment Earnings	1,004,962	677%
TOTAL	54,549,625	(2%)

Fund Balance	FY 2023/2024 Draft Budget	Increase/(Decrease) over FY 2022/2023
Use of Fund Balance: 37% from Operating Funds; 63% from Capital Funds	12,297,157	26%

Bond Funds	FY 2023/2024 Draft Budget	Increase/(Decrease) over FY 2022/2023
Use of Bond Funds	2,860,000	(56%)

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.

Budget and Rate Reduction Measures reflected in the March 1 draft budget:

- Decreased rate increase from 20% to 10.56% in part by deferring \$2.4 million in operations and maintenance projects. Sonoma Water has been deferring millions of dollars of capital and maintenance projects annually to reduce rate increases. The \$2.4 million in deferred maintenance projects in this FY 2023/2024 Draft Budget is the maximum that can reasonably be deferred.
- Total expenditures budget is 4.91% lower than FY 2022/2023.
- Capital Program is fully funded by the 2022 sale of \$15 million in Revenue Bonds, grants, and fund balance. No contribution from Water Transmission O&M Fund.

- The contractors on the Santa Rosa AQ maintained their discretionary capital charge at \$11 resulting in a rate of 10.56%. The contractors on the Petaluma AQ have decreased their capital charge to \$0 reducing their rate to 9.42%. The contractors on the Sonoma AQ reduced their capital change from \$38 to \$34.90 reducing their rate to 10.56%.
- Use of \$18.15 million in grants, fund balance, and bond proceeds reduces the rate increase from 51.44% to 10.56%.
 - Use of Fund Balance: \$12.3 million. Unable to use more prudent reserve and remain compliant with debt coverage covenant.
 - Grant revenue: \$2.99 million
 - Bond proceeds: \$2.86 million
- Water Transmission System Total Cost per Gallon is \$0.004.

Factors affecting the Rate Increase:

- 8.5% decrease in budgeted water deliveries.
- Two years with actual water deliveries between 4% and an estimated 9% less than budget.
- 2.5% decrease in total revenue.
- 4.5% increase in O&M costs.
- 77% of the rate increase is attributable to the O&M budget, 14% to debt service, and 8% to the subfunds (Water Management, Watershed Planning and Restoration, Recycled Water and Local Supply, and Water Conservation).
- The net effect of the Water Conservation Rate Increase (including or excluding the proposed Department of Water Resources grant) on the Total Water Transmission Rate Increase is 0.39%.
- Increases in material and equipment costs for aging infrastructure and priority maintenance projects that can no longer be deferred, continued supply chain disruptions, long lead times on equipment, and the current inflationary environment are putting upward pressure on the Water Transmission System budget.

Proposed rates are shown in the table below:

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	41,847		
O&M	\$903.30	\$903.30	\$903.30
Water Management Planning	\$0.00	\$0.00	\$0.00
Watershed Planning & Restoration	\$35.96	\$35.96	\$35.96
Recycled Water and Local Supply	\$0.00	\$0.00	\$0.00
Water Conservation	\$54.08	\$54.08	\$54.08
Total O&M	\$993.34	\$993.34	\$993.34
Storage & Common Bond/Loan Charges	\$168.75	\$168.75	\$168.75
Sonoma Aqueduct Bond/Loan Charge			\$151.68
Prime Contractors	\$1,162.09	\$1,162.09	\$1,313.77
<u>Discretionary Charges</u>			
Capital Charges - to build fund balance for future projects	\$11.00	\$0.00	\$34.90
Total Prime Contractors	\$1,173.09	\$1,162.09	\$1,348.67
Total Overall Increase:	10.56%	9.42%	10.56%

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

FY 2021/2022 Budget	FY 2021/2022 Actuals	FY 2022/2023 Budget	FY 2022/2023 Actuals	FY 2023/2024 Estimated Budget
<i>3-year Average</i>		<i>3-year average</i>		<i>12-months</i>
46,095.00	44,236.90	45,748.00	41,847	41,847
	4% less than budget		8.5% less than budget	FY22-23 vs FY23-24 Budget
Variance	(1,858.10)			(3,901)

FY 2022/2023 Budgeted Deliveries vs FY 2023/2024 Budgeted Deliveries	8.5% decrease
FY 2021/2022 Actuals vs FY 2022/2023 Estimated Actuals	5.4% decrease

- **Operations and Maintenance (O&M) – Water Transmission O&M Fund (Budget Packet Pages 15-24):**
 - 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	\$87.28	10.7%	Increase due to lower than budgeted water sales resulting in a lower delivery figure for budgeting.
Revenue	\$779,000	1.6%	Increase in revenue is attributable to the rate increase. Using an estimated \$1,500,000 in Prudent Reserve in FY22/23 to cover lower than anticipated deliveries and \$640,000 of fund balance in FY23/24 to reduce rate increase.
Expenditures	\$184,000	.3%	Increase is attributable to an increase in maintenance projects (cathodic protection, tank recoats, pump and valve replacements, chlorine and pH improvement projects, SCADA upgrades), studies (Regional Water Supply Resiliency, Watershed and Water Quality Seismic Mitigation Studies, Local Hazard Mitigation Plan), and emergency inventory procurement.

Factors affecting the O&M rate:

O&M Fund Expenditures	Increase (Decrease) in Dollars	Percent Change	Description
Labor	\$885,000	5.1%	Increase is attributable to an increase in labor costs for maintenance projects (cathodic protection, tank recoating program, tank maintenance program, pump and valve replacements, electrical projects, chlorine and pH improvement projects, SCADA upgrades), studies (Regional Water Supply Resiliency, Watershed and Water Quality Seismic Mitigation Studies, Local Hazard Mitigation Plan), emergency inventory procurement, and mitigation monitoring for recently completed FEMA projects, offset by decrease in labor for deferred maintenance projects.
Power	\$750,000	21.4%	Increase due to elevated energy production and transmission costs caused by drought, geopolitical events, and supply chain constraints.
Chemicals	\$75,000	10.7%	Increase due to Santa Rosa Plain Well activation.
Testing/Analysis	\$50,000	33.3%	Increase associated with expanded sampling and analysis tied to the Santa Rosa Plain Wells Projects as well as additional Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) testing.
Contract Services	(\$510,000)	-4.4%	Decrease attributable to \$1.36M in deferrals. Decrease offset by increased maintenance project costs attributable to Tank Maintenance and Tank Recoat Projects.
Maintenance - Equipment	(\$411,000)	-12.5%	Decrease attributable to lower budgeted expenses and \$380,000 in deferrals.
Small Tools - Instruments	\$50,000	50.0%	Increase reflects five-year average expenditures.
Operating Transfers	(\$276,000)	-2.7%	Operating Transfers (OT's) move revenue generated by rates into respective funds (debt service funds, subfunds, aqueduct capital funds and Common Facilities) and maintain appropriate fund balance.

- **Subfunds: (Budget Packet Pages 25-34):**

- 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.

Water Management Planning	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	(\$0.20)	-100.0%	Fiscal Year 2022/2023 rate is \$0.20. Fund is for Urban Water Management Plan updates and the Annual Water Supply & Demand Assessment. Past rate increases have accumulated fund balance and allow rate to be set at \$0 in FY23/24. Current Urban Water Management Plan was submitted in Fiscal Year 2021.
Revenue	(\$6,000)	-52.0%	Using an estimated \$100,000 in fund balance to decrease rate to \$0 resulting in lower revenue.
Expenditures	\$25,000	33.3%	Budget increase is due to staff time related to the annual water supply and demand assesment. Budget request is for follow-up meetings, responding to State Department of Water Resources and contractor requests, tracking regulatory compliance changes, and coordinating with climate adaption strategic planning efforts.

- 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	\$3.25	9.9%	Fiscal Year 2022/2023 rate is \$32.70. Rate increase is primarily a result of an 8.5% decrease in deliveries. Rate of \$120/AF based on \$5M in expenditures and 41,847 AF is reduced to \$35.96/AF by using \$3.5 million in fund balance.
Revenue	\$47,000	2.9%	Increase due to subfund rate increase offset by use of fund balance to reduce and smooth overall rate increase.
Expenditures	(\$3,992,000)	-44.4%	Decrease in expenditures is a result of reduced budgeted cost share due to U.S. Army Corps credits for Sonoma Water's share of costs for construction of Dry Creek Habitat Enhancement phases 4, 5, and 6. Budget includes addition of the PVP RR Water Forum Two Basin Solution Phase 2 - DWR 2022 Urban Community Drought Relief Grant Program match, and ongoing costs for Dry Creek Habitat Enhancement Phases 4, 5, 6, and phase 4 inlet 13B and other required biological opinion activities.

- 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	(\$0.50)	-100.0%	Fiscal Year 2022/2023 rate is \$0.50. Due to accumulated fund balance budget reduces rate to \$0 in FY23/24.
Revenue	(\$19,000)	-75.2%	Using an estimated \$56,000 in fund balance to decrease rate to \$0 resulting in lower revenue.
Expenditures	\$0	0.0%	No increase anticipated over FY2022-2023 budget. Expenditures are for Sonoma Water's share of Groundwater Sustainability Agencies' budgets.

Water Conservation:

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

Water Conservation	Increase (Decrease) in Dollars	Percent Change	Description
Rate per AF	\$6.58	13.8%	Fiscal Year 2022/2023 rate is \$47.50. Rate increase is primarily a result of an 8.5% decrease in deliveries. Rate of \$63.06/AF based on \$2.6M of net expenditures and 41,847 AF is reduced to \$54.08/AF by using \$418,000 in fund balance.
Revenue	\$14,000	0.3%	Increase due to subfund rate increase offset by use of fund balance to reduce and smooth overall rate increase.
Expenditures	(\$152,000)	-3.2%	Decrease is associated with offsetting grant revenue from DWR Urban Community Drought Relief Grant Program. Expenditures used to implement water use efficiency, outreach and education projects, address drought conditions and ongoing water conservation needs, and pass-through grant funds to water contractors and other partners.

- **Storage, Common, and Sonoma Bond/Loan Charges: (Budget Packet Pages 45-59):**
 - The rates are calculated by dividing the annual debt service and reserve requirements (2015A, 2019A, and 2022A Water Revenue Bonds) by water deliveries.

Storage and Common Bond/Loan Charges	Increase (Decrease) in Dollars	Percent Change	Description
Storage Bond/Loan Charge	\$2.59	9.8%	Fiscal Year 2022/2023 rate is \$26.55. Rate is based on revenue requirement for debt service divided by water deliveries. Total Debt service lower than previous year due to savings associated with refunding in the 2022 Revenue Bond Issuance. Rate increase is due to decrease in budgeted water deliveries.

Storage and Common Bond/Loan Charges	Increase (Decrease) in Dollars	Percent Change	Description
Common Bond/Loan Charge	\$13.05	10.3%	Fiscal Year 2022/2023 rate is \$140.41. Rate is based on revenue requirement for debt service divided by water deliveries. Total Debt service lower than previous year due to savings associated with refunding in the 2022 Revenue Bond Issuance. Rate increase is due to decrease in budgeted water deliveries.
Sonoma Aqueduct Bond/Loan Charge	\$20	15.0%	Fiscal Year 2022/2023 rate is \$151.68. 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 savings associated with refunding in the 2022 Revenue Bond Issuance. Rate increase is due to decrease in budgeted water deliveries.

***S&P assigned a rating of "AAA" to the 2022 Bonds, the highest possible rating, which represented an affirmation of the existing credit rating on parity bonds. The 2022 Bonds were issued at a total interest cost of 3.32%. The refunding of the 2012 Bonds generated \$311,771 of present value savings or approximately 4.04% of the par amount refunded.

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 2022-2023 draft budget includes a \$11 per Acre-Foot charge for the Santa Rosa Aqueduct, a \$12 per Acre-Foot charge for the Petaluma Aqueduct, and a \$38 per Acre-Foot charge for the Sonoma Aqueduct.
- The FY 2023-2024 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.

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

- 10.56% (Santa Rosa Aqueduct); 9.42% (Petaluma Aqueduct); 10.56% (Sonoma Aqueduct)
- FY 2023/2024 budgeted deliveries are based on 12 months of deliveries (41,847AF). FY 2023/2024 budgeted deliveries are 8.5% less than FY 2022/2023 budgeted deliveries.
- The FY2023/2024 budget accommodates an increase in maintenance projects (cathodic protection, pump and valve replacements, chlorine and pH improvement projects, tank recoats), studies (Regional Water Supply Resiliency, Watershed and Riverbank Filtration Water Quality Studies), emergency inventory purchases, Biological Opinion Flow EIR and Dry Creek Habitat Enhancement design and right-of-way for phases 4 inlet 13B, 5, and 6, and construction for phases 4, and 5, two DWR the Urban Community Drought Relief Grant Programs, and investment in hazard mitigation and other capital infrastructure projects.

FY 2023-2024 Capital Projects

(Budget Packet Pages 35-44):

Water Transmission Budget
Capital Projects Summary

FY23-24

Project	Category	Amount	Status
Ely BPS Flood Control & Electrical Upgrade	Petaluma AQ	600,000	Award Q3 FY21/22; Completion in Q2 FY23/24
Wilfred Booster Station	Petaluma AQ	2,568,900	60% design; Award in FY23/24
Bennett Valley Fault Crossing	Sonoma AQ	283,150	Consultant selected FY22/23, 30% design Q3 FY22/23. Anticipate award in FY25/26
Bennett Valley Fault Crossing	Storage	283,150	Consultant selected FY22/23, 30% design Q3 FY22/23. Anticipate award in FY25/26
Seismic Retrofit of Storage Tanks	Storage	300,000	Preliminary design; Tied to Tank Recoat schedule
South East Greenway Acquisition	Storage	50,000	ROW timing pending CalTrans transfer of property to SR, anticipate FY 23/24
Ralphine Tanks Flow Thru Conversion	Storage	264,185	Preliminary design, Anticipate award FY24/25
Mirabel/Wohler Storage Building	Common	157,200	Preliminary design, Anticipate award FY24/25
RDS Pump and Motor Control Center Replacement	Common	2,300,000	Preliminary design; Award in FY23/24
Occidental Road Well	Common	3,041,600	Design 22/23; Construction 23/24
Sebastopol Road Well	Common	79,400	Construction FY22/23 & FY23/24
Warm Springs Dam Hydroturbine Retrofit	Common	2,050,000	Re-issue equipt. RFP. Award construction FY 23/24
Wohler Bridge Fiber Optic Cable	Common	298,000	Public Works Project expected summer 23/24
	TOTAL	12,275,585	
	Santa Rosa AQ	-	
	Petaluma AQ	3,168,900	
	Sonoma AQ	283,150	
	Storage	897,335	
	Common	7,926,200	
		12,275,585	

Sonoma County Water Agency
Fiscal Year 2023/2024 Draft Water Transmission Budget and Rates

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Fiscal Year 2023/2024

Prime Contractor Rates Summary

CHARGE PER ACRE FOOT:

	Santa Rosa	Petaluma	Sonoma	FY22-23			Percent Change
	Aqueduct	Aqueduct	Aqueduct	SR	Pet	Son	
O&M Charge [4.2]	903.30	903.30	903.30	\$816.03	\$816.03	\$816.03	10.70%
Water Management Planning Sub-charge [4.13]	0.00	0.00	0.00	\$0.20	\$0.20	\$0.20	-100.00%
Watershed Planning/Restoration Sub-charge [4.14]	35.96	35.96	35.96	\$32.70	\$32.70	\$32.70	9.94%
Recycled Water & Local Supply Sub-charge [4.15]	0.00	0.00	0.00	\$0.50	\$0.50	\$0.50	-100.00%
Water Conservation Sub-charge [4.16]	54.08	54.08	54.08	\$47.50	\$47.50	\$47.50	13.85%
O&M Charge	993.34	993.34	993.34	\$896.93	\$896.93	\$896.93	10.75%
Storage and Common Bond & Loan Charges	168.75	168.75	168.75	\$153.11	\$153.11	\$153.11	10.22%
Sonoma Aqueduct Bond Charge			151.68			\$131.87	15.0%
PRIME CONTRACTORS	\$1,162.09	\$1,162.09	\$1,313.77	\$1,050.04	\$1,050.04	\$1,181.90	10.67%
Capital Charges - to build fund balance for future projects	11.00	0.00	34.90	\$11.00	\$12.00	\$38.00	0%
PRIME CONTRACTORS	11.00	0.00	34.90	\$11.00	\$12.00	\$38.00	0%
TOTAL PRIME CONTRACTORS	\$1,173.09	\$1,162.09	\$1,348.67	\$1,061.04	\$1,062.04	\$1,219.90	10.56%
Increase from Fiscal Year 2022/2023	10.56%	9.42%	10.56%	9.73%	9.83%	10.18%	
With No Capital Charge	9.52%	9.42%	7.69%				

Deliveries:

	12-month	36-month
FY14-15		46,000
FY15-16	50,590	
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	

Fiscal Year 2023/2024

Prime Contractor Rates Summary

CHARGE PER ACRE FOOT:

Petaluma AQ

	NMWD	NMWD	Percent Change
	FY23-24	FY22-23	
O&M Charge [4.2]	903.30	\$816.03	10.70%
Water Management Planning Sub-charge [4.13]	0.00	\$0.20	-100.00%
Watershed Planning/Restoration Sub-charge [4.14]	35.96	\$32.70	9.94%
Recycled Water & Local Supply Sub-charge [4.15]	0.00	\$0.50	-100.00%
Water Conservation Sub-charge [4.16]	54.08	\$47.50	13.85%
O&M Charge	993.34	\$896.93	10.75%
North Marin Bond & Loan Charge [4.9]	93.16	\$75.61	23.21%
Russian River Conservation Charge [4.18 (a)]	137.33	\$115.36	19.04%
Russian River Projects Charge [4.18 (b)]	15.79	\$13.92	13.41%
<u>TOTAL NMWD</u>	<u>\$1,239.62</u>	<u>\$1,101.82</u>	<u>12.51%</u>

	Rates	Rate Increase
Town of Windsor	\$1,173.09	10.56%
Town of Windsor (Diverted Water)	\$90.03	11.28%
NMWD	1,239.62	12.51%
MMWD	\$1,455.25	11.25%

WATER TRANSMISSION SYSTEM
 FY23-24 WATER CHARGES PER ACRE-FOOT
 FOR PRIME CONTRACTORS

FISCAL YEAR	SANTA ROSA AQUEDUCT	% INCR. (DECR.)	PETALUMA AQUEDUCT	% INCR. (DECR.)	SONOMA AQUEDUCT	% INCR. (DECR.)
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%
2005 - 2006	412.68	2.53%	432.68	2.41%	424.53	2.44%
2004 - 2005	402.51	2.19%	422.51	2.08%	414.42	1.59%
2003 - 2004	393.89	1.65%	413.89	4.02%	407.95	5.30%
2002 - 2003	387.49	1.10%	397.90	3.61%	387.43	3.76%
2001 - 2002	383.29	15.88%	384.02	15.80%	373.38	16.41%

**WATER TRANSMISSION SYSTEM
FY23-24 REVENUE SUMMARY CHART**

WATER CUSTOMER	FY23-24 Budgeted Water Use (Acre-Feet)	FY22-23 Rate \$/Acre-Foot	FY23-24 Proposed Rate \$/Acre-Foot	Dollar Change	Percent Change
Santa Rosa Aqueduct	15,373	\$1,061.04	\$1,173.09	\$112.05	10.56%
Petaluma Aqueduct	8,034	1,062.04	1,162.09	\$100.05	9.42%
Sonoma Aqueduct	3,383	1,219.90	1,348.67	\$128.77	10.56%
North Marin Water District	5,303	1,101.82	1,239.62	\$137.81	12.51%
Marin Municipal – Fourth Off Peak	4,300	1,308.14	1,455.25	\$147.11	11.25%
Marin Municipal – Supplemental	3,639	1,308.14	1,455.25	\$147.11	11.25%
Forestville Aqueduct	342	1,061.04	1,173.09	\$112.05	10.56%
Wholesale/Municipal	889	1,463.87	1618.394	\$154.52	10.56%
Surplus	47	1,076.32	1,192.01	\$115.69	10.75%
Windsor	535	1,061.04	1,173.09	\$112.05	10.56%
TOTAL	41,847				

SONOMA COUNTY WATER AGENCY RATES FOR WATER DELIVERIES IN FY23-24

[x] ESTIMATED [] OFFICIAL

CHARGE PER ACRE FOOT:

	Santa Rosa Aqueduct	Petaluma Aqueduct	Sonoma Aqueduct
PRIME CONTRACTORS			
O&M Charge [4.2]	\$903.30	\$903.30	\$903.30
Water Management Planning Sub-charge [4.13]	\$0.00	\$0.00	\$0.00
Watershed Planning/Restoration Sub-charge [4.14]	\$35.96	\$35.96	\$35.96
Recycled Water & Local Supply Sub-charge [4.15]	\$0.00	\$0.00	\$0.00
Water Conservation Sub-charge [4.16]	\$54.08	\$54.08	\$54.08
O&M Charge	\$993.34	\$993.34	\$993.34
<u>Bond & Loan Charges - to pay for existing debt service</u>			
Storage Facilities Capital Charge [4.7]	29.14	29.14	29.14
Common Facilities Capital Charge [4.8]	139.61	139.61	139.61
Sonoma Aqueduct Facilities Capital Charges [4.6 b]			151.68
<i>Total Bond & Loan Charges</i>	\$168.75	\$168.75	\$320.43
<i>Discretionary:</i>			
<u>Aqueduct Capital Charges - to build fund balance for future projects</u>			
Aqueduct Facilities Capital Charges [4.6 e]	11.00	0.00	34.90
LRT2 - included in Recycled Water & Local Supply Sub-Charge above.			
TOTAL PRIME CONTRACTORS	\$1,173.09	\$1,162.09	\$1,348.67
Charge without LRT2 and voluntary AQ Capital Charge	\$1,162.09	\$1,162.09	\$1,313.77
OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES			
<u>(WATER CO'S & PUBLIC AGENCIES)</u>			
O&M Charge	\$993.34	\$993.34	\$993.34
Capital Charges	168.75	168.75	320.43
Aqueduct Facilities Capital Charge [4.12]	\$456.30	\$456.30	\$304.62
TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12)	\$1,618.39	\$1,618.39	\$1,618.39
<i>(120% OF HIGHEST PRIME)</i>			
FORESTVILLE			
O&M Charge [4.2] *	\$903.30		0.08
Water Management Planning Sub-charge [4.13]	-		
Watershed Planning/Restoration Sub-charge [4.14]	35.96		
Recycled Water & Local Supply Sub-charge [4.15]	-		
Water Conservation Sub-charge [4.16]	54.08		
O&M Charge	\$993.34		
<u>Bond & Loan Charges - to pay for existing debt service</u>			
Aqueduct Facilities Capital Charges [4.6]	11.00		
Storage Facilities Capital Charge [4.7]	29.14		
Common Facilities Capital Charge [4.8]	139.61		
<i>Total Capital Charges</i>	\$179.75		
TOTAL FORESTVILLE	\$1,173.09		
* Forestville Water District was exempt from Santa Rosa Aqueduct sub-charge from FY 06/07 to FY 16/17 [4.12].			
NORTH MARIN WATER DISTRICT			
O&M Charge		\$993.34	Note: N. Marin pays
North Marin Bond & Loan Charge [4.9]		93.16	bond and loan charge
Russian River Conservation Charge [4.18 (a)]		137.33	in lieu of Capital Charge.
Russian River Projects Charge [4.18 (b)]		15.79	
TOTAL NORTH MARIN WATER DISTRICT		1,239.62	
FOURTH OFF-PEAK (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$1,302.13	
Russian River Conservation Charge		137.33	
Russian River Projects Charge		15.79	
TOTAL FOURTH OFF-PEAK		\$1,455.25	
SUPPLEMENTAL (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$1,302.13	
Russian River Conservation Charge		137.33	
Russian River Projects Charge		15.79	
TOTAL SUPPLEMENTAL		\$1,455.25	
SURPLUS			
Non-Municipal / Municipal [4.11 (a)]	\$1,192.01	\$1,192.01	\$1,192.01
<i>(120% of O&M Charge)</i>			
Town of Windsor			
		\$1,173.09	
Beginning in FY22/23 all water delivered to Town of Windsor is charged at the 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)].			
	\$1,173.09		

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

FY 2023-24 BUDGET
SONOMA COUNTY WATER AGENCY
Operations and Maintenance Rate Computation

O & M REVENUE REQUIREMENT

FY23-24	ESTIMATED FISCAL YEAR EXPENDITURES	\$57,263,297
	685.02	
LESS:		
Depreciation Amortization		6,832,000
Investment Income, Interest on Pooled Cash, Charges for Services		249,895
Power Sales		100,000
PWRPA Pre-paid Expense - FY 08/09 Rate Reduction- <i>One time only</i> "Mandatory Prudent Reserve" charge		640,000
Use of Fund Balance		0
Recycled Water funds (Sub-object 7277) taken from special reserve		10,019,899
Transfers Out		0
		10,019,899
REVENUE REQUIREMENT (Net Expenditures)		\$39,421,502

O & M ACRE FOOT BASE

DELIVERIES:		41,847.2
LESS:		
Marin Municipal Surplus (Irrigation)		7,938.9
		47.3
		7,986.2
TOTAL BASE DELIVERIES		33,861.0

<u>O & M RATE COMPUTATION:</u>	
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	
= $\frac{39,421,502 - (4,300.00 \times 1112.84) - (3,638.90 \times 1112.84)}{41,847.2 - 47.3 - 7,938.9}$	
* = 903.30	

FY23-24
Proposed Water Rates

	<u>FY22-23</u>	<u>FY23-24</u>	
	(Actual)	(Proposed)	% Change
O&M Charge	816.03	903.30	10.70%
Water Management Planning Sub-Charge	0.20	0.00	-100.00%
Watershed Planning/Restoration Sub-Charge	32.70	35.96	9.94%
Recycled Water Sub-Charge	0.50	0.00	-100.00%
Water Conservation Sub-Charge	47.50	54.08	13.85%
Total O&M Charge	896.93	993.34	10.75%

Santa Rosa Aqueduct Rate

O&M Charge	896.93	993.34	10.75%
Aqueduct Facilities Capital Charges [4.6 e]	11.00	11.00	0.0%
Storage Facilities Capital Charge [4.7]	26.55	29.14	9.76%
Common Facilities Capital Charge [4.8]	126.56	139.61	10.31%
TOTAL	1061.03	1173.09	10.56%

Petaluma Aqueduct Rate

O&M Charge	896.93	993.34	10.75%
Aqueduct Facilities Capital Charges [4.6 e]	12.00	0.00	-100.0%
Storage Facilities Capital Charge [4.7]	26.55	29.14	9.76%
Common Facilities Capital Charge [4.8]	126.56	139.61	10.31%
TOTAL	1062.03	1162.09	9.42%

Sonoma Aqueduct Rate

O&M Charge	896.93	993.34	10.75%
Aqueduct Facilities Capital Charges [4.6 e]	38.00	34.90	-8.2%
Storage Facilities Capital Charge [4.7]	26.55	29.14	9.76%
Common Facilities Capital Charge [4.8]	126.56	139.61	10.31%
Sonoma Aqueduct Facilities Capital Charge	131.87	151.68	15.02%
TOTAL	1219.90	1348.67	10.56%

SONOMA COUNTY WATER AGENCY
RUSSIAN RIVER CONSERVATION CHARGE COMPUTATION

FISCAL YEAR 2023-24

PROPERTY ASSESSMENT VALUES AS OF FY22-23:

<u>TAX CODE</u>	<u>ENTITY</u>	<u>SECURED</u>	<u>UNSECURED</u>	<u>TOTAL VALUE</u>
14000	Forestville Co Water District	515,933,061	2,302,623	\$518,235,684
42800	City of Cotati	1,342,132,391	29,258,828	1,371,391,219
43500	City of Petaluma	11,842,325,315	468,775,648	12,311,100,963
43800	City of Rohnert Park	6,718,411,430	166,127,188	6,884,538,618
44500	City of Santa Rosa	28,489,889,874	912,923,827	29,402,813,701
45000	City of Sonoma	3,375,490,571	92,445,286	3,467,935,857
N/A	Valley of the Moon Water District	4,215,365,914	19,985,195	4,235,351,109
	TOTAL	\$56,499,548,556	\$1,691,818,595	\$58,191,367,151

Notes:

- 1 Total value of secured and unsecured property in service areas of Prime Water Contractors of Sonoma County (see above) \$58,191,367,151
- 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 \$4,073,396
- 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. 29,660.34
- 5 Total Russian River Conservation Charge per Acre Foot (Line 3 / Line 4) \$137.33

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

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

		DELIVERING AQUEDUCT				Monthly Total
		Santa Rosa	Petaluma	Forestville	Sonoma	
36	Jan-20	1,029.5	1,198.3	18.9	168.7	2,415.4
35	Feb-20	1,100.9	1,411.3	20.3	170.5	2,702.9
34	Mar-20	1,258.5	1,644.6	22.2	268.9	3,194.3
33	Apr-20	1,483.7	1,749.8	27.9	289.9	3,551.3
32	May-20	1,532.6	1,713.9	30.7	356.7	3,633.9
31	Jun-20	1,700.7	2,162.3	42.3	471.0	4,376.3
30	Jul-20	2,458.9	2,844.2	55.9	631.6	5,990.6
29	Aug-20	1,889.6	2,304.7	47.2	532.0	4,773.5
28	Sep-20	1,656.9	2,133.9	42.0	444.3	4,277.1
27	Oct-20	2,108.6	2,653.4	52.5	522.1	5,336.7
26	Nov-20	1,318.5	2,013.1	31.8	360.4	3,723.7
25	Dec-20	1,329.1	2,126.5	27.3	289.9	3,772.8
24	Jan-21	1,341.2	2,161.8	25.8	251.8	3,780.6
23	Feb-21	1,137.9	1,750.8	20.3	176.2	3,085.1
22	Mar-21	1,066.4	2,050.6	21.7	170.9	3,309.6
21	Apr-21	1,617.8	3,025.1	36.1	373.9	5,052.9
20	May-21	1,402.9	2,533.3	40.4	388.6	4,365.2
19	Jun-21	1,450.2	2,468.5	40.2	421.5	4,380.3
18	Jul-21	1,863.3	2,297.6	51.0	466.7	4,678.6
17	Aug-21	1,507.9	1,705.1	39.5	315.6	3,568.1
16	Sep-21	1,455.3	1,654.3	36.8	298.1	3,444.4
15	Oct-21	1,514.3	1,842.1	36.7	306.9	3,700.0
14	Nov-21	968.6	1,552.0	17.4	215.8	2,753.9
13	Dec-21	1,228.0	2,149.4	23.5	268.1	3,669.0
12	Jan-22	1073.2	1423.2	18.6	205.2	2,720.2
11	Feb-22	1041.5	1861.2	20.0	195.4	3,118.1
10	Mar-22	1227.5	2175.2	26.0	237.7	3,666.4
9	Apr-22	1233.9	2107.2	24.0	250.7	3,615.8
8	May-22	1649.3	2923.1	33.1	378.7	4,984.0
7	Jun-22	1448.3	2456.3	33.3	380.6	4,318.5
6	Jul-22	1415.9	1538.8	34.9	358.4	3,348.0
5	Aug-22	1752.9	1762.2	44.6	382.9	3,942.7
4	Sep-22	1459.2	1453.6	35.2	277.2	3,225.2
3	Oct-22	1430.9	1549.8	30.9	274.3	3,285.8
2	Nov-22	1132.2	1427.5	23.3	231.8	2,814.8
1	Dec-22	1091.1	1487.9	18.5	210.2	2,807.7
Total Deliveries		51,377.2	71,312.4	1,150.5	11,543.2	135,383.3
3-Year Annual Average		17,125.7	23,770.8	383.5	3,847.7	45,127.8
Past 12 Months		15,955.9	22,165.9	342.3	3,383.1	41,847.2
Total Deliveries		51,377.2	71,312.4	1,150.5	11,543.2	135,383.3
Less: North Marin			19,419.5			19,419.5
Marin Municipal			22,202.3			22,202.3
Sonoma Co. Deliveries		51,377.2	29,690.5	1,150.5	11,543.2	93,761.4
3-Year Annual Average		17,125.7	9,896.8	383.5	3,847.7	31,253.8

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-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	TOTAL	**** DELIVERING AQUEDUCT ****			
														Santa Rosa	Petaluma	Sonoma	TOTAL
PRIMES																	
1	1,022.7	986.2	1,156.1	1,151.7	1,572.7	1,362.7	1,338.2	1,680.4	1,381.4	1,376.6	1,094.2	1,056.4	15,179.2	DELIVERED TO:			
2	438.7	425.7	491.6	474.3	669.4	574.4	520.1	645.1	598.6	510.2	464.8	398.5	6,211.3	CITY OF SANTA ROSA (A)			
2	363.1	364.1	399.9	422.6	806.6	410.6	483.0	548.7	446.9	422.0	329.8	306.0	5,303.2	Jan 2022 861.9 0.0 160.8 1,022.7			
2	204.9	177.5	227.9	201.7	244.7	189.7	145.1	143.1	104.2	157.5	138.0	114.6	2,048.9	Feb 2022 801.0 0.0 185.2 986.2			
2	24.9	24.0	28.2	30.6	45.4	53.5	50.4	57.9	52.7	58.0	29.1	25.5	480.3	Mar 2022 943.5 0.0 212.7 1,156.1			
1	35.4	35.5	57.4	66.0	52.7	48.9	48.5	49.8	49.9	39.7	26.1	25.6	535.5	Apr 2022 936.2 0.0 215.4 1,151.7			
4	92.9	112.6	131.0	130.7	181.3	191.2	173.6	160.1	103.7	102.1	114.1	95.1	1,588.4	May 2022 1,294.1 0.0 278.6 1,572.7			
4	99.7	73.2	96.5	108.5	171.3	171.8	166.3	201.0	162.0	160.4	107.0	107.1	1,624.8	Jun 2022 1,112.6 0.0 250.2 1,362.7			
	2,282.3	2,198.8	2,588.7	2,586.1	3,744.1	3,002.8	2,925.2	3,485.9	2,899.3	2,826.4	2,303.1	2,128.9	32,971.5	Jul 2022 1,090.9 0.0 247.3 1,338.2			
														Aug 2022 1,375.6 0.0 304.8 1,680.4			
														Sep 2022 1,126.5 0.0 254.9 1,381.4			
														Oct 2022 1,154.3 0.0 222.3 1,376.6			
														Nov 2022 899.1 0.0 195.1 1,094.2			
														Dec 2022 879.0 0.0 177.4 1,056.4			
														TOTAL SANTA ROSA 12,474.7 0.0 2,704.5 15,179.2			
OTHER AGENCY CUSTOMERS																	
1	14.3	18.9	12.9	15.7	23.3	35.5	22.0	19.4	27.2	13.9	11.3	8.5	222.8	OTHER PRIME CONTRACTORS (B)			
2	10.7	10.4	12.4	12.5	18.7	20.7	20.7	22.9	16.9	16.4	11.6	9.5	183.4	CITY OF PETALUMA 0.0 6,211.3 6,211.3			
4	3.4	2.7	3.6	3.1	6.9	7.0	9.0	10.7	3.7	4.5	2.6	1.7	58.9	NORTH MARIN WATER DISTRICT 5,303.2 5,303.2			
4	0.6	0.6	0.7	0.7	1.0	0.7	0.7	1.0	0.8	0.9	0.8	0.8	9.3	CITY OF ROHNERT PARK 37.2 2,011.6 2,048.9			
3	18.6	20.0	26.0	24.0	33.1	33.3	34.9	44.6	35.2	30.9	23.3	18.5	342.3	CITY OF COTATI 3.6 476.7 480.3			
1	0.7	0.9	1.0	0.5	0.6	1.2	0.8	0.4	0.7	0.7	0.6	0.6	8.8	TOWN OF WINDSOR 535.5 535.5			
1	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	CITY OF SONOMA 1,588.4 1,588.4			
4	6.7	5.1	4.4	5.4	6.9	5.1	4.9	6.0	4.9	4.8	5.5	4.2	64.0	VALLEY OF THE MOON DISTRICT 1,624.8 1,624.8			
	55.0	58.5	61.0	62.1	90.6	103.4	93.0	104.9	89.3	72.0	55.7	43.8	889.4	TOTAL OTHER PRIME CONTRACTORS 576.3 14,002.8 3,213.2 17,792.3			
OFF-PEAK CUSTOMERS																	
2	380.8	859.6	1,015.2	965.5	1,138.1	1,207.4	319.5	344.6	234.5	385.8	454.2	633.7	7,938.9	TOTAL DELIVERIES TO PRIMES 13,051.0 14,002.8 5,917.7 32,971.5			
SURPLUS CUSTOMERS																	
1	0.0	0.0	0.0	0.0	0.0	0.0	6.4	3.1	0.0	0.0	0.0	0.0	9.5	LESS: NORTH MARIN (5,303.2) (5,303.2)			
2	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	TOTAL SONOMA COUNTY DELIVERIES 13,051.0 8,699.6 5,917.7 27,668.3			
4	2.0	1.2	1.5	2.2	11.3	4.8	3.9	4.2	2.1	1.6	1.8	1.2	37.8				
	2.0	1.2	1.5	2.2	11.3	4.8	10.3	7.3	2.1	1.6	1.8	1.2	47.3				
	2,720.2	3,118.1	3,666.4	3,615.8	4,984.0	4,318.5	3,348.0	3,942.7	3,225.2	3,285.8	2,814.8	2,807.7	41,847.2				

FY 2023-24 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
<u>WATER SALES - O&M</u>			
1 PRIMES without Subcharges	32,971.5	903.30	29,783,323
2 OTHER AGENCY CUSTOMERS	889.4	1,528.36	1,359,372
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	1,112.84	4,785,227
4 MARIN MUNICIPAL (SUPPLEMENTAL)	3,638.9	1,112.84	4,049,523
5 SURPLUS CUSTOMERS	47.3	1,101.97	52,144
TOTAL WATER SALES - O&M	41,847.2	N/A	\$40,029,589

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

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - Sub-charges</u>			
1a Water Management Planning Sub-charge [4.13]	41,847.2	0.00	0
1b Watershed Planning/Restoration Sub-charge [4.14]	41,847.2	35.96	1,504,670
1c Recycled Water & Local Supply Sub-charge [4.15]	41,847.2	0.00	0
1d Water Conservation Sub-charge [4.16]	41,847.2	54.08	2,263,032
TOTAL WATER SALES - Subcharges	41,847.2	N/A	\$3,767,702

FY 2023-24 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
<u>WATER SALES - O&M</u>			
1 SANTA ROSA AQUEDUCT	15,955.9	903.30	14,413,004

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - Sub-charges</u>			
1a Water Management Planning Sub-charge [4.13]	15,955.9	0.00	0
1b Watershed Planning/Restoration Sub-charge [4.14]	15,955.9	35.96	573,714
1c Recycled Water & Local Supply Sub-charge [4.15]	15,955.9	0.00	0
1d Water Conservation Sub-charge [4.16]	15,955.9	54.08	862,869
TOTAL WATER SALES - Subcharges	15,955.9	N/A	\$1,436,583

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	15,955.9	11.00	175,515
<u>BOND AND LOAN CAPITAL CHARGES</u>			
Storage Facilities Capital Charge [4.7]	15,955.9	29.14	464,977
Common Facilities Capital Charge [4.8]	15,955.9	139.61	2,227,580
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	15,955.9	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	15,955.9	N/A	\$2,868,072

TOTAL ESTIMATED REVENUE

\$18,717,659

FY 2023-24 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
<u>WATER SALES - O&M</u>			
1 PETALUMA AQUEDUCT	22,165.9	903.30	20,022,561

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>WATER SALES - Sub-charges</u>			
1a Water Management Planning Sub-charge [4.13]	22,165.9	0.00	0
1b Watershed Planning/Restoration Sub-charge [4.14]	22,165.9	35.96	797,004
1c Recycled Water & Local Supply Sub-charge [4.15]	22,165.9	0.00	0
1d Water Conservation Sub-charge [4.16]	22,165.9	54.08	1,198,699
TOTAL WATER SALES - Subcharges	22,165.9	N/A	\$1,995,703

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	22,165.9	0.00	0
<u>BOND AND LOAN CAPITAL CHARGES</u>			
Storage Facilities Capital Charge [4.7]	22,165.9	29.14	645,946
Common Facilities Capital Charge [4.8]	22,165.9	139.61	3,094,556
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	22,165.9	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	22,165.9	N/A	\$3,740,502

TOTAL ESTIMATED REVENUE

\$25,758,766

FY 2023-24 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
WATER SALES - O&M			
1 SONOMA AQUEDUCT	3,383.1	903.30	3,055,999

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - Sub-charges			
1a Water Management Planning Sub-charge [4.13]	3,383.1	0.00	0
1b Watershed Planning/Restoration Sub-charge [4.14]	3,383.1	35.96	121,645
1c Recycled Water & Local Supply Sub-charge [4.15]	3,383.1	0.00	0
1d Water Conservation Sub-charge [4.16]	3,383.1	54.08	182,955
TOTAL WATER SALES - Subcharges	3,383.1	N/A	\$304,600

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
CAPITAL CHARGES			
Aqueduct Facilities Capital Charges [4.6 e]	3,383.1	34.90	118,071
BOND AND LOAN CAPITAL CHARGES			
Storage Facilities Capital Charge [4.7]	3,383.1	29.14	98,589
Common Facilities Capital Charge [4.8]	3,383.1	139.61	472,315
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	3,383.1	151.68	513,148
TOTAL WATER SALES - Capital & Bond and Loan Charges	3,383.1	N/A	\$1,202,123

TOTAL ESTIMATED REVENUE

\$4,562,722

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205 33040100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	16,027,234	21,483,922		10,327,462		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	149,403	250,000	36,000	249,895	213,895	594.15%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(866,252)	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
SUBTOTAL	(716,848)	250,000	36,000	249,895	213,895	594.15%

INTERGOVERNMENTAL REVENUES

42282 State CalOES Disaster Funding	(2,038)	0	0	0	0	N/A
42284 State Cal OES Admin Allowance	0	0	0	0	0	N/A
42358 State Other Funding	8,979	0	0	0	0	N/A
42441 Federal FEMA Disaster Funding	(8,150)	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
SUBTOTAL	(1,209)	0	0	0	0	N/A

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	22,896	20,000	0	20,000	20,000	N/A
45301 Charges for Services	65,858	15,000	0	0	0	N/A
45314 Sale - Power	0	100,000	100,000	100,000	0	0.00%
45315 Sale - Water, Wholesale	32,494,227	35,287,622	39,208,469	40,029,589	821,120	2.09%
45316 Water Conservation	2,110,478	1,955,739	2,173,043	2,263,032	89,989	4.14%
45323 Common Fac Rev Bond Chg	2,886,446	4,128,123	4,128,123	3,986,916	(141,207)	(3.42%)
45324 Storage Fac Rev Bond Chg	721,507	866,050	866,050	832,214	(33,837)	(3.91%)
45325 Sonoma Aqueduct Rev Bond Chg	440,457	532,320	532,320	513,148	(19,172)	(3.60%)
45327 Santa Rosa Aqueduct Cap Chg	417,654	279,159	279,159	298,319	19,161	6.86%
45328 Petaluma Aqueduct Cap Chg	296,424	155,228	155,228	0	(155,228)	(100.00%)
45329 Sonoma Aqueduct Cap Chg	174,320	145,727	145,727	127,572	(18,155)	(12.46%)
45330 North Marin Rev Bond Chg	386,739	488,069	488,069	494,028	5,960	1.22%
45331 Water Mgmt Plan/Restore Chg	1,535	8,100	9,000	0	(9,000)	(100.00%)
45332 Watershed Plan/Restore Chg	6,265,024	1,346,553	1,496,170	1,504,670	8,500	0.57%
45333 Recycled Water & Local Supply	45,603	20,700	23,000	0	(23,000)	(100.00%)
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
SUBTOTAL	46,329,166	45,348,390	49,604,358	50,169,488	565,131	1.14%

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
Miscellaneous Revenues						
46027 Insurance Claims Reimbursement	2,891	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	10,380	0	0	0	0	N/A
46041 Discounts Earned	94	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	9	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	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	13,374	0	0	0	0	N/A
OTHER FINANCING SOURCES						
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
TOTAL REVENUES	45,624,483	45,598,390	49,640,358	50,419,384	779,026	1.57%

EXPENDITURES

SERVICES AND SUPPLIES

51021 Communications Expense	0	0	0	0	0	N/A
51031 Waste Disposal Services	0	0	0	0	0	N/A
51032 Janitorial Services	6,552	7,100	6,600	7,000	400	6.06%
51041 Insurance - Liability	0	0	0	0	0	N/A
51061 Maintenance - Equipment	766,433	3,000,000	3,286,389	2,875,200	(411,189)	(12.51%)
51071 Maintenance - Bldg & Improve	0	0	0	0	0	N/A
51072 Landscaping Services	0	10,000	25,000	0	(25,000)	(100.00%)
51077 Maint-Infrastructure	0	0	0	0	0	N/A
51083 VSP Premiums	0	50	50	0	(50)	(100.00%)
51205 Advertising/Marketing Svc	4,564	8,000	4,000	6,000	2,000	50.00%
51209 Information Tech Svc (non ISD)	150	260	260	260	0	0.00%
51211 Legal Services	67,489	24,000	20,000	28,000	8,000	40.00%
51212 Outside Counsel - Legal Advice	5,738	2,000	2,000	2,000	0	0.00%
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51221 Medical/Laboratory Services	0	20,000	0	0	0	N/A
51226 Consulting Services	0	17,000	0	0	0	N/A
51230 Security Services	1,677	2,000	1,500	3,000	1,500	100.00%
51231 Testing/Analysis	136,150	240,000	150,000	200,000	50,000	33.33%
51241 Outside Printing and Binding	1,038	500	500	500	0	0.00%
51242 Bank Charges	125	50	50	50	0	0.00%
51244 Permits/License/Fees	79,784	80,000	90,000	90,000	0	0.00%
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	282,181	600,000	500,000	400,000	(100,000)	(20.00%)
51402 Rents and Leases - Heavy Eq	281,062	220,000	5,000	200,000	195,000	3900.00%
51421 Rents and Leases - Bldg/Land	0	0	0	0	0	N/A
51601 Training Services	163,247	15,000	15,000	15,000	0	0.00%

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205 33040100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
51602 Business Travel/Mileage	1,097	5,000	10,000	6,000	(4,000)	(40.00%)
51605 Private Car Expense	1,886	1,000	1,000	750	(250)	(25.00%)
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	1,807,038	19,491,888	11,559,826	11,049,855	(509,971)	(4.41%)
51902 Telecommunication Usage	54,150	75,000	75,000	75,000	0	0.00%
51911 Mail Services	65	150	150	150	0	0.00%
51917 District Operations Chgs	16,732,705	17,647,134	17,491,944	18,377,036	885,092	5.06%
51921 Equipment Usage Charges	849,966	850,000	925,000	900,000	(25,000)	(2.70%)
52021 Clothing, Uniforms, Personal	5,770	4,000	5,000	5,000	0	0.00%
52031 Food	0	700	700	500	(200)	(28.57%)
52041 Household Supplies Expense	0	100	100	0	(100)	(100.00%)
52042 Janitorial Supplies	0	0	0	0	0	N/A
52043 Safety Supplies/Equipment	0	2,500	0	0	0	N/A
52061 Fuel/Gas/Oil	48,235	110,000	50,000	75,000	25,000	50.00%
52071 Materials and Supplies Expense	23,728	35,000	35,000	35,000	0	0.00%
52072 Chemicals	588,190	800,000	700,000	775,000	75,000	10.71%
52081 Medical/Laboratory Supplies	42,159	25,000	20,000	25,000	5,000	25.00%
52091 Memberships/Certifications	41,221	45,000	37,500	40,000	2,500	6.67%
52101 Other Supplies	96	150	0	0	0	N/A
52111 Office Supplies	4,005	2,500	5,000	5,000	0	0.00%
52114 Freight/Postage	2,192	1,000	1,000	1,000	0	0.00%
52115 Books/Media/Subscriptions	262	500	500	500	0	0.00%
52117 Mail and Postage Supplies	76	2,500	1,500	1,500	0	0.00%
52141 Minor Equipment/Small Tools	125,195	300,000	100,000	150,000	50,000	50.00%
52142 Computer Equipment/Accessories	0	10,000	10,000	1,000	(9,000)	(90.00%)
52143 Computer Software/Licensing Fees	26,151	40,000	40,000	30,000	(10,000)	(25.00%)
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
52191 Utilities	2,142	4,000	500	2,000	1,500	300.00%
52193 Utilities - Electric	4,466,958	4,500,000	3,500,000	4,250,000	750,000	21.43%
SUBTOTAL	26,619,475	48,199,082	38,676,069	39,632,301	956,232	2.47%
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
53401 Amortization Expense	3,433	54,000	54,000	54,000	0	0.00%
53402 Depreciation Expense	6,638,630	8,023,000	8,023,000	6,778,000	(1,245,000)	(15.52%)
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	0	0	745,396	745,396	N/A
53610 Other Charges	0	0	0	0	0	N/A
SUBTOTAL	6,642,063	8,077,000	8,077,000	7,577,396	(499,604)	(6.19%)
FIXED ASSETS						
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	4,157	0	0	0	0	N/A
19840 Work in Progress - Eq	0	0	0	0	0	N/A
19841 Work in Progress - Intang	0	30,000	30,000	33,700	3,700	12.33%
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	4,157	30,000	30,000	33,700	3,700	12.33%

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	14,158,394	10,025,768	10,295,889	10,019,899	(275,990)	(2.68%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	14,158,394	10,025,768	10,295,889	10,019,899	(275,990)	(2.68%)
<u>APPROP. FOR CONTINGENCIES</u>						
55011 Appropriation for Contingency	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>REMIBURSEMENTS</u>						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>ADMIN. CONTROL ACCOUNT</u>						
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
TOTAL EXPENDITURES	47,424,088	66,331,849	57,078,958	57,263,297	184,339	0.32%
Adjustments to Reserves/Encumbrances:						
Depreciation	6,642,063	8,077,000		6,832,000		
Donated Asset (Caltrans)	0					
Outstanding Encumbrances - Net Change	(100,940)	0				
Capitalized Interest	0					
Gain/Loss on disposal of fixed assets	0					
Unrealized Gain/ Loss (GASB 31)	866,252					
Change in Prepaid Expense	5,313					
Change in Prudent Reserve		1,500,000				
Post audit adjustments - Payables	(156,395)					
Use of Fund Balance				(640,000)		
Rounding	0					
ENDING FUND BALANCE	21,483,922	10,327,462		9,675,550		
Operations and Maintenance 44205 Fund Balance Reserve Goal				9,916,500		
Over/(Under) Goal				(240,951)		

Water Transmission System Agency Fund
Major Services & Supplies Expenditure Items

Fund/Department No:

44205	33040100
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	Actual FY21-22	Adopted FY22-23	Requested FY23-24	Difference	Percent Change
<u>51061 Maintenance - Equipment</u>	766,433	3,286,389	2,875,200	(411,189)	-12.5%
Decrease attributable to lower budgeted expenses and \$380,000 in deferrals.					
<u>51211 Legal Services</u>	67,489	20,000	28,000	8,000	40.0%
Reflects five year average expenditures.					
<u>51231 Testing/Analysis</u>	136,150	150,000	200,000	50,000	33.3%
Increase associated with expanded sampling and analysis tied to the Santa Rosa Plain Wells Projects as well as additional					
<u>51803 Other Contract Services</u>	1,807,038	11,559,826	11,049,855	(509,971)	-4.4%
Decrease attributable to \$1.36M in deferrals. Decrease offset by increased maintenance project costs attributable to Tank Maintenance and Tank Recoat Projects.					
<u>51917 District Operations Chgs</u>	16,732,705	17,491,944	18,377,036	885,092	5.1%
Increase is attributable to an increase in labor costs for maintenance projects (cathodic protection, tank recoating program, tank maintenance program, pump and valve replacements, electrical projects, chlorine and pH improvement projects, SCADA upgrades), studies (Regional Water Supply Resiliency, Watershed and Water Quality Seismic Mitigation Studies, Local Hazard Mitigation Plan), emergency inventory procurement, and mitigation monitoring for recently completed FEMA projects, offset by decrease in labor for deferred maintenance projects.					
<u>51921 Equipment Usage Charges</u>	849,966	925,000	900,000	(25,000)	-2.7%
Reflects five year average expenditures.					
<u>52072 Chemicals</u>	588,190	700,000	775,000	75,000	10.7%
Increase due to Santa Rosa Plain Well activation.					
<u>52141 Minor Equipment/Small Tools</u>	125,195	100,000	150,000	50,000	50.0%
Increase reflects five-year average expenditures.					
<u>52193 Utilities - Electric</u>	4,466,958	3,500,000	4,250,000	750,000	21.4%
Increase due to elevated energy production and transmission costs caused by drought, geopolitical events, and supply chain constraints.					

2023-24

Water Transmission System Agency Fund

51061 Maintenance - Equipment		AMOUNT	DEFERRED AMOUNT
1	Backflow Maintenance	50,000	380,000
2	Collector 1 MOV Maintenance	124,900	
3	Electrical Supplies and Maintenance Services	400,000	
4	Emergency Inventory Procurement	340,000	
5	Groundwater Monitoring Instruments	49,300	
6	Kisters Annual License Fee	20,000	
7	Mirabel Pump 10 Replacement	523,000	
8	Pump and Pipeline Supplies and Maintenance Services	240,000	
9	RDS Dam Fill Pipeline Maintenance	150,000	
10	Safety Program - Self Contained Breathing Apparatus Replacem	62,000	
11	Santa Rosa Plain Well Monitoring Program (SW Wells)	25,000	
12	Valve Replacement Program	250,000	
13	Wohler/Mirabel CL2 Detector OSHA	77,000	
14	Wohler Pump 4 Replacement	404,000	
15	WT Monitoring Well Pressure Transducers	20,000	
		\$ 2,875,200	\$ 380,000

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51803 Other Contract Services		AMOUNT	DEFERRED AMOUNT
1	As-Needed Dive Services	-	60,000
2	As-Needed Electrical Design Services	150,000	
3	As-Needed Planning Studies	-	150,000
4	As-Needed O&M Engineering Services	50,000	25,000
5	Asset Management	100,000	
6	Caisson 6 Valve and Vault Replacement	220,000	
7	Cathodic Protection - Maintenance	100,000	
8	Cathodic Protection - Site Assesment and Design Support	100,000	
9	Cathodic Protection - SR/Cotati	277,150	
10	Hazardous Materials Management	50,000	
11	Hearn Ave Electrical Project	200,000	550,000
12	Sleepy Mountain Lease Agreement	20,000	
13	Tank Maintenance Program	1,398,330	
14	Tank Recoating Program	7,463,875	
15	TPW Pavement Preservation Program	25,000	
16	Transmission System Condition Assessments	100,000	100,000
17	Water Transmission System Transient Analysis	150,000	
18	Regional Water Emergency Prep Program Development	-	150,000
	<i>Advocacy</i>		
19	Community Outreach Program	40,000	
	<i>Integrated Water Management Plan</i>		
20	Bay Area	5,500	
21	North Coast	35,000	
22	Legislative Advocacy - Federal	95,000	
23	Legislative Advocacy - State	50,000	
24	North Bay Water Regional Outreach Coordination	25,000	
	<i>Studies</i>		
25	DeMuth Property Hydrogeologic Investigation	150,000	200,000
26	Groundwater Banking Feasibility - Pilot Studies	50,000	
27	Hydrography Study	20,000	
28	Regional Water Supply Resiliency Study	75,000	25,000
29	Transmission System Monitoring Master Plan	-	100,000
30	Transmission System Modeling & Assessment Program	50,000	
31	Wohler/Mirabel Groundwater Model Update and Supporting Stud	50,000	
		<u>\$ 11,049,855</u>	<u>\$ 1,360,000</u>

53501 Contributions		AMOUNT	DEFERRED AMOUNT
1	SCADA Improvements	745,396	
		<u>\$ 745,396</u>	<u>\$ -</u>

Labor associated with deferred projects \$ 699,200
Total amount of work deferred \$ 2,439,200

51803 Other Contract Services & 53501 Contributions Project Information

FY23-24

Asset Management

100,000

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, identifying business improvement opportunities for data integration and management, and establishing an enterprise-wide AMP Statement of commitments. To date the AMP has delivered: Asset Management Framework Tech Memo; State of the Assets Tech Memo; Asset Management Implementation Plan (AMIP) Report; and Asset Management Program Statement of Commitments. In FY21-22, Phase 2 will include a Mirabel Production Facility asset inventory, condition assessment, and updating the Asset Management Implementation Plan. In FY22-23, continue to conduct assessments of the water system and wastewater facilities; implement a new CMMS software; develop a program for inspection the aqueduct. In FY 23/24, 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.

Caisson 6 Valve and Vault Replacement

220,000

The Collector 6 valve vault project will install a new vault around two existing shutoff valves located along the 20" and 24" discharge pipes at Collector 6. The new vault is required to facilitate needed repairs and maintenance on the valves.

Cathodic Protection - SR/Cotati

277,150

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. FY 22-23 funding will be used to continue advancing design of Phase 1, and to initiate design of Phase 2. In FY23-24, Sonoma Water plans on advertising and completing construction of Phase 1, and also advancing necessary right-of-way to continue design development of Phase 2.

Hearn Ave Electrical Project

200,000

Repair/update Electrical Feed and communication lines to the equipment on the south side of Hearn Ave. This includes power and instrumentation communications to the Cathodic rectifier, AQ flowmeter and pressure transducer. Directional boring for new conduits, new wire, communication cabling, and verification. In FY23-24, repairs will be made to the conduit, new wires will be pulled, and the system will be tested.

SCADA Improvements

745,396

SCADA software and hardware: The scope of the project is to upgrade SCADA workstations and software to current supported versions. Other objectives include upgrades to field components such as Programmable Logic Controllers (PLCs) and Remote Telemetry devices.

SCADA Upgrade: The scope of this project is to reassess and revamp programming standards to accommodate current technologies as well as implement these new standards to streamline maintenance and operations. During FY21/22, we were able to complete much of the background work necessary to upgrade our SCADA system. This includes documenting the logic embedded in our existing SCADA system interface, duplicating that logic into a new PLC, and creating new interface graphics. In FY22/23, we have begun testing live, side-by-side testing of the new system and will be completing reporting requirements. In FY23/24, we will be cutting over to the new system and undertaking undertaking additional system improvements including optimizing system performance and hardware replacements and upgrades.

Tank Maintenance Program

1,398,330

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 23/24 Enhanced Washout Cleaning and Inspections will be conducted on 4 tanks, and Visual Inspections will be conducted on 11 tanks. The remaining 3 tanks are actively under design to be re-coated.

Tank Recoating Program

7,463,875

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 21-22 Sonoma Water began developing plans for the recoating of the Kastania and Cotati No.1 tanks. FY 22-23 funding will be used to begin construction at the Kastania and Cotati No. 1 tanks and to initiate design of the Cotati No. 3 tank recoating project. Work in FY 22-23 at Kastania and Cotati No. 1 will include interior and exterior coating removal and replacement, structural repairs to corroded roof rafters, and other ancillary repairs. Planned work for FY23-24 includes beginning construction on Cotati No. 3 tank recoating and beginning design of Ralphine No. 3 and Sonoma No. 2 tank recoating projects.

Transmission System Condition Assessments

100,000

Prepare an assessment report that reviews the water system pipeline infrastructure to develop an approach and framework for a risk-based prioritization model to conduct inspections. The project will evaluate appropriate pipeline inspection technologies and formulate an inspection projects prioritization plan.

Water Transmission System Transient Analysis

150,000

Sonoma Water completed a comprehensive transient analysis of the water transmission system in 1999. In support of specific projects, the study was partially updated for select locations in 2003, 2007, and 2013. Utilizing a contemporary modeling platform, a new system-wide study will be prepared for the current status of the transmission system. The study will identify and recommend solutions to address current transient vulnerabilities in the water transmission system.

Minimal efforts were focused on this project in FY 21-22 given other competing priorities. FY 22-23 Sonoma Water plans on engaging a consultant to update a system-wide transient analysis. In FY23-24, Sonoma Water plans on finalizing the transient analysis and identifying CIP projects needed to address and mitigate any existing system vulnerabilities to surge and pressure transients.

Studies

DeMuth Property Hydrogeologic Investigation

150,000

The DeMuth property hydrogeologic investigation will advance feasibility evaluation of siting additional diversion facilities (i.e., a well field or additional collector well) within the DeMuth parcels adjoining the eastern bank of the Russian River, just south of Wohler Bridge. Particular focus of the study will 1) evaluate appropriate methods for investigating the hydrostratigraphy of the parcels (e.g., with drilling and/or geophysical methods), 2) leverage existing internal modeling tools to estimate well production efficiencies and potential well interference with existing collector wells, and 3) assess strategies for mitigating seismic risks to existing Wohler/Mirabel diversion facilities by siting new diversion facilities on the DeMuth parcels.

Groundwater Banking Feasibility - Pilot Studies**50,000**

In FY 22/23, Sonoma Water provided technical review and support to Valley of the Moon Water District and City of Petaluma in developing scopes of work for aquifer storage and recovery (ASR) pilot studies, performed technical review and coordination for potential groundwater banking aspects of the Regional Water Supply Resiliency Study, initiated evaluation of Sonoma Water's future ASR operations at its Sebastopol and Occidental Rd well sites (currently being upgraded for ASR operations under a DWR grant), and initiated planning and scope development for an update to the regional 2013 Groundwater Banking Feasibility Study.

Funds expected to be expended in FY 23/24 would support an update to the regional 2013 Groundwater Banking Feasibility Study to 1) update the source water (Russian River) availability and transmission system capacity assumptions; 2) update assessment of potential ASR locations/operations, including those that benefit GSP implementation; and 3) design implement pilot studies for favorable areas. It is anticipated that funding for the regional Groundwater Banking Feasibility Study would be cost shared by Sonoma Water, the three GSAs and interested Water Contractors. Funds will also be used for Sonoma Water staff to continue coordination with other entities, such as the City of Petaluma and Valley of the Moon Water District, currently planning ASR pilot studies, participants of the Regional Water Supply Resiliency Study, and staff of the San Francisco Bay and North Coast Regional Water Quality Control Boards.

Hydrography Study**20,000**

In order to better understand tributary flow dynamics on water supply and aquatic habitats, Sonoma Water hired Mike Webster as a consultant to assist with the installation and maintenance of an extensive stream gauging network of tributaries to the Russian River. Over the last fiscal year, Mike Webster has continued to capture manual stream discharge measurements at multiple gauged tributaries in order to maintain stream discharge rating curves. Mike Webster used his rating curves and stream flow measurements to develop an annual discharge computation for Feliz Creek, providing Sonoma Water with a daily streamflow summary for the tributary. Additionally, Mike continues to maintain real time stream gauging equipment, fixes and/or replaces damaged instruments and provides guidance to Sonoma Water staff in order to ensure that best practices are followed in capturing surface water streamflow.

Regional Water Supply Resiliency Study**75,000**

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. Development of a decision support tool could be used to evaluate strategies and water supply projects that would make the region more resilient to future water shortages.

Funds expended in FY 19/20 were used to develop a work plan in cooperation with Sonoma Water's Water Contractors. Funds budgeted for FY 20/21 were expended building a decision support model to evaluate the regions resiliency to drought under historical operations and with existing facilities. In cooperation with Sonoma Water's contractors, scenarios were developed and evaluated that either through operational changes or new water supply facilities could improve the regions resiliency to drought. Funds budgeted for FY 21/22 were expended using the decision support model to complete analysis of scenarios focused on drought resiliency and to begin evaluating water shortage scenarios resulting from disruptions to Sonoma Water's water supply and transmission system due to natural hazards such as seismic events, wildfires and flooding. Funds budgeted for FY 22/23 will be expended completing all modeling scenarios, completing development and evaluation of projects to improve the regions water supply reliability during periods of water supply shortages and completing a final report documenting the model and study results. Funds budgeted for FY 23/24 will be expended for ongoing support for efforts to improve the regions water supply resiliency.

Transmission System Modeling & Assessment Program**50,000**

Update and maintain water transmission system hydraulic model used to simulate water system operations and deliveries. Analyze conditions and system capabilities under operational scenarios that support operations, maintenance and design decisions. Develop system performance assessment and monitoring tools. Analyze pump operations at production and booster station facilities using system monitoring data collected by SCADA system.

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Management Planning

Fund/Department No: 44210 33041000

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	457,790	369,637		259,895		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	2,779	1,680	1,680	5,357	3,677	218.87%
44050 Unrealized Gains and Losses	(15,139)	0	0	0	0	N/A
SUBTOTAL	(12,360)	1,680	1,680	5,357	3,677	218.87%
INTERGOVERNMENTAL REVENUE						
42619 Town of Windsor	0	478	478	0	(478)	(100.00%)
SUBTOTAL	0	478	478	0	(478)	(100.00%)
CHARGES FOR SERVICES						
45301 Charges for Services	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	1,535	8,100	9,000	0	(9,000)	(100.00%)
47102 Transfers In - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	1,535	8,100	9,000	0	(9,000)	(100.00%)
TOTAL REVENUES	(10,825)	10,258	11,158	5,357	(5,801)	(51.99%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51205 Advertising Marketing	0	0	0	0	0	N/A
51211 Legal Services	353	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 Expense	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	100,669	100,000	75,000	75,000	0	0.00%
51917 District Operations Chgs	28,342	20,000	0	25,000	25,000	N/A
51921 Equipment Usage Charges	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
SUBTOTAL	129,363	120,000	75,000	100,000	25,000	33.33%
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fur	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	129,363	120,000	75,000	100,000	25,000	33.33%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	36,896	0		0		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	15,139	0		0		
Rounding	0					
ENDING FUND BALANCE	369,637	259,895		165,252		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Watershed Planning/Restoration

Fund/Department No: 44215 33041100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	12,565,071	15,629,400		3,423,809		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	91,028	14,400	14,400	45,028	30,628	212.70%
44050 Unrealized Gains and Losses	(543,724)	0	0	0	0	N/A
SUBTOTAL	(452,695)	14,400	14,400	45,028	30,628	212.70%
INTERGOVERNMENTAL REVENUE						
42461 Federal Other Funding	0	0	0	0	0	N/A
42619 Town of Windsor	323,985	79,538	79,538	87,446	7,908	9.94%
SUBTOTAL	323,985	79,538	79,538	87,446	7,908	9.94%
CHARGES FOR SERVICES						
45301 Charges for Services	0	0	0	0	0	N/A
45332 Watershed Plan/Restore Chg	53,972	100,000	40,000	40,000	0	0.00%
<i>Subtotal Charges for Service</i>	53,972	100,000	40,000	40,000	0	0.00%
MISCELLANEOUS REVENUE						
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 Warrant	6	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenu	82	0	0	0	0	N/A
SUBTOTAL	88	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	6,265,024	1,346,553	1,496,170	1,504,670	8,500	0.57%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	6,265,024	1,346,553	1,496,170	1,504,670	8,500	0.57%
TOTAL REVENUES	6,190,373	1,540,491	1,630,108	1,677,144	47,036	2.89%
EXPENDITURES						
SERVICES AND SUPPLIES						
51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	551	500	0	0	0	N/A
51205 Advertising Marketing	0	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	0	0	0	0	0	N/A
51211 Legal Services	3,793	5,000	0	0	0	N/A
51212 Legal Services - External	511	250	0	0	0	N/A
51221 Medical/Laboratory Services	0	0	0	0	0	N/A
51226 Consulting Services	0	25,000	0	0	0	N/A
51231 Testing/Analysis	102,678	140,000	0	0	0	N/A
51241 Outside Printing and Binding	0	0	0	0	0	N/A
51244 Permits/License/Fees	150	500	0	0	0	N/A
51401 Rents and Leases - Equipment	54,290	40,000	0	0	0	N/A
51402 Rents and Leases - Heavy Eq	20,620	35,000	0	0	0	N/A
51601 Training/Conference	0	0	0	0	0	N/A
51602 Business Travel/Mileage	0	0	0	0	0	N/A
51605 Private Car Expense	452	500	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	834,919	6,796,112	5,043,920	1,624,870	(3,419,050)	(67.79%)
51902 Telecommunication Usage	0	0	0	0	0	N/A
51917 District Operations Chgs	2,309,953	2,997,278	2,746,250	2,883,800	137,550	5.01%
51921 Equipment Usage Charges	54,405	50,000	0	0	0	N/A

Section Title:

Watershed Planning/Restoration

Fund/Department No:

44215

33041100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
52021 Clothing, Uniforms, Personal	2,121	1,500	0	0	0	N/A
52031 Food	0	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	78	200	0	0	0	N/A
52063 Vehicle Parts	0	0	0	0	0	N/A
52071 Materials and Supplies Expenses	5,112	1,000	0	0	0	N/A
52081 Medical/Laboratory Supplies	0	0	0	0	0	N/A
52091 Memberships/Certifications	0	0	0	0	0	N/A
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	656	0	0	0	0	N/A
52114 Freight/Postage	0	0	0	0	0	N/A
52115 Books/Media	157	1,000	0	0	0	N/A
52117 Mail and Postage Supplies	0	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	2,728	2,500	0	0	0	N/A
52142 Computer Equipment/Accessories	0	0	0	0	0	N/A
52143 Computer Software	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
SUBTOTAL	3,393,172	10,096,340	7,790,170	4,508,670	(3,281,500)	(42.12%)
OTHER CHARGES						
53104 Other Interest Expense	0	0	0	0	0	N/A
53402 Depreciation Expense	5,786	6,600	6,000	8,000	2,000	33.33%
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	5,786	6,600	6,000	8,000	2,000	0
REIMBURSEMENTS						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
FIXED ASSETS						
19840 Acq-WIP-Equipment	30,736	0	0	0	0	N/A
19841 Acq-WIP-Intangibles	1,233,049	3,649,142	1,200,000	488,000	(712,000)	
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	1,263,785	3,649,142	1,200,000	488,000	(712,000)	(1)
OTHER FINANCING USES						
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
TOTAL EXPENDITURES	4,662,743	13,752,082	8,996,170	5,004,670	(3,991,500)	(44.37%)
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	987,189	0				
Capital Interest	0	0				
Depreciation	5,786	6,000		8,000		
Change in prepaid expense	0	0				
Gain/loss on disposal of Capital Assets	0					
Unrealized Gain/ Loss (GASB 31)	543,724	0				
Audit Adjustment (A/P)	0	0				
Rounding	0	0				
ENDING FUND BALANCE	15,629,400	3,423,809		104,283		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Recycled Water and Local Supply

Fund/Department No:

44220

33041200

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	256,671	294,825		268,747		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	4,289	2,000	480	6,125	5,645	1176.03%
44050 Unrealized Gains and Losses	(26,323)	0	0	0	0	N/A
SUBTOTAL	(22,034)	2,000	480	6,125	5,645	1176.03%
INTERGOVERNMENTAL REVENUE						
42358 State Other Funding	0	0	0	0	0	N/A
42619 Town of Windsor	2,271	1,223	1,223	0	(1,223)	(100.00%)
SUBTOTAL	2,271	1,223	1,223	0	(1,223)	(100.00%)
CHARGES FOR SERVICES						
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
MISCELLANEOUS REVENUE						
46022 Capital Grants-State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	450,000	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	450,000	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	45,603	20,700	23,000	0	(23,000)	(100.00%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	45,603	20,700	23,000	0	(23,000)	(100.00%)
TOTAL REVENUES	25,873	473,923	24,703	6,125	(18,578)	(75.21%)
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	0	450,000	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	0	0	0	0	0	N/A
51921 Equipment Usage Charges	0	0	0	0	0	N/A
52031 Food	0	0	0	0	0	N/A

Section Title:

Recycled Water and Local Supply

Fund/Department No:

44220

33041200

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
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	0	450,000	0	0	0	N/A
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
53402 Depreciation Expense	5,966	6,000	6,000	6,000	0	0.00%
53501 Contributions	11,772	50,000	50,000	50,000	0	0.00%
SUBTOTAL	17,738	56,000	56,000	56,000	0	0.00%
FIXED ASSETS						
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
OTHER FINANCING USES						
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
TOTAL EXPENDITURES	17,738	506,000	56,000	56,000	0	0.00%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	0	0				
Change in Windsor Reserve	(2,271)	0				
Capital Interest	0	0		0		
Depreciation	5,966	6,000		6,000		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	26,323	0		0		
Rounding	0	0				
ENDING FUND BALANCE	294,825	268,747		224,872		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Water Conservation

Fund/Department No: 44225 33041300

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	1,748,431	1,180,750		253,867		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	9,734	6,000	3,360	3,351	(9)	(0.27%)
44050 Unrealized Gains and Losses	(46,977)	0	0	0	0	N/A
SUBTOTAL	(37,242)	6,000	3,360	3,351	(9)	(0.27%)
INTERGOVERNMENTAL REVENUE						
42358 State Other Funding	3,058	669,325	61,186	1,849,210	1,788,024	2922.28%
42461 Federal Other Funding	0	935,195	935,195	0	(935,195)	(100.00%)
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	108,532	115,521	115,521	131,519	15,998	13.85%
42621 North Marin Water District	0	0	0	0	0	N/A
SUBTOTAL	111,590	1,720,041	1,111,902	1,980,729	868,827	78.14%
Charges for Services						
45301 Charges for Services	193,038	42,000	42,000	42,000	0	0.00%
45316 Water Conservation	21,498	0	0	0	0	N/A
SUBTOTAL	214,536	42,000	42,000	42,000	0	0.00%
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	280,000	1,030,000	85,000	(945,000)	(91.75%)
46040 Miscellaneous Revenue	185,548	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	1,400	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	0	0	0	0	N/A
46204 PY Intergovmntl Rev - Other	0	0	0	0	0	N/A
46215 Other Grants	0	0	0	0	0	N/A
SUBTOTAL	186,948	280,000	1,030,000	85,000	(945,000)	(91.75%)
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	2,110,478	1,955,739	2,173,043	2,263,032	89,989	4.14%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	2,110,478	1,955,739	2,173,043	2,263,032	89,989	4.14%
TOTAL REVENUES	2,586,311	4,003,780	4,360,305	4,374,112	13,807	0.32%
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	12,334	0	0	0	0	N/A
51071 Maintenance - Bldg & Improve	5,067	0	0	0	0	N/A
51205 Advertising/Marketing Svc	208,817	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	90	0	0	0	0	N/A

Section Title:

Water Conservation

Fund/Department No:

44225

33041300

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
51211 Legal Services	3,173	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	43,526	73,500	73,500	43,000	(30,500)	(41.50%)
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	111	0	0	0	0	N/A
51601 Training Services	4,557	0	0	0	0	N/A
51602 Business Travel/Mileage	0	13,000	13,000	13,000	0	0.00%
51605 Private Car Expense	148	150	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	473,626	774,804	1,231,000	1,063,668	(167,332)	(13.59%)
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	1,967,816	1,962,238	1,962,238	2,049,000	86,762	4.42%
51921 Equipment Usage Charges	12,258	0	0	0	0	N/A
52021 Clothing, Uniforms	301	0	0	0	0	N/A
52031 Food	749	0	0	0	0	N/A
52042 Janitorial Supplies	225	0	0	0	0	N/A
52061 Fuel/Gas/Oil	0	0	0	0	0	N/A
52071 Materials and Supplies Expense	212,786	75,000	75,000	78,000	3,000	4.00%
52091 Memberships/Certifications	6,219	12,000	12,000	12,000	0	0.00%
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	454	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	520	0	0	0	0	N/A
52117 Mail and Postage Supplies	2	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	347	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	43,836	501,146	433,000	294,500	(138,500)	(31.99%)
52181 Business Meals/Supplies	0	0	0	0	0	N/A
SUBTOTAL	2,996,962	3,411,838	3,799,738	3,553,168	(246,570)	(6.49%)
OTHER CHARGES						
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	5,500	1,515,825	967,686	1,062,074	94,388	9.75%
53502 Community Grants	3,061	3,000	0	0	0	N/A
SUBTOTAL	8,561	1,518,825	967,686	1,062,074	94,388	9.75%
OTHER FINANCING USES						
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
TOTAL EXPENDITURES	3,005,523	4,930,663	4,767,424	4,615,242	(152,182)	(3.19%)
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Chang	56,410	0		0		
Change in Windsor Reserve	233,876	0		0		
Change in Prepaid Expense	0	0		0		
Unrealized Gain/ Loss (GASB 31)	46,977	0		0		
Post Audit Adjustment	(485,731)	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	1,180,750	253,867		12,737		

Water Transmission Budget

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Itemized Detail for Subfunds Consulting/Contractual Services

Budget
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Water Management Planning

<p>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 21/22, the 2020 UWMP was verified complete by DWR. Work to complete the update to the Water Shortage Allocation Methodology and Model continued, with Board adoption of the methodology in January 2022. Final minor changes to the Water Shortage Allocation Model were completed in July 2022.</p>	\$ 50,000
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Watershed Planning/Restoration

<p><u>RRIFR Decision 1610 Change Petition</u>: Russian River Flows: Continued preparation of Environmental Impact Report for Fish Habitat Flows and Water Rights Project (Fish Flow Project EIR) in preparation for Board of Directors consideration for certification. Consultant services for responses to comments on the Draft EIR, preparation of recirculated Draft EIR, and any additional impact analysis, flow modeling, and monitoring, needed. Fish Flow Project EIR. The EIR is being prepared by Sonoma Water staff, with assistance from consultants on some areas of analysis. A Draft EIR was released on August 19, 2016. In FY21/22, most of the work focused on preparing the recirculated Draft EIR. Work also includes 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 FY22/23 includes updates to modeling and project analysis, and lab analysis for water quality monitoring under the multiple TUC Orders issued in 2022. Work anticipated for FY23/24 includes work on the recirculated draft EIR as well as lab analysis for water quality monitoring related to the annual TUC.</p>	\$ 183,000
<p><u>RRIFR Estuary Management</u>: 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 FY21/22 and FY22/23 activities include installation and monitoring of downstream migrant salmonid traps and water quality monitoring stations, and flood risk feasibility studies. Work being completed in FY22/23 and includes preparation of the annual adaptive management plan, renewing regulatory permits, and continuation of monitoring and studies. Work anticipated for FY23/24 includes renewing regulatory permits and monitoring studies.</p>	\$ 430,000
<p><u>Upper Russian River Water Quality Monitoring</u>: This water quality monitoring was conducted in FY21/22 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 the ongoing drought conditions. Monitoring included the deployment of datasondes and collection of grab samples, as well as laboratory analysis. Work anticipated for FY22/23 includes the efforts described above.</p>	\$ 23,000

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Water Transmission Budget

2023-24

Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY23-24
<u>Winter Russian River Algae /WQ Monitoring</u> : This water quality monitoring was conducted for over winter water quality and algae monitoring on the mainstem Russian River to collect data on conditions during changes in watershed hydrology. Monitoring included deployment of datasondes, collection of grab samples, sampling of algae, as well as laboratory analysis. Work anticipated for FY22/23 and FY 23/24 includes the lab analysis related to water quality monitoring grab sampling efforts described above.	\$ 14,000
<u>PVP RR Water Forum</u> : This line item is for Phase 2 of the Two Basin Solution. It reflects a match contribution for the submitted DWR 2022 Urban Community Drought Relief Grant Program which will be funded by County of Sonoma, County of Mendocino, Sonoma Water, and the Water Contractors.	\$ 150,000
<u>Landscape Resiliency</u> : Build fire landscape resiliency through vegetation management at Lake Sonoma to protect source water quality in partnership with the U.S. Army Corps.	\$ 100,000
	<u>\$ 900,000</u>
<u>Recycled Water and Local Supply</u>	
Funding for Groundwater Management in FY 23/24 for Groundwater Sustainability activities.	\$ 50,000
	<u>\$ 50,000</u>
<u>Water Conservation</u>	
<u>51241-Outside Printing and Binding</u>	
WUE/Water Ed Program materials, Eco-Friendly Garden Tour materials.	\$ 43,000
<u>51602-Business Travel/Mileage</u>	
Attend local and statewide meetings representing the Partnership and Sonoma Water	\$ 13,000
<u>51803-Other Contract Services</u>	
Cotati Water Conservation Program: Funding to provide residential water assessments and other water conservation program services	\$ 8,000
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
Online Educational Content: Development of online educational content	\$ 25,000
Plant Labeling Program: Funding for nursery liaison to ensure locally appropriate plants are labeled	\$ 25,000
QWEL: Instructors to teach QWEL trainings and Database maintenance contract	\$ 68,000
Sonoma County Fair: Fair materials and hardware that are WUE focused for distribution at the Sonoma County fair	\$ 15,000
SMSWP website: Website hosting, maintenance, and development.	\$ 4,000
Spatial Analysis: Analysis for CII customers of the Partnership to provide landscape area measurements and non-functional turf data	\$ 120,000
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, regional program assistance, and validation services for contractor annual water loss audits	\$ 12,000
WaterSmart Plant Kit Program: DIY residential turf conversion program providing scalable design choices and corresponding low water use plants from local nurseries.	\$ 666,668
Water Use Efficiency Videos: How-to video series of water use efficiency best practices.	\$ 20,000
	<u>\$ 1,063,668</u>

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Water Transmission Budget

2023-24

Itemized Detail for Subfunds Consulting/Contractual Services

**Budget
FY23-24**

51917-District Operations Chgs

Salaries, benefits and overhead costs for staff assigned to projects budgeted within the Water Conservation Fund	\$ 2,049,000
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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.	\$ 78,000
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52091-Memberships/Certifications

Irrigation Association Certificate Renewals, Water Education Foundation, and California Water Efficiency Partnership, Alliance for Water Efficiency, etc.	\$ 12,000
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52171-Water Conservation Program

Outdoor Water Use Focused Programs: Qualified Water Efficient Landscaper Training in English and Spanish, Russian River Friendly Workshops, Living Learning Landscapes Demo Gardens, etc.	\$ 1,500
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Public Information/Outreach Programs: Media campaign for the Sonoma-Marin Saving Water Partnership including media ad buy, ad development, DIY toolkits	\$ 183,000
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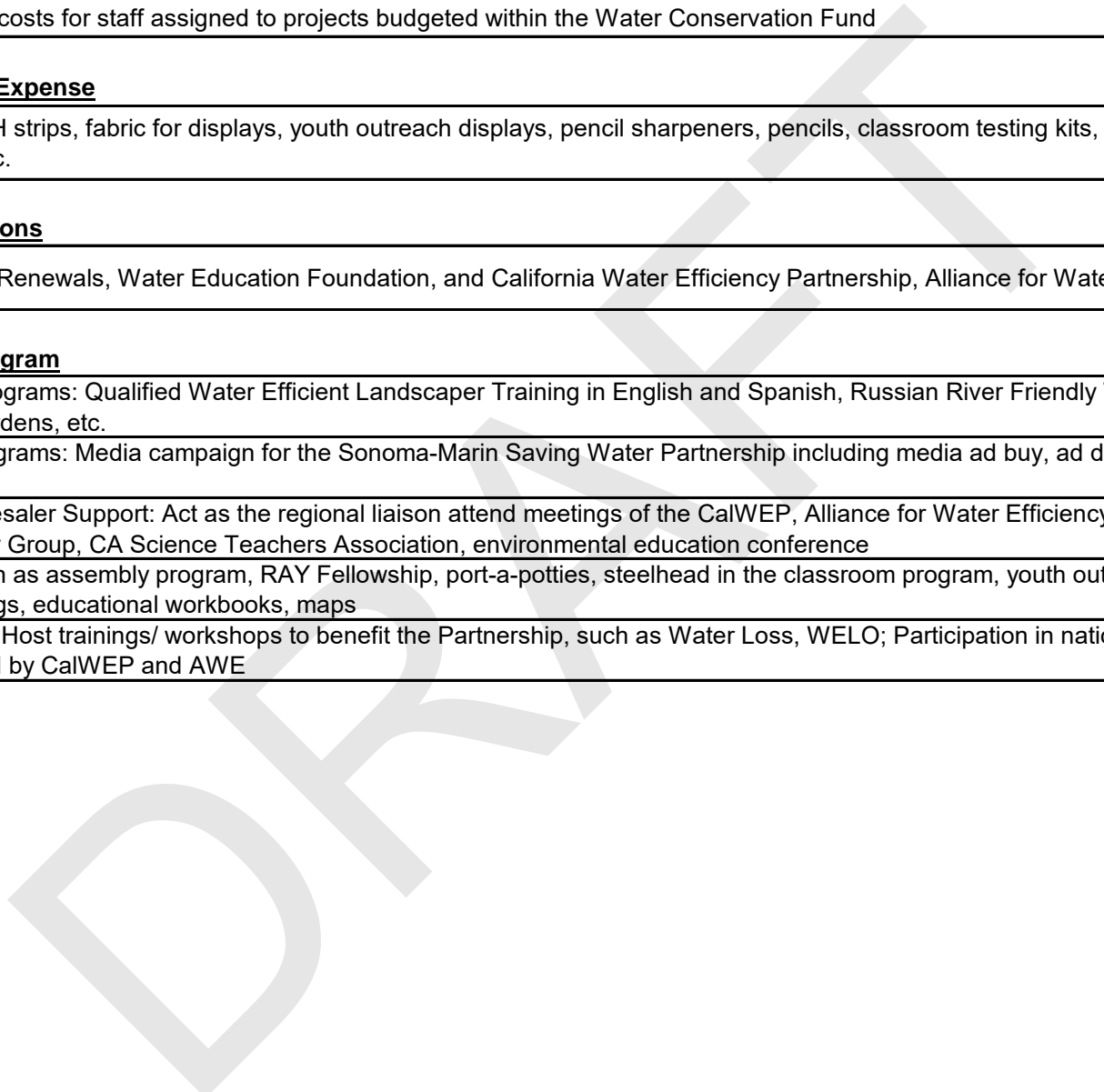
Saving Water Partnership Wholesaler Support: Act as the regional liaison attend meetings of the CalWEP, Alliance for Water Efficiency, Independent Technical Panel, Urban Advisory Group, CA Science Teachers Association, environmental education conference	\$ 20,000
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School Education Program: Such as assembly program, RAY Fellowship, port-a-potties, steelhead in the classroom program, youth outreach events, teacher program, teacher trainings, educational workbooks, maps	\$ 70,000
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Seminars, Workshops, Training: Host trainings/ workshops to benefit the Partnership, such as Water Loss, WELO; Participation in national/statewide studies such as those conducted by CalWEP and AWE	\$ 20,000
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	\$ 294,500
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Total	\$ 3,553,168
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FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Santa Rosa Aqueduct Capital Fund

Fund/Department No:

44230

33045000

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	8,399,534	9,118,684		8,475,980		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	49,731	26,400	26,400	217,372	190,972	723.38%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Los	(305,468)	0	0	0	0	N/A
SUBTOTAL	(255,737)	26,400	26,400	217,372	190,972	723.38%

MISCELLANEOUS REVENUES

46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46021 Capital Grants - Federal	43,397	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated v	0	0	0	0	0	N/A
SUBTOTAL	43,397	0	0	0	0	N/A

ADMINISTRATIVE CONTROL ACCOUNT

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

OTHER FINANCING SOURCES

47101 Transfers In - within a F	417,654	279,159	279,159	298,319	19,161	6.86%
47102 Transfers In - btw Govtl	0	0	0	0	0	N/A
SUBTOTAL	417,654	279,159	279,159	298,319	19,161	6.86%

SPECIAL ITEMS

48004 Residual Equity Transfe	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

TOTAL REVENUES	205,314	305,559	305,559	515,691	210,133	68.77%
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EXPENDITURES

OTHER CHARGES

53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	0	0	0	0		
53105 Costs of Issuance	0	0	0	0		
SUBTOTAL	0	0	0	0	0	N/A

FIXED ASSETS

19820 Machinery and Equipme	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	6,736	948,263	50,000	0	(50,000)	(100.00%)
19840 Work in Progress - Eq	0	0	0	0		

Section Title:
Fund/Department No:

Santa Rosa Aqueduct Capital Fund		
44230	33045000	

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
19841 Work in Progress - Intar	0	0	0	0		
19851 Intangible Assets - Non-	0	0	0	0		
SUBTOTAL	6,736	948,263	50,000	0	(50,000)	(100.00%)
OTHER FINANCING USES						
57011 Transfers Out - within a	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	6,736	948,263	50,000	0	(50,000)	(100.00%)
Adjustments to Reserves/Encumbrances:						
Repayment of Loan to Storage	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(15,000)	0		0		
Capitalized Interest	305,468	0		0		
Post Audit Adjustment	230,103	0		0		
Rounding	2	0		0		
ENDING FUND BALANCE	9,118,684	8,475,980		8,991,671		

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FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title: Petaluma Aqueduct Capital Fund
Fund/Department No: 44235 33045100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	8,020,746	7,843,323		6,524,167		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	45,260	33,120	33,120	127,610	94,490	285.30%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(267,243)	0	0	0	0	N/A
SUBTOTAL	(221,983)	33,120	33,120	127,610	94,490	285.30%
MISCELLANEOUS REVENUE						
46021 Capital Gains - Federal	161,430	1,990,074	0	0	0	N/A
SUBTOTAL	161,430	1,990,074	0	0	0	N/A
ADMINISTRATIVE CONTROL ACCOUNT						
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
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	296,424	155,228	155,228	0	(155,228)	(100.00%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	296,424	155,228	155,228	0	(155,228)	(100.00%)
TOTAL REVENUES	235,871	2,178,422	188,348	127,610	(60,738)	(32.25%)
EXPENDITURES						
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	0	0	0	0		
53105 Costs of Issuance	0	0	0	0		
53403 Loss - Disposed Capital Asset	0	0	0	0		
SUBTOTAL	0	0	0	0	0	N/A
FIXED ASSETS						
19820 Machinery and Equipment	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	674,184	3,490,578	941,215	3,168,900	2,227,685	236.68%
19840 Work in Progress - Eq	0	0	0	0	0	N/A
19841 Work in Progress - Intang	10,679	7,000	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0		
SUBTOTAL	684,863	3,497,578	941,215	3,168,900	2,227,685	236.68%

Section Title:

Petaluma Aqueduct Capital Fund

Fund/Department No:

44235

33045100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
<u>SPECIAL ITEMS</u>						
56030 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	684,863	3,497,578	941,215	3,168,900	2,227,685	236.68%
Adjustments to Reserves/Encumbrances:						
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	4,325	0		0		
Donated Asset	0	0		0		
Unrealized Gain/ Loss (GASB 31)	267,243	0		0		
Rounding	1					
ENDING FUND BALANCE	7,843,323	6,524,167		3,482,877		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Sonoma Aqueduct Capital Fund
Fund/Department No: 44240 33045200

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	662,993	126,146		247,354		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	12,728	480	480	6,350	5,870	1222.82%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(17,866)	0	0	0	0	N/A
SUBTOTAL	(5,138)	480	480	6,350	5,870	1222.82%
MISCELLANEOUS REVENUES						
46200 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	547,544	145,727	145,727	127,572	(18,155)	(12.46%)
47102 Transfers In - btw Govtl Func	0	0	155,000	155,000	0	0.00%
SUBTOTAL	547,544	145,727	300,727	282,572	(18,155)	(6.04%)
SPECIAL ITEMS						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	542,406	146,207	301,207	288,922	(12,286)	(4.08%)
EXPENDITURES						
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0		
53104 Other Interest Expense	0	0	0	0		
53105 Costs of Issuance	0	0	0	0		
53403 Loss-Disposed Capital Asset	0	0	0	0		
SUBTOTAL	0	0	0	0	0	N/A
FIXED ASSETS						
19820 Machinery and Equipment	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	1,338,547	25,000	25,000	283,150	258,150	1032.60%
19840 Work in Progress - Eq	0	0	0	0		
19841 Work in Progress - Intang	0	0	0	0		
19851 Intangible Assets - Non-amoi	0	0	0	0		
SUBTOTAL	1,338,547	25,000	25,000	283,150	258,150	1032.60%
OTHER FINANCING USES						
57011 Transfers Out - within a Func	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	1,338,547	25,000	25,000	283,150	258,150	1032.60%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	471,530	0		0		
Sale or Purchase of Fixed Asset	0	0		0		
Unrealized Gain/ Loss (GASB 31)	17,866	0		0		
Post Audit Adjustment	(230,103)	0		0		
Rounding	1	0		0		
ENDING FUND BALANCE	126,146	247,354		253,125		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Storage Facilities

Fund/Department No: 44250 33043000

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	1,078,199	1,279,741		462,652		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	6,234	3,000	0	5,412	5,412	N/A
44050 Unrealized Gains & Losses	(36,048)	0	0	0	0	N/A
SUBTOTAL	(29,814)	3,000	0	5,412	5,412	N/A
MISCELLANEOUS REVENUE						
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
Administrative Control						
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
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	356,657	220,000	220,000	117,000	(103,000)	(46.82%)
47102 Transfers In - btw Govtl Funds	0	900,000	900,000	288,000	(612,000)	(68.00%)
SUBTOTAL	356,657	1,120,000	1,120,000	405,000	(715,000)	(63.84%)
TOTAL REVENUES	326,843	1,123,000	1,120,000	410,412	(709,588)	(63.36%)
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
FIXED ASSETS						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	105,823	1,886,928	1,100,000	897,335	(202,665)	(18.42%)
19841 Acq-WIP-Intangibles	9,133	53,161	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	114,956	1,940,089	1,100,000	897,335	(202,665)	(18.42%)

Section Title:

Storage Facilities

Fund/Department No:

44250 33043000

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
ADMINISTRATIVE CONTROL ACCOUNT						
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
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	114,956	1,940,089	1,100,000	897,335	(202,665)	(18.42%)
Adjustments to Reserves/Encumbrances:						
Repayment of Loan from SR Aqueduct Cap	0	0		0		
Princ. Pymnt on loan from SR Aqueduct Cap	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	0	0		0		
Gain/loss on disposal of Capital Assets	0	0		0		
Unrealized Gain/ Loss (GASB 31)	36,048	0		0		
Change in Encumbrances	(46,393)	0		0		
Rounding	1	0		0		
ENDING FUND BALANCE	1,279,741	462,652		(24,271)		

FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title: Common Facilities
Fund/Department No: 44260 33043200

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	11,978,801	5,478,792		4,964,324		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	79,190	60,000	4,800	68,343	63,543	1323.81%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(361,419)	(10,000)	0	0	0	N/A
SUBTOTAL	(282,229)	50,000	4,800	68,343	63,543	1323.81%
CHARGES FOR SERVICES						
45062 Construct/Bldg Permit Rvw Svc	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
MIECELLANEOUS REVENUES						
46021 Capital Grants - Federal	2,360,232	217,505	0	0	0	N/A
46022 Capital Grants - State	694,516	5,759,588	3,900,000	1,140,000	(2,760,000)	(70.77%)
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	254,106	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenu	1,730	0	0	0	0	N/A
SUBTOTAL	3,310,584	5,977,093	3,900,000	1,140,000	(2,760,000)	(70.77%)
ADMINISTRATIVE CONTROL						
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
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	2,140,661	11,100,000	6,100,000	2,300,000	(3,800,000)	(62.30%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	2,140,661	11,100,000	6,100,000	2,300,000	(3,800,000)	(62.30%)
TOTAL REVENUES	5,169,016	17,127,093	10,004,800	3,508,343	(6,496,457)	(64.93%)
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	1,059,243	0	0	0	0	N/A
SUBTOTAL	1,059,243	0	0	0	0	N/A
FIXED ASSETS						
19810 Land	0	0	0	0	0	N/A
19812 Acq-CIP-Land	22,233	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	12,227,806	16,641,561	11,134,466	7,926,200	(3,208,266)	(28.81%)
19840 Acq-WIP-Equipment	0	0	0	0	0	N/A
19841 Work in Progress - Intang	2,694	500,000	0	0	0	N/A

Section Title:

Common Facilities

Fund/Department No:

44260

33043200

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
19851 Intangible Assets - Non-amort	0	500,000	0	0	0	N/A
SUBTOTAL	12,252,733	17,641,561	11,134,466	7,926,200	(3,208,266)	(28.81%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
ADMINISTRATIVE CONTROL ACCOUNT						
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
TOTAL EXPENDITURES	13,311,975	17,641,561	11,134,466	7,926,200	(3,208,266)	(28.81%)
Adjustments to Reserves/Encumbrances:						
Loan from Petaluma Aqueduct Capital Func	0	0		0		
Technical Adjustments - BRO's	0	0		0		
Principal payment on Loan from Petaluma / Advances	0	0		0		
Outstanding Encumbrances - Net Change	714,080	0		0		
Capitalized Interest	0	0		0		
Gain/loss on disposal of Capital Assets	1,059,243	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	0	0		0		
Change in Contingent Liability	0	0		0		
Post Audit Adjustment	(491,790)	0		0		
Unrealized Gain/ Loss (GASB 31)	361,419	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	5,478,792	4,964,324		546,467		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: North Marin Water Deposit
Fund/Department No: 44300 33045300

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	1,127,825	28,095		28,175		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	6,486	81	81	710	629	779.98%
44050 Unrealized Gains and Losses	(39,055)	0	0	0	0	N/A
SUBTOTAL	(32,569)	81	81	710	629	779.98%
Intergovernmental Revenue						
42610 Other Governmental Agency	52,545	0	0	0	0	N/A
SUBTOTAL	52,545	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	19,977	81	81	710	629	779.98%
EXPENDITURES						
OTHER CHARGES						
53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	1,106,217	0	0	0	0	N/A
SUBTOTAL	1,106,217	0	0	0	0	N/A
TOTAL EXPENDITURES	1,106,217	0	0	0	0	N/A
Adjustments to Reserves/Encumbrances:						
Unrealized Gain/ Loss (GASB 31)	39,055	0				
Post Audit Adjustment	(52,545)	0				
Post Audit Adjustment	0	0				
Rounding	0	(1)				
ENDING FUND BALANCE	28,095	28,175		28,884		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Debt Service Fund

Fund/Department No: 44265 33047000

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	\$606,376	\$638,781		\$651,789		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	8,417	1,920	1,920	17,189	15,269	795.28%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(55,253)	0	0	0	0	N/A
SUBTOTAL	(46,836)	1,920	1,920	17,189	15,269	795.28%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	1,196,267	1,196,268	1,196,268	1,196,268	0	0.00%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,196,267	1,196,268	1,196,268	1,196,268	0	0.00%
TOTAL REVENUES	1,149,431	1,198,188	1,198,188	1,213,457	15,269	1.27%
EXPENDITURES						
OTHER CHARGES						
53103 Interest on LT Debt	177,619	153,355	153,355	153,355	0	0.00%
SUBTOTAL	177,619	153,355	153,355	153,355	0	0.00%
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	120,000	120,000	120,000	120,000	0	0.00%
SUBTOTAL	120,000	120,000	120,000	120,000	0	0.00%
ADMIN. CONTROL ACCOUNT						
59002 Advances	862,613	886,878	886,878	886,878	0	0.00%
59003 Advances Clearing	(862,613)	(886,878)	(886,878)	(886,878)	0	0.00%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	297,619	273,355	273,355	273,355	0	0.00%
Adjustments to Reserves/Encumbrances:						
Principal payments on loan	(874,661)	0				
(Increase) / Decrease in Principal Payable	0	(911,825)		(839,012)		
Advances from Other Govt	55,253	0		(22,328)		
Unrealized Gain/ Loss (GASB 31)	1	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$638,781	\$651,789		\$730,551		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Reserve Fund

Fund/Department No: 44270 33047100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	\$0	(\$0)		(\$0)		
REVENUES						
USE OF MONEY / PROPERTY						
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	(45,179)	0	0	0	0	N/A
SUBTOTAL	(45,179)	0	0	(0)	(0)	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	(45,179)	0	0	(0)	(0)	N/A
EXPENDITURES						
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	0	0	0	0	N/A
Adjustments to Reserves/Encumbrances:						
Increase in Reserve	0	0		0		
Unrealized Gain/ Loss (GASB 31)	45,179	0				
Rounding	0	0				
ENDING FUND BALANCE	(\$0)	(\$0)		(\$0)		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bond - 2012A

Fund/Department No:

44280

33047300

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	\$110,231	\$140		\$139		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	366	0	0	3	3	#####
44003 Other Interest Earnings	263	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(5,368)	0	0	0	0	N/A
SUBTOTAL	(4,739)	0	0	3	3	#####
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	309,610	0	308,325	0	(308,325)	(100.00%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	309,610	0	308,325	0	(308,325)	(100.00%)
SPECIAL ITEMS						
48004 Transfers In - within a Fund	2,526,439	0	0	0	0	N/A
SUBTOTAL	2,526,439	0	0	0	0	N/A
TOTAL REVENUES	2,831,310	0	308,325	3	(308,322)	(100.00%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	884	0	1,000	0	(1,000)	(100.00%)
SUBTOTAL	884	0	1,000	0	(1,000)	(100.00%)
OTHER CHARGES						
53103 Interest on LT Debt	76,338	0	72,300	0	(72,300)	(100.00%)
53104 Other Interest Expense	(5,056)	0	5,526	0	(5,526)	(100.00%)
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	71,282	0	77,826	0	(77,826)	(100.00%)
OTHER CHARGES						
56030 Interest on LT Debt	483,013	0	0	0	0	N/A
SUBTOTAL	483,013	0	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	206,657	0	70,000	0	(70,000)	(100.00%)
SUBTOTAL	206,657	0	70,000	0	(70,000)	(100.00%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	183,077	0	189,283	0	(189,283)	(100.00%)
59005 Admin Control Acct Clearing	(183,077)	0	(189,283)	0	189,283	(100.00%)
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	761,836	0	148,826	0	(148,826)	(100.00%)
Adjustments to Reserves/Encumbrances:						
Principal payments on bonds	0	0		0		
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	60,786	0		0		
Changed in Reserved Fund Balance	260,067					
Unrealized Gain/ Loss (GASB 31)	5,368					
Change in Principal - Refund of Debt	(2,392,413)					
Change in bond premium - Refund of Debt	(113,373)					
Rounding	0	(1)				
ENDING FUND BALANCE	\$140	\$139		\$142		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds - 2012 A

Fund/Department No:

44275 33047200

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEG. FUND BALANCE	\$398,235	\$194		\$194		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	1,443	0	1,440	99	(1,341)	(93.15%)
44003 Other Interest Earnings	368	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(15,981)	0	0	0	0	N/A
SUBTOTAL	(14,170)	0	1,440	99	(1,341)	(93.15%)
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	433,705	0	431,907	0	(431,907)	(100.00%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	433,705	0	431,907	0	(431,907)	(100.00%)
SPECIAL ITEMS						
48004 Transfers In - within a Fund	3,467,653	0	0	0	0	N/A
SUBTOTAL	3,467,653	0	0	0	0	N/A
TOTAL REVENUES	3,887,188	0	433,347	99	(433,248)	(99.98%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,138	0	1,500	0	(1,500)	(100.00%)
SUBTOTAL	1,138	0	1,500	0	(1,500)	(100.00%)
OTHER CHARGES						
53103 Interest on LT Debt	106,893	0	101,239	0	(101,239)	(100.00%)
53104 Other Interest Expense	(6,539)	0	7,787	0	(7,787)	(100.00%)
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	100,354	0	109,026	0	(109,026)	(100.00%)
OTHER CHARGES						
56030 Interest on LT Debt	676,343	0	0	0	0	N/A
SUBTOTAL	676,343	0	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	464,444	0	0	0	0	N/A
SUBTOTAL	464,444	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	256,355	0	265,045	0	(265,045)	(100.00%)
59005 Admin Control Acct Clearing	(256,355)	0	(265,045)	0	265,045	(100.00%)
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	1,242,279	0	110,526	0	(110,526)	(100.00%)
Adjustments to Reserves/Encumbrances:						
Principal payments on bonds	0	0		0		
(Increase) / Decrease in Bonds Payable	0	0		0		
Restricted cash with trustee (reserve)	364,160	0		0		
Amortization of bond discount	0	0		0		
Amortization of bond premium	0	0		0		
Amortization of deferred amount of refunding	85,656	0		0		
Unrealized Gain/ Loss (GASB 31)	15,981	0		0		
Change in Principal - Refund of Debt	(3,349,995)					
Change in bond premium - Refund of Debt	(158,752)					
Rounding	0			0		
ENDING FUND BALANCE	\$194	\$194		\$293		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Sonoma Aqueduct Revenue Bonds 2012

Fund/Department No: 44285 33047400

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	\$134,670	\$114		\$114		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	470	0	960	65	(895)	(93.19%)
44003 Other Interest Earnings	216	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(5,935)	0	0	0	0	N/A
SUBTOTAL	(5,249)	0	960	65	(895)	(93.19%)
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	254,884	(0)	253,827	0	(253,827)	(100.00%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	254,884	(0)	253,827	0	(253,827)	(100.00%)
SPECIAL ITEMS						
48004 Transfers In - within a Fund	2,036,697	0	0	0	0	N/A
SUBTOTAL	2,036,697	0	0	0	0	N/A
TOTAL REVENUES	2,286,333	(0)	254,787	65	(254,722)	(99.97%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	775	0	1,000	0	(1,000)	(100.00%)
SUBTOTAL	775	0	1,000	0	(1,000)	(100.00%)
OTHER CHARGES						
53103 Interest on LT Debt	62,783	0	59,462	0	(59,462)	(100.00%)
53104 Other Interest Expense	(3,723)	0	4,585	0	(4,585)	(100.00%)
53105 Costs of Issuance	0	0	0	0	0	N/A
53109 Capitalized Interest	0	0	0	0	0	N/A
SUBTOTAL	59,060	0	64,047	0	(64,047)	(100.00%)
OTHER CHARGES						
56030 Interest on LT Debt	397,245	0	0	0	0	N/A
SUBTOTAL	397,245	0	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	173,224	0	0	0	0	N/A
SUBTOTAL	173,224	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	150,568	(155,672)	0	0	0	N/A
59005 Admin Control Acct Clearing	(150,568)	155,672	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	630,304	0	65,047	0	(65,047)	(100.00%)
Adjustments to Reserves/Encumbrances:						
(Increase)/Decrease in Bonds Payable						
Principal Payments on Bonds	0	0		0		
Amortization of bond discount	0	0		0		
Change in Reserved Fund Balance	213,887	0		0		
Capitalized Interest	0	0		0		
Amortization of deferred amount of refundir	50,427	0		0		
Change in Principal - Refund of Debt	(1,967,592)					
Change in bond premium - Refund of Debt	(93,242)					
Unrealized Gain/ Loss (GASB 31)	5,935	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$114	\$114		\$179		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bonds 2015

Fund/Department No:

44290 33047500

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	\$212,358	\$131,617		\$49,750		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	1,730	432	432	651	219	50.61%
44003 Other Interest Earnings	170	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(9,646)	0	0	0	0	N/A
SUBTOTAL	(7,746)	432	432	651	219	50.61%
Miscellaneous Revenues						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	476,381	480,268	480,268	477,198	(3,069)	(0.64%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	476,381	480,268	480,268	477,198	(3,069)	(0.64%)
TOTAL REVENUES	468,635	480,700	480,700	477,849	(2,851)	(0.59%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,174	1,500	1,500	1,500	0	0.00%
SUBTOTAL	1,174	1,500	1,500	1,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	169,148	157,214	157,214	144,521	(12,693)	(8.07%)
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
SUBTOTAL	157,680	162,272	162,272	149,579	(12,693)	(7.82%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	150,000	150,000	150,000	117,000	(33,000)	(22.00%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	150,000	150,000	150,000	117,000	(33,000)	(22.00%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	238,545	253,852	253,852	263,876	10,024	3.95%
59005 Admin Control Acct Clearing	(238,545)	(253,852)	(253,852)	(263,876)	(10,024)	3.95%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	308,854	313,772	313,772	268,079	(45,693)	(14.56%)
Adjustments to Reserves/Encumbrances:						
Change in Principal due to Bond Reallocation	0					
Change in Bond Premium due to Bond Realloc	0					
Capitalized Interest	0					
Loss on Refunding of Debt	5,058	5,058		5,058		
Principal Payment	(238,545)	(253,852)		(263,876)		
Special Fund Stmt's!B449	0	0		0		
Amortization of Bond Premium	(16,526)	0		0		
Change in Reserved Fund Balance	(156)					
Unrealized Gain/ Loss (GASB 31)	9,646					
Rounding	0	(0)				
ENDING FUND BALANCE	\$131,617	\$49,750		\$702		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2015

Fund/Department No:

44295

33047600

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEG. FUND BALANCE	\$482,808	\$351,484		\$338,871		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	3,994	2,400	2,400	8,381	5,981	249.22%
44003 Other Interest Earnings	167	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(22,436)	0	0	0	0	N/A
SUBTOTAL	(18,275)	2,400	2,400	8,381	5,981	249.22%
MISCELLANEOUS REVENUES						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	1,224,505	1,230,285	1,230,285	1,228,700	(1,585)	(0.13%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,224,505	1,230,285	1,230,285	1,228,700	(1,585)	(0.13%)
TOTAL REVENUES	1,206,230	1,232,685	1,232,685	1,237,082	4,397	0.36%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	2,075	2,500	2,500	2,500	0	0.00%
SUBTOTAL	2,075	2,500	2,500	2,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	483,196	454,461	454,461	424,044	(30,417)	(6.69%)
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
SUBTOTAL	458,188	458,977	458,977	428,560	(30,417)	(6.63%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	300,000	180,000	180,000	180,000	0	0.00%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	300,000	180,000	180,000	180,000	0	0.00%
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	574,580	608,336	608,336	637,375	29,039	4.77%
59005 Admin Control Acct Clearing	(574,580)	(608,336)	(608,336)	(637,375)	(29,039)	4.77%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	760,263	641,477	641,477	611,060	(30,417)	(4.74%)
Adjustments to Reserves/Encumbrances:						
Principal Payment	(574,580)	(608,336)		(637,375)		
Change in Principal due to Bond Reallocat	0	0		0		
Change in Bond Premium due to Bond Re	0	0		0		
Revenue Bonds Pay - Change in Current E	0	0		0		
Amortization of Bond Premium	(29,523)	0		0		
Capitalized Interest	0			0		
Change in Reserved Fund Balance	(139)			0		
Loss on Refunding Debt	4,515	4,515		0		
Unrealized Gain/ Loss (GASB 31)	22,436	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	\$351,484	\$338,871		\$327,517		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2015

Fund/Department No:

44305

33047700

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	\$96,882	\$102,582		\$78,537		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	591	384	384	1,238	854	222.35%
44003 Other Interest Earnings	1	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(3,522)	0	0	0	0	N/A
SUBTOTAL	(2,929)	384	384	1,238	854	222.35%
MISCELLANEOUS REVENUES						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	37,809	37,917	37,917	37,971	54	0.14%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	37,809	37,917	37,917	37,971	54	0.14%
TOTAL REVENUES	34,880	38,301	38,301	39,209	908	2.37%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	325	500	500	500	0	0.00%
SUBTOTAL	325	500	500	500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	15,502	14,658	14,658	13,768	(890)	(6.07%)
53104 Other Interest Expense	(689)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	14,812	14,658	14,658	13,768	(890)	(6.07%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	65,000	65,000	65,000	0	0.00%
SUBTOTAL	0	65,000	65,000	65,000	0	0.00%
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	16,875	17,813	17,813	18,750	937	5.26%
59005 Admin Control Acct Clearing	(16,875)	(17,813)	(17,813)	(18,750)	(937)	5.26%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	15,137	80,158	80,158	79,268	(890)	(1.11%)
Adjustments to Reserves/Encumbrances:						
Change in Principal due to Bond Reallocation	0	0		0		
Change in Bond Premium due to Bond Realloc	0	0		0		
Accrual of Principal Payment - Revenue Bonds	(16,875)	17,813		(18,750)		
Principal Payment	0	0		0		
Amortization of Bond Premium	(689)	0		0		
Unrealized Gain/ Loss (GASB 31)	3,522	0		0		
Change in Reserved Fund Balance	0					
Rounding	(1)	0		0		
ENDING FUND BALANCE	\$102,582	\$78,537		\$19,728		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities Revenue Bonds 2019
Fund/Department No: 44310 33047800

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEG. FUND BALANCE	\$102,593	\$41,116		\$708,986		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	1,199	480	480	18,860	18,380	3829.10%
44003 Other Interest Earnings	133	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(6,686)	0	0	0	0	N/A
SUBTOTAL	(5,354)	480	480	18,860	18,380	3829.10%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	674,569	676,780	676,780	676,992	213	0.03%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	674,569	676,780	676,780	676,992	213	0.03%
TOTAL REVENUES	669,215	677,260	677,260	695,852	18,592	2.75%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	2,675	3,000	3,000	3,000	0	0.00%
SUBTOTAL	2,675	3,000	3,000	3,000	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	307,780	293,933	293,933	279,355	(14,578)	(4.96%)
53104 Other Interest Expense	(54,724)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	253,056	293,933	293,933	279,355	(14,578)	(4.96%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	150,000	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	150,000	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	276,808	291,571	291,571	306,334	14,763	5.06%
59005 Admin Control Acct Clearing	(276,808)	(291,571)	(291,571)	(306,334)	(14,763)	5.06%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	405,731	296,933	296,933	282,355	(14,578)	(4.91%)
Adjustments to Reserves/Encumbrances:						
Unrealized Gains and Losses	0	0		0		
Proceeds Bond Issuance	0	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	(276,808)	(291,571)		(306,334)		
Revenue Bonds Pay-Change in Current Bal	0	0		0		
Amortization of Bond Premium	(54,724)	0		0		
Change in Reserved Fund Balance	0	0		0		
Post Audit Adjustments - Closing COI	0	0		0		
Loss on Refunding of Debt	0	0		0		
Unrealized Gain/ Loss (GASB 31)	6,686	0		0		
Changed in Reserved Fund Balance	(115)	579,115		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$41,116	\$708,986		\$816,149		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2019

Fund/Department No:

44315

33047900

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	\$291,998	\$124,939		\$272,227		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	1,893	480	480	7,463	6,983	1454.71%
44003 Other Interest Earnings	47	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(11,120)	0	0	0	0	N/A
SUBTOTAL	(9,180)	480	480	7,463	6,983	1454.71%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	239,626	240,577	240,577	240,651	75	0.03%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	239,626	240,577	240,577	240,651	75	0.03%
TOTAL REVENUES	230,446	241,057	241,057	248,114	7,057	2.93%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,213	1,500	1,500	1,500	0	0.00%
SUBTOTAL	1,213	1,500	1,500	1,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	109,179	104,267	104,267	99,096	(5,171)	(4.96%)
53104 Other Interest Expense	(19,412)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	89,767	104,267	104,267	99,096	(5,171)	(4.96%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	200,000	90,000	90,000	90,000	0	0.00%
SUBTOTAL	200,000	90,000	90,000	90,000	0	0.00%
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	98,192	103,430	103,430	108,666	5,236	5.06%
59005 Admin Control Acct Clearing	(98,192)	(103,430)	(103,430)	(108,666)	(5,236)	5.06%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	290,980	195,767	195,767	190,596	(5,171)	(2.64%)
Adjustments to Reserves/Encumbrances:						
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 Bon	(98,192)	(103,430)		0		
Principal Payment	0	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Bond Premium - Issuance of Revenue Bonds	0	0		0		
Amortization of Bond Premium	(19,412)	0		0		
Unrealized Gain/ Loss (GASB 31)	11,120	0		0		
Change in Reserved Fund Balance	(41)	205,429		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	\$124,939	\$272,227		\$329,745		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Storage Facilities Revenue Bonds 2022

Fund/Department No: 44325 33048100

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEG. FUND BALANCE	\$0	\$947,409		\$232,908		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	923	0	0	2,915	2,915	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(34,664)	0	0	0	0	N/A
SUBTOTAL	(33,741)	0	0	2,915	2,915	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	385,782	77,457	355,015	277,558	358.34%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	385,782	77,457	355,015	277,558	358.34%
SPECIAL ITEMS						
48004 Residual Equity Transfers	433,013	0	0	0	0	N/A
SUBTOTAL	433,013	0	0	0	0	N/A
TOTAL REVENUES	399,272	385,782	77,457	357,930	280,473	362.10%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	0	560	500	560	60	12.00%
SUBTOTAL	0	560	500	560	60	12.00%
OTHER CHARGES						
53103 Interest on LT Debt	4,809	129,724	29,724	119,587	89,863	302.33%
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	44,018	0	0	0	0	N/A
SUBTOTAL	48,827	129,724	29,724	119,587	89,863	302.33%
SPECIAL ITEMS						
56030 Residual Equity Transfers	2,476,439	0	0	0	0	N/A
SUBTOTAL	2,476,439	0	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	970,000	900,000	288,000	(612,000)	(68.00%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	970,000	900,000	288,000	(612,000)	(68.00%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	0	180,131	37,131	188,562	151,431	407.83%
59005 Admin Control Acct Clearing	0	(180,131)	(37,131)	(188,562)	(151,431)	407.83%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	2,525,265	1,100,284	930,224	408,147	(522,077)	(56.12%)
Adjustments to Reserves/Encumbrances:						
CBA's - Included in Est. Current Yr Expenses	0	0		0		
Gain on Refunding	44,214	0		0		
Issuance of Revenue Bonds	2,693,401	0		0		
Accrual of Principal Payment - Revenue Bonds	0	0		(179,472)		
Unrealized Gain/ Loss (GASB 31)	34,664	0		0		
Bond Premium	301,517	0		0		
Post Audit Adjustment	(394)	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$947,409	\$232,908		\$3,219		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: Common Facilities Revenue Bonds 2022

Fund/Department No: 44335 33048300

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEG. FUND BALANCE	\$0	\$13,985,191		\$9,348,820		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	5,684	0	0	210,969	210,969	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(485,301)	0	0	0	0	N/A
SUBTOTAL	(479,617)	0	0	210,969	210,969	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	1,562,860	1,080,953	1,378,983	298,031	27.57%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	1,562,860	1,080,953	1,378,983	298,031	27.57%
SPECIAL ITEMS						
48004 Residual Equity Transfers	676,343	0	0	0	0	N/A
SUBTOTAL	676,343	0	0	0	0	N/A
TOTAL REVENUES	196,726	1,562,860	1,080,953	1,589,952	509,000	47.09%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	0	4,000	4,000	4,000	0	0.00%
SUBTOTAL	0	4,000	4,000	4,000	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	27,279	696,130	416,130	666,486	250,356	60.16%
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	249,690	0	0	0	0	N/A
SUBTOTAL	276,969	696,130	416,130	666,486	250,356	60.16%
SPECIAL ITEMS						
56030 Residual Equity Transfers	3,467,653	0	0	0	0	N/A
SUBTOTAL	3,467,653	0	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	5,000,000	5,800,000	2,000,000	(3,800,000)	(65.52%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	5,000,000	5,800,000	2,000,000	(3,800,000)	(65.52%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	0	519,829	519,829	528,630	8,801	1.69%
59005 Admin Control Acct Clearing	0	(519,829)	(519,829)	(528,630)	(8,801)	1.69%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	3,744,622	5,700,130	6,220,130	2,670,486	(3,549,644)	(57.07%)
Adjustments to Reserves/Encumbrances:						
CBA's - Included in Est. Current Yr Expenses	0	0		0		
Proceeds Bond Issuance	15,539,615	0		0		
Gain on Refunding	61,911	0		0		
Principal Payment	0	(499,101)		(528,630)		
Bond Premium - Issuance of Revenue Bonds	1,445,451	0		0		
Unrealized Gain/ Loss (GASB 31)	485,301	0		0		
Post Audit Adjustment	808	0		0		
Rounding	1	0		0		
ENDING FUND BALANCE	\$13,985,191	\$9,348,820		\$7,739,656		

**FY 2023-24 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2022

Fund/Department No:

44330

33048200

Account Title	Actual 2021-2022	Estimated 2022-2023	Adopted 2022-2023	Requested 2023-24	Difference	Percent Change
BEGINNING FUND BALANCE	\$0	(\$1,287)		\$47,762		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	587	0	0	1,576	1,576	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	587	0	0	1,576	1,576	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	253,827	0	234,526	234,526	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	253,827	0	234,526	234,526	N/A
SPECIAL ITEMS						
48004 Residual Equity Transfers	397,245	0	0	0	0	N/A
SUBTOTAL	397,245	0	0	0	0	N/A
TOTAL REVENUES	397,831	253,827	0	236,103	236,103	N/A
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	0	350	0	350	350	N/A
SUBTOTAL	0	350	0	350	350	N/A
OTHER CHARGES						
53103 Interest on LT Debt	2,614	73,000	0	65,778	65,778	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	23,926	0	0	0	0	N/A
SUBTOTAL	26,541	73,000	0	65,778	65,778	N/A
SPECIAL ITEMS						
56030 Residual Equity Transfers	2,036,697	0	0	0	0	N/A
SUBTOTAL	2,036,697	0	0	0	0	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	0	132,000	0	137,808	137,808	N/A
59005 Admin Control Acct Clearing	0	(132,000)	0	(137,808)	(137,808)	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	2,063,238	73,350	0	66,128	66,128	N/A
Adjustments to Reserves/Encumbrances:						
CBA's - Included in Est. Current Yr Expense:	0	0		0		
Gain on Refunding	36,363	0		0		
Issuance of Revenue Bonds	1,446,984	0		0		
Accrual of Principal Payment - Revenue Bor	0	(131,428)		0		
Principal Payment	0	0		(137,808)		
Bond Premium - Issuance of Revenue Bond	181,185	0		0		
Post Audit Adjustment	(413)	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	(\$1,287)	\$47,762		\$79,929		

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY23-24

A. ANNUAL DEBT SERVICE REQUIREMENTS

	Common Facilities	O&M Fund	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
2012 A Revenue Bond	44275	TBD	TBD	44280	44285
PRINCIPAL	0			0	0
INTEREST	0			0	0
OTHER INTEREST - DEFERRED REFUNDING CHARGE	0			0	0
FISCAL AGENT FEES	0			0	0
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	0	0		0	0
Bond Reserve	0	0		0	0
Total Individual Bond Debt Service	0	0		0	0
2015A Revenue Bond	44295			44290	44305
PRINCIPAL	637,375			263,876	18,750
INTEREST	424,044			144,521	13,768
OTHER INTEREST - DEFERRED REFUNDING CHARGE	4,516			5,058	0
FISCAL AGENT FEES	2,500			1,500	500
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	1,068,435			414,955	33,018
Bond Reserve	160,265			62,243	4,953
Total Individual Bond Debt Service	1,228,700			477,198	37,971
2019A Revenue Bond	44310			44320	44315
PRINCIPAL	306,334				108,666
INTEREST	279,355				99,096
FISCAL AGENT FEES	3,000				1,500
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	588,689			0	209,262
Bond Reserve	88,303			0	31,389
Total Individual Bond Debt Service	676,992			0	240,651
2022A Revenue Bond	44335			44325	44330
PRINCIPAL	528,630			188,562	137,808
INTEREST	666,486			119,587	65,778
FISCAL AGENT FEES	4,000			560	350
DEBT ISSUANCE COSTS					0
Total Individual Bond Payments	1,199,116			308,709	203,936
Bond Reserve	179,867			46,306	30,590
Total Individual Bond Debt Service	1,378,983			355,015	234,526
SRF LOAN	44265				
PRINCIPAL	886,878			N.A	N.A
INTEREST	153,355			N.A	N.A
Total Individual Loan Payments	1,040,233				
Reserve Requirement	156,035				
Total SRF Debt Service	1,196,268				
SRF LOAN RESERVE					
RESERVE				N.A	N.A
Total SRF Debt Service	1,196,268				
TOTAL DEBT SERVICE	\$4,480,944	\$0	\$0	\$832,214	\$513,148
LESS REV. FROM N. MARIN REV. BOND CHARGES	494,028				
REMAINING REVENUE REQUIREMENT	\$3,986,916	\$0	\$0	\$832,214	\$513,148

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY23-24

A. ANNUAL DEBT SERVICE REQUIREMENTS

Common Facilities	O&M Fund	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
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B. CALCULATIONS OF WATER RATES FOR FY23-24

	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
REVENUE REQUIREMENT	\$3,986,915.53	\$0	\$0	\$832,214	\$513,148
APPLICABLE BASE WATER DELIVERIES IN A.F.	28,557.77	41,799.9	41,799.9	28,557.77	3,383.1
CHARGES PER ACRE-FEET	\$139.61	\$0.00	\$0.00	\$29.14	\$151.68

C. CALCULATIONS OF NORTH MARIN REVENUE BONDS CHARGE

REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE (<i>Remaining Facilities per RA 4.3a2</i>)	\$1,943,039
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (11.2/90.4))	240,730
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	5,303
NORTH MARIN REVENUE BONDS CHARGE	45.39
REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE (<i>Additional Facilities per RA 4.3b9</i>)	1,860,913
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (19.9/146.2))	253,298
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	5,303
NORTH MARIN REVENUE BONDS CHARGE	47.76

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

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

Excluded: 2019A Revenue Bond - NMWD Paid Cash

FY23/24					
	Principal	Interest	Reserve Requirement	Fiscal Agent Fee + Other Charges	Total
SRF LOAN	886,878	153,355	156,035		1,196,268
2015A Revenue Bond	637,375	424,044	160,265	7,016	1,228,700
<i>2015A Revenue Bond New Money</i>	<i>439,277</i>	<i>322,539</i>	<i>115,028</i>	<i>5,036</i>	<i>881,880</i>
<i>2015A Revenue Bond Refunding</i>	<i>198,098</i>	<i>101,505</i>	<i>45,237</i>	<i>1,980</i>	<i>346,821</i>
2019A Revenue Bond	306,334	279,355	88,303	3,000	676,992
2022A Revenue Bond	528,630	666,486	179,867	4,000	1,378,983
<i>2022A Revenue Bond New Money</i>	<i>294,000</i>	<i>554,493</i>	<i>127,700</i>	<i>2,840</i>	<i>979,033</i>
<i>2022A Revenue Bond Refunding</i>	<i>234,630</i>	<i>111,992</i>	<i>52,167</i>	<i>1,160</i>	<i>399,950</i>

FY 2023-24 BUDGET
Water Transmission System - Fund Balances and Operating Transfers

Fund	Index	OT Out (57012)	To	OT In (47102)	Fund Bal. (Stmt.)	Fund Bal. (Cash)	Diff.
Santa Rosa Aq. Capital Fund	44230	0		298,319	8,991,672	8,991,671	(0)
Petaluma Aq. Capital Fund	44235	0		0	3,482,877	3,482,877	0
Sonoma Aq. Capital Fund	44240	0		282,572	253,125	253,125	0
Sonoma Rev Bond 2012 Fund	44285	0	Sonoma AQ	0	179	179	0
Sonoma Rev Bond 2015 Fund	44305	65,000	Sonoma AQ	37,971	19,728	19,728	0
Sonoma Rev Bond 2019 Fund	44315	90,000	Sonoma AQ	240,651	329,745	329,745	0
Sonoma Rev Bond 2022 Fund	44330	0	Sonoma AQ	234,526	79,929	79,929	0
Storage Rev Bond 2012 Fund	44280	0	Storage Facilities	0	142	142	0
Storage Rev Bond 2015 Fund	44290	117,000	Storage Facilities	477,198	702	702	(0)
Storage Rev Bond 2022 Fund	44325	288,000	Storage Facilities	355,015	3,219	3,219	0
Common Rev Bond 2012 Fund	44275	0	Common Facilities	0	293	293	0
Common Rev Bond 2015 Fund	44295	180,000	Common Facilities	1,228,700	327,517	327,517	0
Common Rev Bond 2019 Fund	44310	0	Common Facilities	676,992	816,149	816,149	0
Common Rev Bond 2022 Fund	44335	2,000,000	Common Facilities	1,378,983	7,739,656	7,739,656	0
State Loan Debt Service	44265	120,000	Common Facilities	1,196,268	730,551	730,551	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	9,675,550	9,675,550	0
Agency Fund (Charges)	44205	10,019,899		0			
Pipeline Facilities	44255			0	0	0	0
Storage Facilities	44250			405,000	(24,271)	(24,271)	0
Common Facilities	44260			2,300,000	546,468	546,467	(0)
North Marin	44300	0		0	28,884	28,884	0
Water Management Planning	44210			0	165,252	165,252	(0)
Watershed Planning/Restoration	44215			1,504,670	104,283	104,283	0
Recycled Water & Local Supply	44220			0	224,872	224,872	0
Water Conservation	44225			2,263,032	12,737	12,737	0
Total		12,879,899		12,879,899	33,509,258	33,509,257	(1)

Common Facilities OT - in 47101 From

Water Transmission (discretionary)	-
Water Transmission (Charges)	-
North Marin	-
2012 Bond Fund	-
2015 Bond Fund	180,000
2019 Bond Fund	-
2022 Bond Fund	2,000,000
State Loan Debt Service	120,000
Total	2,300,000

O&M Rate Computation
Revenue Requirement - Transfers Out:

10,019,899

Agency Fund (Charges) OT - Out To:

<u>AQ Capital Funds</u>	
Santa Rosa Aq. Capital Fund	298,319
Petaluma Aq. Capital Fund	0
Sonoma Aq. Capital Fund	127,572
Total	425,892

**Agency Fund (Charges) OT - Out To:
Summary**

AQ Capital Funds	425,892
Debt Service Funds	5,826,306
WT Subfunds	3,767,702
Total	10,019,899

<u>Debt Service Funds</u>	
Sonoma Rev Bond 2012 Fund	0
Sonoma Rev Bond 2015 Fund	37,971
Sonoma Rev Bond 2019 Fund	240,651
Sonoma Rev Bond 2022 Fund	234,526
Storage Rev Bond 2012 Fund	0
Storage Rev Bond 2015 Fund	477,198
Storage Rev Bond 2022 Fund	355,015
Common Rev Bond 2012 Fund	0
Common Rev Bond 2015 Fund	1,228,700
Common Rev Bond 2019 Fund	676,992
Common Rev Bond 2022 Fund	1,378,983
State Loan Debt Service	1,196,268
State Loan Reserve	0
Capital Lease Financing	0
Total	5,826,306

Capital Funds and North Marin 0

<u>Capital Funds and North Marin</u>	
Pipeline Facilities	0
Storage Facilities	0
Common Facilities	0
North Marin	0
Total	0

Total 10,019,899

<u>WT Subfunds</u>	
Water Management Planning	0
Watershed Planning/Restoration	1,504,670
Recycled Water & Local Supply	0
Water Conservation	2,263,032
Total	3,767,702

Total 10,019,899



Sonoma Water

Clean. Reliable. Essential. Every day.

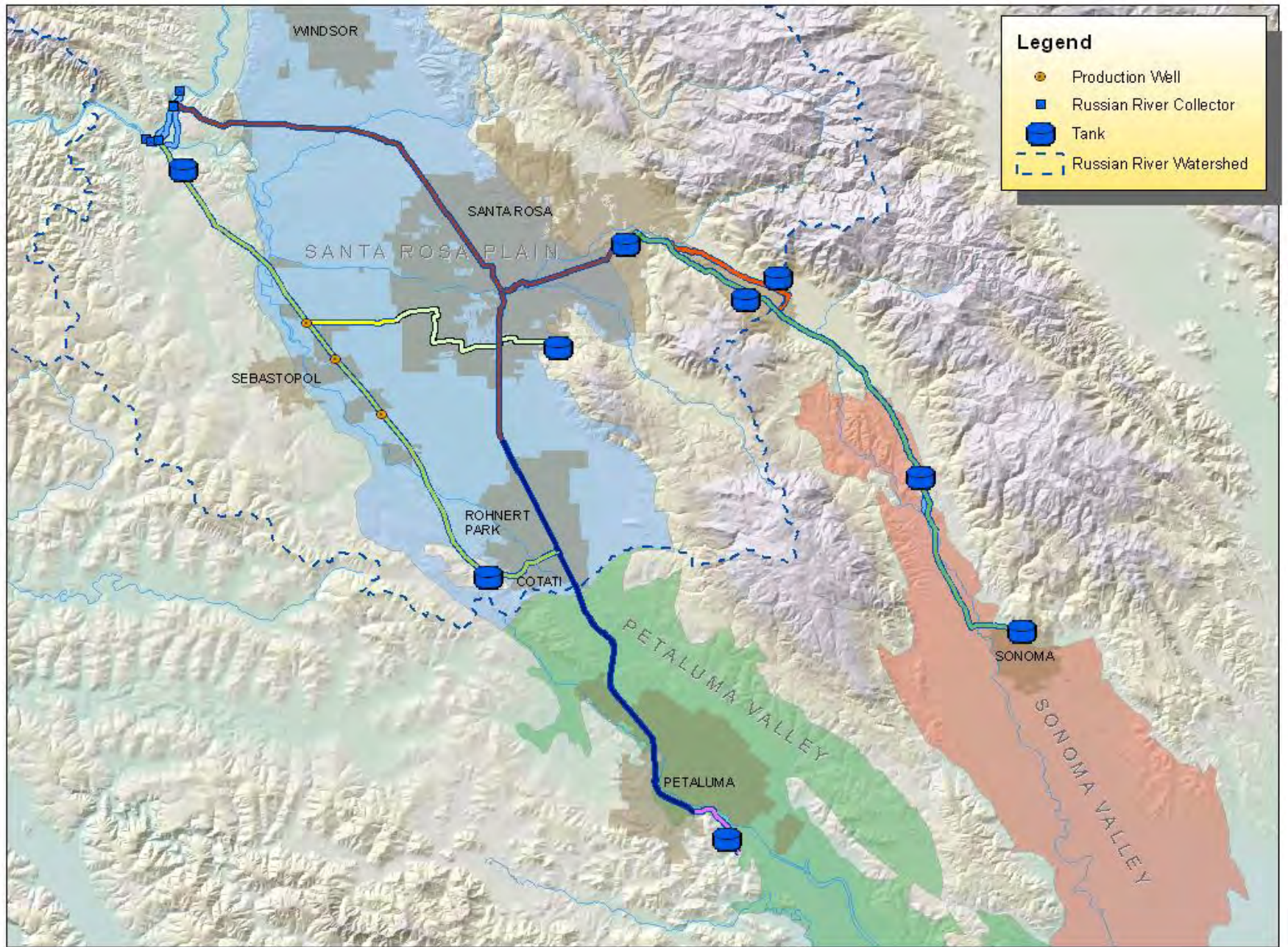
FY 2023-2024 Proposed Budget and Rates Water Transmission System

Lynne Rosselli
ADMINISTRATIVE SERVICES
DIVISION MANAGER
Lynne.Rosselli@scwa.ca.gov

Jake Spaulding
FINANCE MANAGER
Jake.Spaulding@scwa.ca.gov

    sonomawater.org

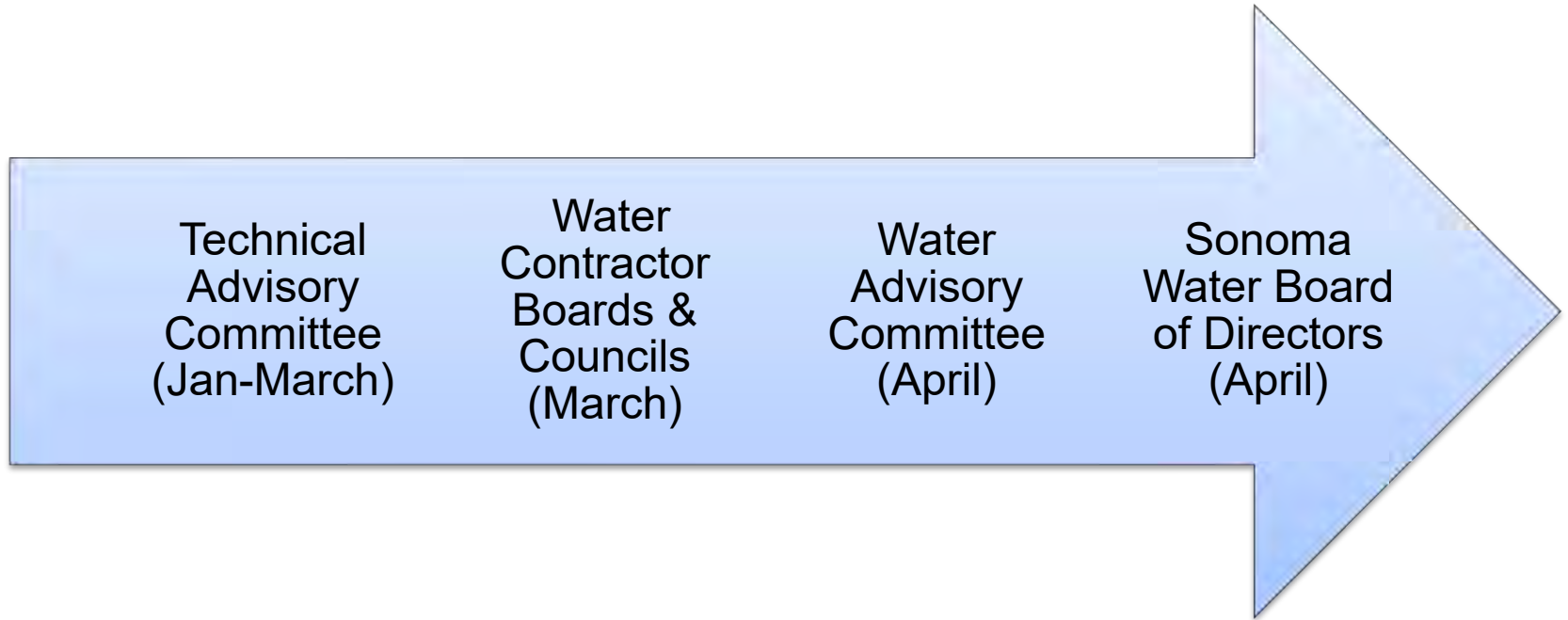




Legend

- Production Well
- Russian River Collector
- Tank
- - - Russian River Watershed

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



Budget includes multiple water transmission system activities and funds

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



Song
Water



Challenges

- Aging Infrastructure
- Maintenance Needs
- Increased Repairs
- Natural Hazard Vulnerabilities



\$6.34 million budgeted for hazard mitigation projects to reduce risks

Bennett Valley Fault Crossing

Ely Booster Pump Station Flood Mitigation

RDS Pump and Motor Control Center Replacement

Seismic Retrofit of Storage Tanks

Wilfred Booster Station

\$5.94 million budgeted for other capital projects to increase resiliency

Kawana-Ralphine SBS Pipeline Acquisition
(SE Greenway)

Mirabel/Wohler Storage Building

Occidental Road and Sebastopol Road Wells

Ralphine Tanks Flow Thru Conversion

Warm Springs Dam Hydroturbine Retrofit

Wohler Bridge Fiber Optic Cable

Total FY23-24 Capital Budget
including Hazard Mitigation Projects:
\$12.28M



\$40.4 million budgeted for operations and maintenance to protect, improve and maintain system reliability

Projects

Aqueduct Cathodic Protection

Collector Well, Pump, Pipeline, Valve Rehabilitations/Replacements

Emergency Inventory Procurement

Tank Recoats & Tank Maintenance Program

Studies

DeMuth Property Hydrogeologic Investigation

Groundwater Banking Feasibility Study

Regional Water Supply Resiliency Study

Transmission System Modeling & Condition Assessments Programs

\$9.78 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.



SavingWaterPartnership.org/challenge



Expenditures compared to FY 22-23

	FY22-23	FY23-24	
	Budget (in Millions)	Budget (in Millions)	Change (in Millions)
Operations and Maintenance	\$38.68	\$40.41	\$1.73
Capital Projects	\$13.25	\$12.28	(\$0.97)
BO Compliance, Water Supply Planning, Water Conservation	\$13.89	\$9.78	(\$4.11)
Debt Service	\$6.01	\$5.83	(\$0.18)
Totals	\$71.83	\$68.30	(\$3.53)

Grants, Use of Fund Balance,
and Bond Proceeds

\$15.31

\$18.15

\$2.84

FY 23-24 Budgeted Expenditures

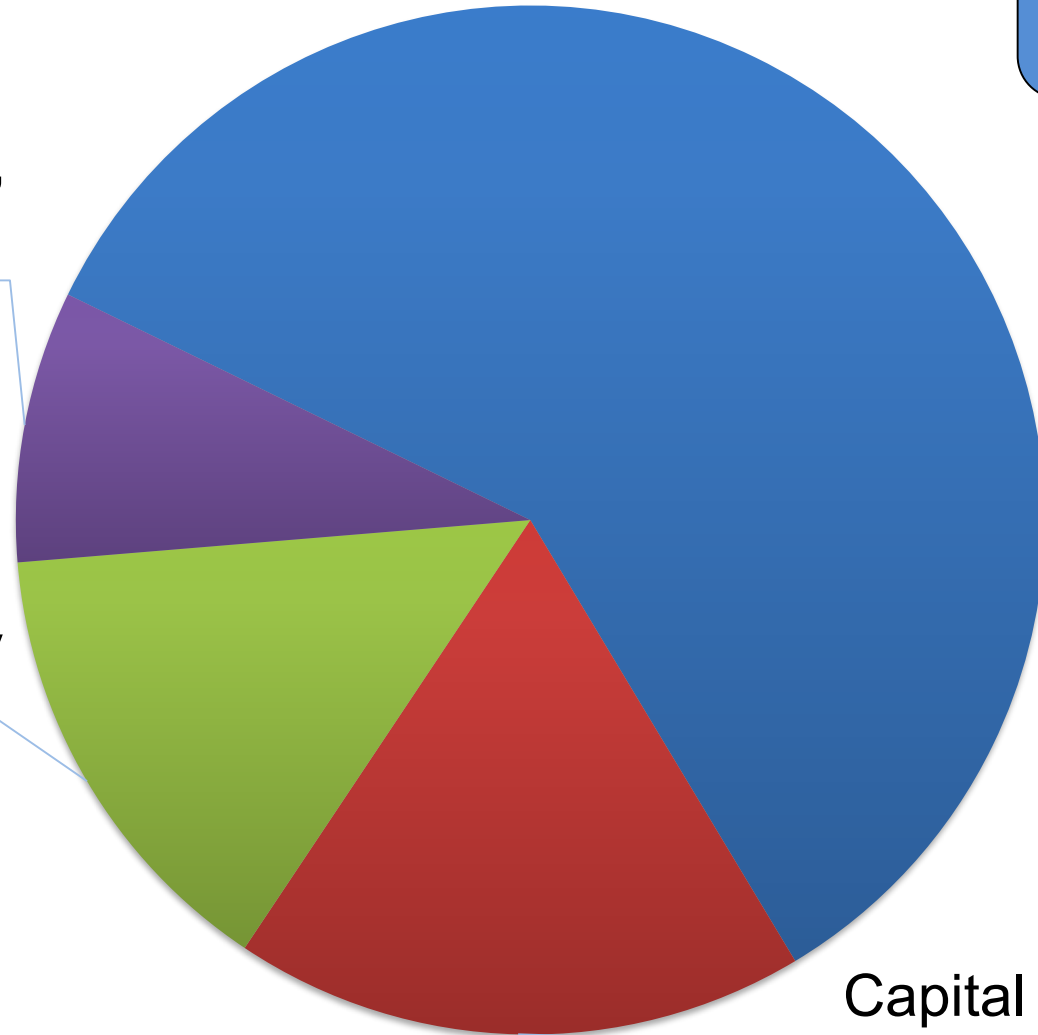
Grants, Bond Proceeds, and Use of Fund Balance
\$18.15 Million

Debt Service
\$5.83 Million,
9%

BO Compliance,
Water Supply Planning,
Water Conservation
\$9.78 Million,
14%

Operations and Maintenance
\$40.41 Million,
59%

Capital Projects
\$12.28 Million,
18%



Example of how rates are calculated

$$\frac{\$49,090,000}{41,847 \text{ AF}} = \$1,173/\text{Acre Foot}$$

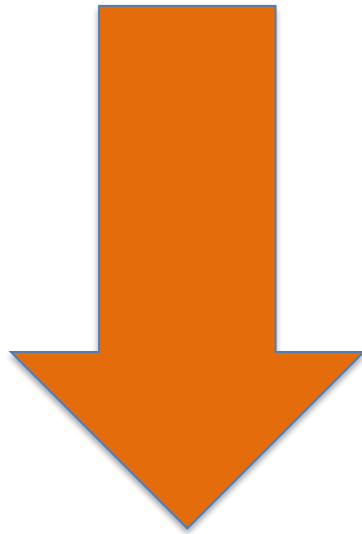
Water Sold = Lesser of:

45,128 AF

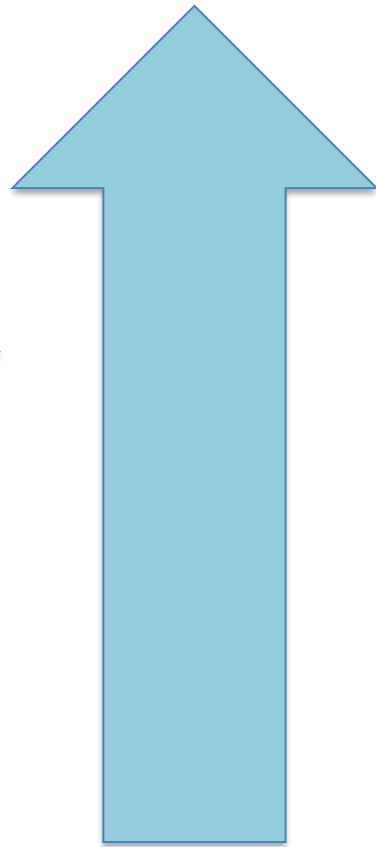
or

41,847 AF

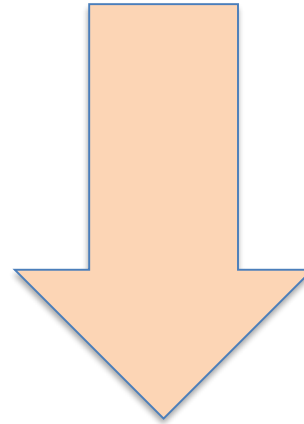
Steps taken to reduce budget and rate



Deferred non-routine maintenance projects = \$2.44 million



Use of grants, bond proceeds, and fund balance = \$18.15 million



Water contractors further reduced rates by cutting discretionary aqueduct capital charges

Result:

Rate increase dropped from over 20% to 10.56%

Total cost per gallon is \$0.004

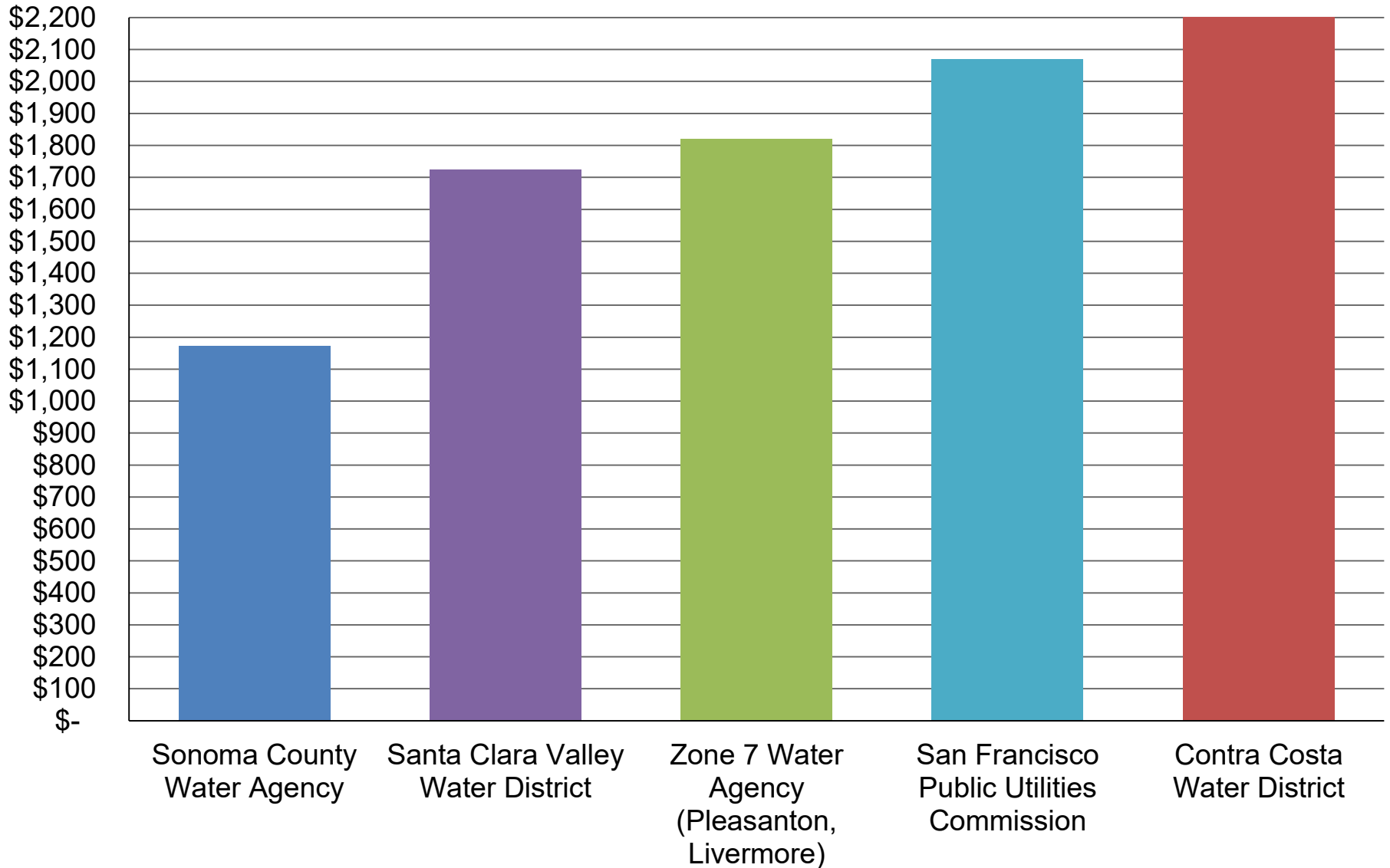
Proposed Rates for FY 23-24

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	41,847		
O&M	\$903.30	\$903.30	\$903.30
Water Management Planning	\$0.00	\$0.00	\$0.00
Watershed Planning & Restoration	\$35.96	\$35.96	\$35.96
Recycled Water and Local Supply	\$0.00	\$0.00	\$0.00
Water Conservation	\$54.08	\$54.08	\$54.08
Total O&M	\$993.34	\$993.34	\$993.34
Storage & Common Bond/Loan Charges	\$168.75	\$168.75	\$168.75
Sonoma Aqueduct Bond/Loan Charge			\$151.68
<i>Prime Contractors</i>	\$1,162.09	\$1,162.09	\$1,313.77
<u>Discretionary Charges</u>			
Capital Charges - to build fund balance for future projects	\$11.00	\$0.00	\$34.90
<i>Prime Contractors</i>	\$11.00	\$0.00	\$34.90
<i>Total Prime Contractors</i>	\$1,173.09	\$1,162.09	\$1,348.67
Total Overall Increase:	10.56%	9.42%	10.56%

Proposed North Marin Rates for FY 23-24

Charges	FY23-24	FY22-23
Deliveries (Acre-Feet)	5,303	
O&M Charge	993.34	896.93
North Marin Bond & Loan Charge	93.16	75.61
Russian River Conservation Charge	137.33	115.36
Russian River Projects Charge	15.79	13.92
<i>Total North Marin Water District Rate</i>	1,239.62	1,101.82
Total Overall Increase:	12.51%	
Total Estimated Annual Charge:	\$6,573,906	

2023 wholesale water rates per Acre-Foot



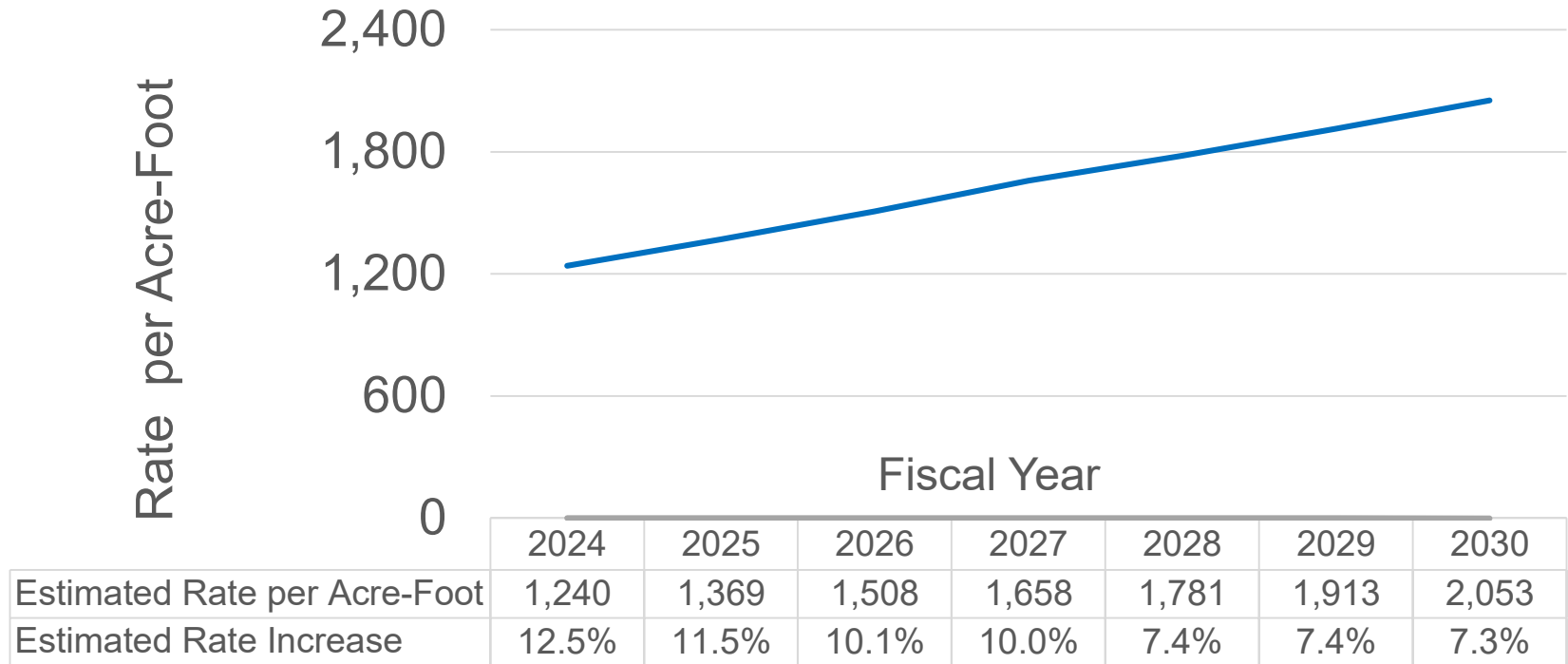
Long Range Financial Plan

Estimated \$250.5 Million in Projects to 2030

Water Contractors Each Pay a Share of these Estimated Costs	Estimated Costs (in Millions)
Hazard Mitigation Projects	51.1
Resiliency Projects	73.6
Maintenance Projects	124.0
Biological Opinion Dry Creek Habitat Enhancement	1.8

Long Range Financial Plan

Example North Marin Water District Rate Scenario



- Assumes Water Demand Growth of 1.5% based on 2020 Deliveries to 56,000 AF in 2035. Higher Deliveries would reduce rates.
- Assumes no Grant Funding. Grant Funding would reduce rates.



Sonoma
Water

Rates affected by Inflation, \$7 Million more in project costs annually compared to last fiscal year, and 3 years of Drought.

Next steps

- Presentations upon Request to City and Town Councils, and Water District Boards in March
- Water Advisory Committee Vote – April 3
- Adoption by Sonoma Water’s Board – April 18



**Sonoma
Water**

Lynne Rosselli

Administrative Services Division Manager

Lynne.Rosselli@scwa.ca.gov

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Finance Manager

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7



MEMORANDUM

To: Board of Directors Date: March 21, 2023
 From: Tony Williams, General Manager *TW*
 Julie Blue, Auditor/Controller *JB*
 Subject: Consulting Services Agreement for Compensation Study with Koff & Associates
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RECOMMENDED ACTION: Authorize General Manager to execute an agreement with Koff & Associates to conduct a Compensation Study.

FINANCIAL IMPACT: Up to \$49,525 (available in the current FY22/23 budget)

Background:

In December 2018, the North Marin Water District (NMWD) and the NMWD Employee Association executed a *Side Letter Agreement to the 2018-2023 NMWD/Employee Associate Memorandum of Understanding (MOU)* stipulating, "The District shall use the Board-approved methodology and criteria to conduct an updated salary survey" prior to the expiration of the agreement on September 30, 2023.

The District and Employee Association agree that the updated salary survey should consist of a comprehensive classification Compensation Study. This study would include both the represented and unrepresented classifications.

Objective

The objective of the comprehensive Compensation Study is for a qualified consultant to review the District's job classifications, relevant job descriptions, benefits offered, current salary schedules and compensation criteria to comparable agencies. The consultant is tasked with gathering and analyzing the data and providing a compensation study for all classifications. The compensation study will include median and mean salary for each position, and a combination of salary based on median and mean total compensation including benefits, pension contributions, Other Post-Employment Benefits (OPEB – retiree health), incentives, paid leaves, and other employee compensation to reflect total salary and benefits.

As part of the Compensation Study, a list of suggested comparator agencies will be reviewed for comparability based on organizational type and structure, demographics, cost of living, operational budgets, benefit elements, and public provided services, to ensure the applicability of comparator agencies and quality data for the compensation study.

Consultant Selection:

On February 17, 2023, a detailed request for Proposal (RFP) was developed and advertised on the District’s website to solicit interest from qualified firms. Proposals were due by March 10, 2023. A total of 3 proposals were received and evaluated by staff, led by Karen Clyde, HR/Safety Manager. The review was based on the following criteria: Personnel Qualifications, Experience of the Team, Project Approach, Project Schedule, Labor Hours and Rates, and Contract Compliance. The results of the ranking are provided below:

Consultant	Office Submitting	Overall Rank
Koff & Associates (a Gallagher Company)	Berkeley	1
Ralph Anderson & Associates	Rocklin	2
Bryce Consulting, Inc	Folsom	3

The highest ranked firm, Koff & Associates, provided the most comprehensive scope of services required for the project. Koff & Associates is an experienced Human Resources and Recruitment firm and has provided services to cities, counties, special districts and other public agencies for over 39 years. Compensation and Classification study clients include, Alameda County Water District, Contra Costa Water District, Marin Municipal Water District and Napa Sanitation Districts, all of which are included in our scope of comparable districts.

Consulting Agreement:

Staff recommends Koff & Associates to provide the required consulting services to complete the Compensation Study. Staff has thoroughly reviewed the attached proposal (Attachment 1), which includes a scope of services, cost proposal, and contractual considerations. Once approved, the terms of the contract will be further negotiated, including a review by District counsel, prior to execution of the agreement. The total fee for these tasks is estimated at a maximum of \$49,525. The cost of this study and as-needed services will be expended through the Consulting/Services and Studies budget as approved in the FY 22/23 Budget.

RECOMMENDATION

That the Board authorize the General Manager to execute an agreement with Koff & Associates for a Compensation Study not to exceed the fee of \$49,525.

ATTACHMENT: 1. Koff & Associates – Compensation Study Proposal dated March 10, 2023



Koff & Associates
A Gallagher Company

March 10, 2023

Compensation Study Proposal #CS2023

North Marin Water District

KOFF & ASSOCIATES, A GALLAGHER COMPANY

GEORG S. KRAMMER

Managing Director, Compensation and Rewards Consulting

2835 Seventh Street
Berkeley, CA 94710
www.KoffAssociates.com

georg_krammer@ajg.com
Tel: 510.658.5633
Fax: 510.652.5633

March 10, 2023

Ms. Karen Clyde
Human Resources Manager
999 Rush Creek Pl.
Novato, CA 94945

Dear Ms. Clyde:

Thank you for the opportunity to respond to your Request for Proposals for a **Total Compensation Study** for the **North Marin Water District** ("District"). We are most interested in assisting the District with this important study and feel that we are uniquely qualified to provide value to your organization based on our experience working with other cities, counties, special districts, joint-powers associations.

Koff & Associates, now a Gallagher company, is an experienced Human Resources and Recruitment Services firm providing human resources services to cities, counties, special districts, courts, educational institutions, and other public agencies for 39 years. The firm has achieved a reputation for working successfully with management, employees, and governing bodies. We believe in a high level of dialogue and input from study stakeholders and our proposal speaks to that level of effort. Our firm's extra effort has resulted in close to *100% implementation* of all our classification and compensation studies.

Koff & Associates ensures that each of our projects is given the appropriate resources and attention, resulting in a high level of quality control, excellent communication between clients and our office, commitment to meeting timelines and budgets, and a consistently high-caliber work product.

As a Managing Director of Koff & Associates, Katie Kaneko would assume the role of Project Director and be responsible for the successful completion of project. We can be reached at our Berkeley address and the phone number listed on the cover page. Katie's email is katie_kaneko@ajg.com and my email is georg_krammer@ajg.com

This proposal will remain valid for at least 90 days from the date of submittal. Please call if you have any questions or wish additional information. We look forward to the opportunity to provide professional services to the **North Marin Water District**.

Sincerely,



Georg S. Krammer
Managing Director, Compensation and Rewards Consulting



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FIRM QUALIFICATIONS

Koff & Associates (“K&A”) is a full-spectrum, public-sector human resources and recruitment services firm that was founded in 1984 by Gail Koff; K&A has been assisting special districts, cities, counties, other public agencies, and non-profit organizations with their human resources needs for 39 years.

On April 30, 2021, we merged with Arthur J. Gallagher and are now officially a Gallagher Division. Our headquarters are in Berkeley, CA, and we have satellite offices in Southern California, the Central Valley, the Sacramento Region, and the Western Region.

We are familiar with the various public sector organizational structures, agency missions, operational and budgetary requirements, and staffing expectations. We have extensive experience working in both union and non-union environments (including service as the management representative in meet & confer and negotiation meetings), working with City Councils, County Commissions, Boards of Directors, Boards of Supervisors, Boards of Trustees, Merit Boards, and Joint Power Authorities.

The firm’s areas of focus are classification and compensation studies (approximately 70% of our workload); executive search and staff recruitments; organizational development/assessment studies; performance management and incentive compensation programs; development of strategic management tools; policy/procedure development and employee handbooks; training and development; public agency consolidations and separations; Human Resources audits; and serving as off-site Human Resources Director for smaller public agencies that need the expertise of a Human Resources Director but do not need a full-time, on-site professional.

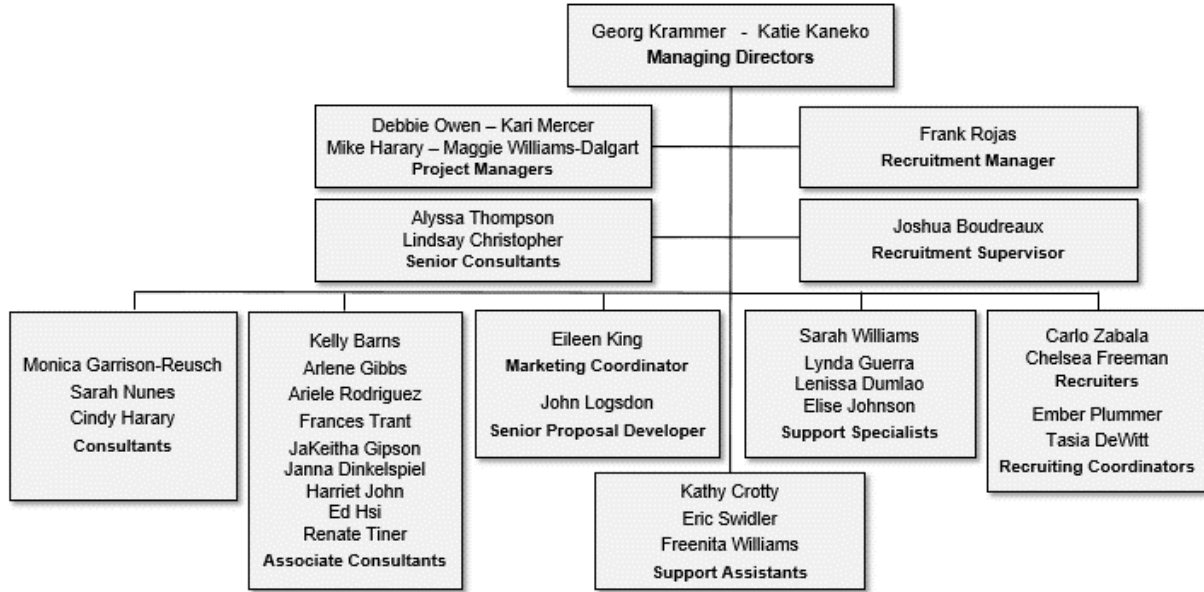
Without exception, all of our compensation studies have successfully met all of our intended commitments; communications were successful with employees, supervisors, management, and union representatives; and we were able to assist each agency in successfully implementing our recommendations. All studies were brought to completion within stipulated time limits and proposed budgets.

Our long list of clients (please see <https://koffassociates.com/our-clients/>) is indicative of our firm’s reputation as being a quality organization that can be relied on for producing comprehensive, sound, and cost-effective recommendations and solutions. K&A has a reputation for being “hands on” with the ability and expertise to implement its ideas and recommendations through completion in both union and non-union environments.

K&A relies on our stellar reputation and the recommendations and referrals of past clients to attract new clients. Our work speaks for itself and our primary goal is to provide professional and technical consulting assistance with integrity, honesty and a commitment to excellence. We are very proud of the fact that in working with hundreds of public agency clients and completing hundreds of classification and/or compensation and other types of studies, we have only had a handful of formal appeals in our entire history.



Our team consists of 35 employees as shown below in our organizational chart.



No subcontractors will be assigned to this study.

TEAM MEMBER QUALIFICATIONS

All members of our team have worked on multiple comprehensive total compensation studies and are well acquainted with the wide array of public sector organizational structures, compensation structures, classification plans, as well as the challenges and issues that arise when conducting studies such as this one for the District.

KEY PERSONNEL

Our project team will be led by Co-Project Directors Katie Kaneko (Managing Director) and Kari Mercer (Project Manager). They will coordinate all of K&A’s efforts, attend all meetings with the City, and be responsible for all work products and deliverables.

CONSULTANTS

Lindsay Christopher (Senior Consultant), Monica Garrison-Reusch (Consultant), Arlene Gibbs (Associate Consultant), Sarah Nunes (Consultant), Ariele Rodriguez (Associate Consultant), Janna Dinkelspiel (Associate Consultant), Renate Tiner (Associate Consultant) will conduct, compensation data collection and analysis, internal job analysis, develop recommendations and implementation strategies.

WORKLOAD

We currently have a team of 25 HR consultants and five administrative support staff – resources that we are able to pool based on each project’s needs, to execute projects and to meet clients’ needs and expectations. Each time we are selected as the successful bidder on a project, we strategize to determine project timelines, deliverable deadlines, and the resources that are required to produce the deliverables



as promised. We are poised to accommodate the District’s compensation study and plan to devote the necessary resources for the successful execution of the project.

Following are biographies of the specific staff who will be assigned to this study:

Catherine “Katie” Kaneko, C.P.A., P.H.R.
Managing Director, Compensation and Rewards Consulting

Katie is one of the two principals of Koff & Associates. She brings more than 25 years of management-level human resources and consulting experience to K&A. She has extensive experience in classification analysis and evaluation techniques, compensation, performance incentive programs, recruitment, and organizational studies.

Armed with her Bachelor of Business Administration degree, and as a CPA (Certified Public Accountant), Katie began her career in an international accounting/consulting firm. She transitioned into Human Resources within the firm to become the Human Resources Director of the San Francisco office. She next moved into the high-tech industry where she served in leadership positions for high-growth companies, startup firms, and organizations in transition. Katie then moved to the public sector, joining K&A in 2003 and has been the firm’s President since 2005; over the last 20 years, she has overseen hundreds of compensation, classification, organizational and other studies for cities, counties, and special districts throughout California.

Agencies for whom classification and/or compensation studies, or HR Services (such as organizational assessments, executive performance evaluations, succession planning studies, etc.) were led by Katie, as Project Director, during the last few years, include, but are not limited to, the following:

- **Cities and/or Towns:** Albany, Belmont, Benicia, Calistoga, Carmel, Coachella, Crescent City, Cupertino, Danville, Dinuba, East Palo Alto, Fairfield, Galt, Hayward, Hillsborough, Los Altos, Los Gatos, Madera, Manteca, Merced, Monterey, Moraga, Morgan Hill, Mt. Shasta, Newman, Novato, Pacific Grove, Pacifica, Palo Alto, Paradise, Piedmont, Redwood City, Rohnert Park, Sacramento, San Bruno, San Pablo, San Ramon, Santa Cruz, Santa Rosa, Seaside, Sonoma, Tracy, Tulare
- **Counties:** Butte, El Dorado, Humboldt, Mendocino, Merced, Placer, San Joaquin, San Mateo, Sonoma, Tuolumne, Yuba
- **Courts:** Superior Court of the County of Alameda, Superior Court of San Joaquin County
- **Education:** First Five Contra Costa, First Five Santa Clara, Hartnell College, Salinas Union High School District, Southwestern Community College District, Travis Unified School District
- **State:** California State Compensation Insurance Fund; California State Auditor’s Office
- **Other:** Municipal Pooling Authority, Public Agency Risk Sharing Authority of California
- **Special Districts:**
 - Open Space Districts: Midpeninsula Regional Open Space District, Santa Clara Valley Open Space Authority, Sonoma County Agricultural Preserve and Open Space District.
 - Park and Recreation Districts: Livermore Area Recreation and Park District, Mendocino Coast Recreation & Park District,
 - Air Quality: Bay Area Air Quality Management District
 - Community Services District: Cosumnes Community Services District, Discovery Bay Community Services District, Groveland Community Services District, Rancho Murieta Community Services District, Town of Discovery Bay CSD



- Fire and Police Protection: Central Fire District of Santa Cruz County, East Contra Costa Fire Protection District
- Housing/Economic Development: Oakland Housing Authority
- Public Utilities: Northern California Power Agency
- Retirement: Contra Costa County Employees' Retirement Association, Retirement Office of City of San José
- Solid Waste: Alameda County Waste Management Authority, Humboldt Waste Management Authority, Monterey Regional Waste Management District, Salinas Valley Solid Waste Authority
- Transportation: Alameda Contra Costa Transit District, San Francisco County Transportation Authority, Solano Transportation Authority
- Wastewater: Castro Valley Sanitary District, Central Contra Costa Sanitary District, Dublin San Ramon Services District, East Palo Alto Sanitary District, Encina Wastewater Authority, Fairfield Suisun Sewer District, Las Gallinas Sanitary District, Monterey Regional Water Pollution Control Agency, Mt. View Sanitary District, Vallejo Flood and Wastewater District, West Valley Sanitation District
- Water: Alameda County Water District, Coastside County Water District, Indian Wells Valley Water District, North Coast County Water District, Santa Clara Valley Water District, Valley County Water District, Zone 7 Water Agency

Katie will be key personnel and serve as the Co-Project Director for this project; she will coordinate all of K&A's efforts, will attend all meetings with the District, and will be responsible for all work products and deliverables.

Kari Mercer, SPHR
Project Manager

Kari's professional qualifications include over 13 years of experience in the Human Resources field, including work in classification and compensation, employee relations, and recruitment and examination. Her experience includes both private and public sector Human Resources work for the County of Madera, County of Fresno, and Macy's. She gained experience in classification and compensation, labor relations, MOU administration, policy development and administration, recruitment and examination, and general human resources administration.

As a Human Resources Consultant for another private human resources consulting firm she specialized in conducting classification and compensation studies for multiple public sector agencies, such as: Cities of Anaheim, Concord, Palmdale, Redding; Counties of Lake, Madera, Monterey, and Sacramento; and special districts such as: California Joint Powers Risk Management Authority, East Bay Regional Park District, Elk Grove Water District, San Diego Association of Governments, San Francisco Municipal Transportation Agency, and Ventura Regional Sanitation District. Additionally, Kari has consulted for out-of-state clients in Maryland, New Mexico, and Texas.

Since joining Koff & Associates, Kari has worked on a wide variety of classification and compensation projects for the following agencies:

- **Cities/Towns:** Anaheim, Arroyo Grande, Atascadero, Belmont, Hayward, Madera, Manteca, Merced, Milpitas, Oakland, Perris, Pleasant Hill, Redwood City, San Pablo, Santa Clara, Saratoga, Seal Beach, Seaside, Tracy, Vallejo
- **Counties:** El Dorado, Fresno, Humboldt, Merced, Monterey, Orange, San Joaquin



- **Special Districts:** Coachella Valley Public Cemetery District, Cosumnes Community Services District, First 5 of Alameda County, Foothill-DeAnza Community College District, Housing Authority of the City of Santa Barbara, Housing Authority of the County of San Bernardino, Livermore Area Recreation and Park District, Mendocino Coast Recreation and Park District, Port of Oakland, Orange County Fire Authority, Santa Clara County Housing Authority, Superior Court of California-Kern County, Sweetwater Authority, Travis Unified School District, Truckee Sanitary District, West Valley Mission Community College District, Valley County Water District

She earned her B.S. degree in Business Administration with an emphasis on Human Resources Management at California State University, Fresno and is a certified Senior Professional in Human Resources (SPHR). Kari serves as a Personnel Commissioner for the City of Clovis and is a member of Central California SHRM.

Kari will provide managerial project support throughout this effort, including classification analysis, interviews with employees and management, compensation data collection and analysis, internal job analysis, development of recommendations, and implementation strategies.

Lindsay Christopher
Senior Consultant

Lindsay's professional qualifications include ten years of experience working in the public sector, mostly with Alameda County. In her role as Human Resources Analyst, she was responsible for classification and compensation projects, as well as recruitment and selection, in a Civil Service, merit-based, environment. Mostly recently, she continued to focus on classification and compensation projects at East Bay Regional Park District.

Since joining K&A, Lindsay has worked on studies for the following:

- **Cities:** Gardena, Hemet, Milpitas, Tracy, Corona, Seattle (Library), Napa
- **Counties:** Humboldt
- **Special Districts:** Contra Costa County Employees' Retirement Association, Greater LA County Vector Control District, Orange County Sanitation District, Purissima Hills Water District, Marin Municipal Water District, Housing Authority of the City of Santa Barbara, Tri-City Mental Health Authority, Victor Valley College, Buena Park Library District, East Bay Regional Park District, Tualatin Hills Park and Recreation District, Valley Water, San Luis and Delta Mendota Water Authority

A Bay Area native, Lindsay earned her B.A. degree in Sociology with a concentration in Criminology from San Jose State University.

Lindsay will provide Senior H.R. Associate support throughout this effort, including classification analysis, interviews with employees and management, compensation data collection and analysis, internal job analysis, development of recommendations, and implementation strategies.

Monica Garrison-Reusch, B.A., M.B.A.
Consultant

Monica has over 15 years of human resource program experience, all of which have been spent serving as either a team consultant or project manager on projects working with public sector agencies. Monica's



primary professional focus over the last several years has been on classification and compensation practices.

Prior to joining K&A, Monica performed classification and compensation consulting services as either a team member or project manager on varied projects including large scale studies done for the Counties of Madera, Sacramento, Bernalillo (in New Mexico), and the California State Department of Personnel Administration. Monica also developed and served as a Co-Trainer for a two-day course on Classification and Compensation.

Monica's depth of experience allows her to provide a broad range of human resources services to public agencies. She specializes in compensation projects focusing on both base salary and total compensation analysis studies. Monica has also worked on project teams conducting classification studies and organizational analysis, including performing the full range of classification analysis and conducting in-depth survey and analysis of organizational structures and past organizational practices.

Since joining K&A, Monica has worked on studies for the following clients:

- **Cities:** Cotati, Crescent City, Pleasant Hill, Sacramento, Vallejo
- **Counties:** El Dorado, Mendocino, Monterey, Trinity
- **State:** California State Auditor's Office
- **Special Districts:** AC Transit, Cosumnes Community Services District, East Bay Municipal Utility District, Eastern Municipal Water District, El Dorado County Transit Authority, First 5 Contra Costa County, First 5 Santa Clara County, Hayward Area Recreation and Park District, Livermore Amador Valley Transit Authority, Mendocino Coast Rec and Park District, Mojave Water Agency, North Tahoe Public Utility District, Orange County Transportation Authority, State Water Contractors, Trabuco Canyon Water District

She earned an MBA with an emphasis in Marketing at Golden Gate University and a Bachelor of Science in Business Administration from the University of Southern California.

Monica will provide Senior H.R. Associate support for this project, including interviews with employees and management, compensation data collection and analysis, internal job analysis, development of recommendations, and implementation strategies.

Arlene Marks Gibbs, BS, MPA, SPHR, IPMA-CP
Associate Consultant

Arlene Gibbs possesses over thirty years of Human Resources management experience including spending over twenty years in the public sector working for both large and small education, municipal and special district organizations in California.

Her public sector experience includes serving as the Chief Human Resources Officer for San Diego State University which is the largest California State University campus with over 6,700 faculty and staff. While at San Diego State, Arlene led the HR Directors Committee for the 23 campus system of HR service delivery. Her experience also includes senior and executive HR management roles with several small and large public agencies including the City of San Jose, the City of Tustin as well as air and water/wastewater special districts.

Arlene's experience includes all facets of Human Resources, Employee & Labor Relations. She is an experienced labor contract negotiator having negotiated many public sector labor agreements while



serving as the Chief Spokesperson/Labor Negotiator. In addition, her experience includes managing recruitment and selection processes for all types of public sector positions, handling employee benefits functions, responding to labor and employee relations issues, coordinating classification and compensation studies, complying with labor laws, conducting personnel investigations, and managing a wide variety of general human resources functions.

Arlene holds a Masters' Degree in Public Administration from California State University Northridge and a Bachelor of Science Degree in Business Administration with an emphasis in Labor Relations from California State University Long Beach. She also is certified as an IPMA-CP and as a Senior Professional in Human Resources (SPHR).

Arlene has also led and participated in local, regional as well as statewide efforts in small and large agencies with the League of California Cities, IPMA as well as serving as a resource for City, County, State and Local Boards, Councils, Committees and Commissions.

Some of the K&A classification and compensation projects Arlene has worked on include but are not limited to:

- **Cities/Counties/Towns:** County of Butte, City of Bellflower, City of Concord, City of Cupertino, Humboldt County, City of Los Altos, Town of Los Altos Hills, and the City of Pinole.
- **Special Districts:** Dublin San Ramon Services District, Garfield County Public Library District (CO), Coachella Valley Water District, Foothill De Anza Community College District, and the Los Angeles County Development Authority.

Sarah Nunes, M.A.

Consultant

Sarah's professional qualifications include over 19 years of public sector experience with the Human Resources Department of the City of San José. Starting at the analyst level and eventually rising to Division Manager, she gained experience in recruitment and selection, classification and compensation, and general human resources administration.

Since joining Koff & Associates in 2017, Sarah has worked on Classification and Compensation studies for the following agencies:

- **Cities/Towns:** Antioch, Calistoga, Campbell, Concord, Laguna Beach, Los Gatos, Milpitas, Monte Sereno, Newport Beach, Palo Alto, Perris, Piedmont, Rio Dell, San Diego, San Mateo, Santa Cruz, Saratoga
- **Special Districts:** Central Fire Protection District of Santa Cruz, Housing Authority of the County of Alameda, Local Agency Formation Commissions of Santa Clara and Sonoma County, Metropolitan Transportation Commission, Napa Sanitation District, Ojai Valley Sanitary District, Orange County Fire Authority, San Francisco Bay Area Water Emergency Transportation Authority ("WETA"), Santa Clara Valley Open Space Authority, Santa Clara Valley Water District, West Valley Sanitation District

Sarah earned her B.A. degree in Anthropology from Beloit College, in Wisconsin, and was awarded her M.A. in Anthropology from California State University, in Chico.



Sarah will provide H.R. Associate support for this project, including interviews with employees and management, compensation data collection and analysis, internal job analysis, development of recommendations, and implementation strategies.

Ariele Rodriguez, M.A.
Associate Consultant

Ariele has eighteen years of public and private-sector human resources and management work experience including seven years as a project consultant performing base and total compensation studies for CPS HR Consulting. Her work experience includes compensation, classification, employee relations, labor relations, performance management, management training, adult education/college instruction, and conducting workplace investigations.

Since joining K&A in August of 2020, Ariele has worked on the following classification and/or compensation projects:

- **Cities/Towns**: Santa Rosa

Prior to joining K&A, Ariele worked on base or total compensation projects for the following agencies:

- **Cities/Towns**: Anaheim, Bell, Carson, Commerce, El Segundo, Half Moon Bay, Henderson, Hercules, Lancaster, Livingston, Millbrae, Murphy (TX), Oakland, Ontario, Palmdale, Perris, Redding, Richland Hills (TX), Rio Dell, Riverside, Sacramento, San Jose, San Luis (AZ), Santa Ana, Santa Clarita, Stockton, Tehachapi, Thousand Oaks,
- **Counties**: Del Norte, Fresno, Imperial, Lake, Madera, Marion, Monterey, Montgomery, North, Placer, Sonoma, Ventura
- **Special Districts**: Alameda County Superior Court, California Department of Corrections and Rehabilitation, California Department of Public Health, CAL FIRE, CalVans, Central California Alliance for Health, Department of Transportation, Department of Water Resources, East Bay Regional Park District, Elk Grove Water District, Hayward USD, Hidden Valley Lake CSD, High Speed Rail, Kern Superior Court, Kings County Firefighters Assoc, LA County Sanitation, LACERA, Lakeside USD, League of CA Cities, Las Virgenes MWD, Merced USD, Montgomery College, Merit System Protection Board (MD), North County Transit District, Orange County Transportation Agency, CA Public Employment Relations Board, Rio Linda Elverta CWD, Sacramento Superior Court, Sacramento Area Flood Control Agency, San Diego Association of Governments, Santa Ana Water Resources, Sacramento Municipal Utilities District, Stanislaus Superior Court, CA State Bar, Ventura Regional Sanitation District, Western Area Power Administration

Prior to joining K&A, Ariele performed full cycle recruiting for a large state-funded social services agency for six years. In this time, she screened, interviewed, hired, and performed onboarding duties for over 200 employees at all levels from clerical to executive. Additionally, she performed employee relations and labor relations work, conducted internal investigations, created and presented management training, wrote and delivered adverse employment actions, and served as liaison to the local SEIU chapter.

Ariele earned her B.A. degree in Interpersonal and Small Group Communication Studies and M.A. degree in Organizational and Instructional Communication Studies from California State University, Sacramento. She holds the HR professional certification SHRM-CP and is certified in Basic Mediation Skills.



Arielle will provide H.R. Associate support for this project, including interviews with employees and management, compensation data collection and analysis, internal job analysis, development of recommendations, and implementation strategies.

Janna Dinkelspiel
Associate Consultant

Janna Dinkelspiel came to Koff & Associates in August 2022 with over 15 years' experience in private and public sector human resources. Most recently Janna was a Senior Employee Relations Analyst in a municipality where she gained well rounded experience in recruitment and retention, employee relations, labor relations, policy development, performance management, training and development and classification and compensation. Janna was the City's subject matter expert for classification and compensation while conducting and implementing three large-scale compensation studies for the City, as well as assisting the executive team with creation of a compensation policy.

Janna has a degree in Business Administration from the University of Washington and holds a Senior Professional Human Resources Certificate from HRCI.

Renate Tiner, B.Sc.
Associate Consultant

Renate's professional qualifications include five years of both non-profit and private sector Human Resources experience. Starting in Human Resources administration and rising into Human Resources management, she gained experience in full-cycle recruitment, orientation and on-boarding, Health and Safety, Worker's Compensation, licensing and accreditation, policy development, and general Human Resources administration.

Since joining Koff & Associates in 2017, Renate has worked on Classification and Compensation Studies for the following agencies:

- **Cities:** Bellflower, Concord, Cupertino, El Monte, Hillsborough, Los Altos, Mt. Shasta, Piedmont, Rohnert Park, San Diego, Sausalito, West Sacramento
- **Special Districts:** Alameda County Transportation Commission, Bay Area Water Supply and Conservation Agency, Eastern Municipal Water District, Dublin-San Ramon Services District, Foothill-De Anza Community College District, Groveland Community Services District, Los Angeles County Employees Retirement Association, Metropolitan Transportation Commission, Midpeninsula Regional Open Space District, Port of Long Beach, Riverside Community College District, and San Joaquin County Superior Court

Renate earned her B.Sc. degree in Psychology from the University of Northern British Columbia, in Prince George BC, Canada. She was a Canadian Human Resource Professional (CHRP) Candidate before moving to the United States.

She will provide H.R. Associate support throughout this effort, including classification analysis, interviews with employees and management, compensation data collection and analysis, internal job analysis, development of recommendations, and implementation strategies.



REFERENCES

Agency & Project	Contact
<p>Alameda County Water District</p> <p>Organizational Review, completed in 2015 and 2016.</p>	<p>Mr. Robert Shaver General Manager (510) 668-4211 43885 S. Grimmer Blvd. Fremont, CA 94538 Robert.Shaver@acwd.com</p>
<p>Bay Area Water Supply & Conservation Agency</p> <p>Total Compensation Study, completed in 2018 and 2020. Classification Study of Sr. Admin. Analyst, completed 2017. Classification and Compensation Studies, completed in 2007, 2008, 2010, 2013, 2015, and 2016.</p>	<p>Ms. Deborah Grimes Office Manager (650) 349-3000 155 Bovet Road, Suite 302 San Mateo, CA 94402 DGrimes@bawsca.org</p>
<p>Calaveras County Water District</p> <p>Total Compensation Study, completed 2019 Classification and Total Compensation Study, completed 2004.</p>	<p>Ms. Stacey Lollar Director of HR (209) 754-3015 120 Toma Court, San Andreas, CA 95249 staceyl@ccwd.org</p>
<p>Coastside County Water District</p> <p>Classification and Compensation Study, completed 2017.</p>	<p>Ms. Mary Rogren Assistant General Manager (650) 726-4405 766 Main St. Half Moon Bay, CA 94019 mrogren@coastsidewater.org</p>
<p>Contra Costa Water District</p> <p>Classification Study, anticipated to complete 2021.</p>	<p>Ms. Kristen Cunningham Director of People & Culture 925-688-8172 1331 Concord Ave. Concord, CA 94520 kcunningham@ccwater.com</p>
<p>East Valley Water District</p> <p>Classification and Compensation Study, 2021 Comprehensive Classification and Compensation Study, completed 2015. Included Organizational Review and Performance Management Training.</p>	<p>Ms. Kerrie Bryan Human Resources/Risk and Safety Manager (909) 806-4087 31111 Greenspot Road Highland, CA 92346 kbryan@eastvalley.org</p>
<p>Marina Coast Water District</p> <p>Limited Classification and Compensation Study (35 employees, 9-10 classes), completed 2018. District-wide Classification and Total Compensation Study, completed 2012.</p>	<p>Ms. Rose Gill Human Resources/Risk Administrator (831) 883-5927 11 Reservation Road Marina, CA 93933-2099 rgill@mcwd.org</p>



Marin Municipal Water District Classification and Compensation Study, 2019. Various Recruitment work since 2019. Flex Staffing Classification Study, 22021.	Ms. Vikkie Garay Human Resources Manager (415)945-1430 220 Nellen Avenue Corte Madera, CA 94925 vgaray@marinwater.org
Mid-Peninsula Water District Classification Study, completed 2017. Total Compensation Studies, completed 2010, 2014, 2016, 2017 and 2018. Several Classification and Compensation Studies, completed between 2006 and 2010.	Ms. Tammy Rudock General Manager (650) 591-8941 3 Dairy Lane Belmont, CA 94002 tammyr@midpeninsulawater.org
Napa Sanitation District Districtwide Classification Study, completed 2017. Ongoing since 1998: Class and Comp Studies; Policy Procedures, Employee Handbook, Recruitment efforts, HR Assistance.	Ms. Cheryl Schuh Human Resources Officer (707) 258-6003 1515 Soscol Ferry Road Napa, CA 94559 cschuh@napasan.com
North Coast County Water District Total Compensation Study, completed 2021. Compensation Study, completed 2016.	Ms. Stephanie Dalton Management Analyst II (650) 355-3462 2400 Francisco Blvd. Pacifica, CA 94044 stephaniedalton@nccwd.com
Zone 7 Water Agency Compensation Study, completed 2017. Org Study with Succession Planning, completed 2017.	Mr. Osborn Solitei Assistant General Manager (925) 454-5043 100 North Canyons Parkway Livermore, CA 94551 osolitei@zone7water.com



EXECUTIVE SUMMARY, APPROACH, METHODOLOGY

The District desires human resources assistance to conduct comprehensive total compensation study. The study will include introductory research, development of comparable comprehensive compensation survey and a review of the District's salary scale.

The study will include members of the Employee Associations. A total of 55 full-time employees of which 48 employees are represented by the EA and 7 employees are unrepresented. The unrepresented classifications are the Operations/Maintenance Superintendent, Construction/Maintenance Superintendent, Human Resources & Safety Manager, Auditor/Controller, Executive Assistant/District Secretary, Assistant General Manager/Chief Engineer and the General Manager. The District is a participant of the California Public Employees' Retirement System (CalPERS).

The goal of the study will be to review the District's compensation structure for the studied classifications and to conduct a compensation market survey using a set of appropriate comparator agencies. The identification of comparator agencies, benchmark classifications, and benefits to be collected (if total compensation is desired) is an iterative process that includes all stakeholders. We have found this open discussion philosophy to be critical to our success for organizational buy-in. Once the external data development is completed, we will make specific recommendations for internal equity for non-benchmarked classifications and classifications without a large enough market sampling.

The compensation study will contain specific recommendations regarding the integration of all study classifications into the District's compensation structure, with the goal of developing a clearly designed, internally equitable format that is flexible for career opportunity and future growth. Our study will make recommendations regarding a salary structure that takes the District's compensation preferences into consideration as well as the appropriate placement of each classification on the District's salary schedule.

The study includes a significant number of meetings with the Study Project Team, Human Resources, employees, union representation, and the District's Board of Directors, as desired. We have expertise in labor/management relations and understand the importance of active participation by all stakeholders to ensure a successful outcome. The meetings and "stakeholder touch-points" that we recommend ensure understanding of the project parameters, enhance accurate intake and output of information, and create a collaborative and interactive approach resulting in greater buy-in for study recommendations. This interactive approach has resulted in almost 100% implementation success of K&A's studies.

The majority of our clients are unionized and our larger city and county clients typically have multiple unions. Due to the multitude of stakeholder groups who are affected by any compensation study K&A conducts, our team understands the importance of accurate and validated data that withstands any scrutiny, effective and ongoing communication throughout each effort, and collaboration with the various stakeholder groups to ensure organizational buy-in to our findings and recommendations. We have developed a unique methodology of stakeholder "touchpoints" and collaboration that has made us highly successful and effective and has earned our team respect, agreement, and understanding from all stakeholders. In addition, we adjust and customize our methodology based on each individual client's unique needs and circumstances.

We also recognize that both the District and union representatives have obligations to employees and members to ensure that any study is conducted in a fair and equitable manner. Our project work plans are designed for transparency and we strongly encourage dialog with all stakeholders on study



deliverables so they in turn can express their concerns; we all have a shared goal of ensuring the process followed is fair and equitable.

This intense and comprehensive stakeholder engagement and our transparent study processes are also a mechanism of quality control. The fact that our information, data, and recommendations have to be able to withstand utmost scrutiny by diverse stakeholders require an in-depth multi-step quality control process for deliverables. This involves K&A team member validation of classification analyses and compensation data, K&A Project Manager review of all classification and compensation analyses, recommendations and deliverables, and finally K&A Principal (Project Director) review of deliverables before submittal to the client.

Study Objectives

Compensation Objectives:

- To make recommendations regarding a list of appropriate, logical and defensible comparator agencies, benchmark classifications, and benefits to be collected prior to beginning the compensation portion of the study;
- To collect accurate salary and benefit data from the approved group of comparator agencies and to ensure that the information is analyzed in a manner that is clear and comprehensible to the Study Project Team, Human Resources, management, employees, union representation, and the Board;
- To carefully analyze the scope and level of duties and responsibilities, requirements for successful work performance, and other factors for survey classes, according to generally accepted compensation practices;
- To review the District's compensation structure and practices and develop compensation recommendations that will assist the District in recruiting, motivating, and retaining competent staff;
- To develop solutions that address pay equity issues, analyze the financial impact of addressing pay equity issues, and create a market adjustment implementation strategy supporting the District's goals, objectives, and budget considerations;
- To evaluate benefit offerings in the labor market and make recommendations for better alignment and/or different benefit offerings as indicated by the analysis and best practices;
- To create a comprehensive final report summarizing the compensation study approach and methodology, analytical tools, findings, and recommended compensation structure;
- To recommend appropriate internal salary relationships and allocate classes to salary ranges in a comprehensive salary range plan; and
- To ensure sufficient documentation and training throughout the study, on methods used to determine appropriate salary ranges, methods for logical progression of movement within the salary scale for each classification, and other practices, so that our recommendations can be implemented and maintained in a competent and fair manner.

Overall Objectives:

- To review and understand all current documentation, rules, regulations, policies, budgets, procedures, class descriptions, organizational charts, memoranda of understanding,



personnel policies, wage and salary schedules, and related information so that our recommendations can be operationally incorporated with a minimum of disruption;

- To conduct start-up Study Project Team meetings with management, study project staff, and other stakeholders to discuss any specific concerns with respect to the development of compensation recommendations; finalize study plans and timetables; conduct orientation sessions with management, union leadership, and staff in order to educate and explain the scope of the study and describe what are and are not reasonable study expectations and goals;
- To work collaboratively and effectively with the District and its stakeholders while at the same time maintaining control and objectivity in the conduct of the study;
- To develop a compensation structure that meets all legal requirements, that is totally non-discriminatory, and that easily accommodates organizational change, growth, and operational needs;
- To document all steps in the process and provide documentation and training for Human Resources and other staff, as appropriate, in compensation analysis methodologies so that the District can integrate, maintain, administer, and defend any recommended changes after the initial implementation; and
- To provide effective ongoing communications throughout the duration of the project and continued support after implementation.

Methodology / Work Plan / Deliverables

Given these parameters, our approach is as follows:

TOTAL COMPENSATION STUDY

Deliverable A: Meetings with Study Project Team and Management Staff and Initial Documentation Review

During the initial meeting with the Study Project Team, we will discuss the compensation study factors that need to be agreed upon. This task includes identifying the District's Study Project Team (Human Resources, management, employee representation, etc.), contract administrator, and reporting relationships. Our team will conduct an orientation and briefing session with the Study Project Team to explain process and methodology; create the specific work plan and work schedule; identify subsequent tasks to be accomplished; reaffirm the primary objectives and specific end products; determine deadline dates for satisfactory completion of the overall assignment; determine who will be responsible for coordinating/scheduling communications with employees, managers, and other stakeholders; and develop a timetable for conducting the same.

Included in this task will be the gathering of written documentation, identifying current incumbents, and assembling current class descriptions, organizational charts, salary schedules, budgets, employment contracts, personnel policies, previous compensation studies, and any other relevant documentation to gain a general understanding of District operations.

District terminology and methods of current compensation procedures will be reviewed and agreed to. We will discuss methodology, agree to formats for compensation results, identify/confirm appropriate comparator agencies, benchmark classifications and benefits to be surveyed for compensation survey purposes. We will respond to any questions that may arise from the various stakeholders.



Deliverable B. List of Comparator Agencies, Benchmark Classifications, and Benefits to be Collected

During the initial meeting with the Study Project Team, we will discuss and agree to the compensation study factors. We will identify/confirm appropriate, logical and defensible comparator agencies that will be included in the external market survey, which will be the foundation for ensuring that the District's salaries for the studied classifications are competitively aligned with the external labor market. We will also identify/confirm those classifications that will be surveyed in the market (i.e., benchmark classifications), with the intention of internally aligning the remaining classifications with those that were surveyed.

Finally, we will determine the list of benefits that the District wants to include in the total compensation data gathering process.

1. Determination of Comparator Agencies

The determination of comparator agencies is a critical step in the study process. Per the RFP, the District has a current pre-defined list of 14 comparator agencies that we will survey. It is understood that the District wishes the consultant to review the comparative agencies as they relate to North Marin Water District's demographics, cost of living, financials, benefit elements, and public provided services to ensure the applicability of comparator agencies and quality data for the compensation study. The 14 include: Alameda County Water District, Central Marin Sanitation Agency, City of Napa, City of Petaluma, City of Santa Rosa Water Department, City of Vallejo Water Department, Contra Costa Water District, East Bay MUD, Las Gallinas Valley Sanitary District, Marin County, Marin Municipal Water District, Napa Sanitation District, Novato Sanitary District and Sonoma County Water Agency.

The selection of comparator agencies is a critical step in the study process. We typically use the following factors to identify appropriate comparators and will receive approval before proceeding with the total compensation study.

Our recommended methodology is that we involve management, Human Resources, employee representation, and the Board, in the decision-making process of selecting which comparable agencies are included, **PRIOR** to beginning the study. Our experience has shown that this is the most successful approach. The factors that we typically review when selecting and recommending appropriate comparator agencies include:

- **Organizational type and structure** – While various organizations may provide overlapping services and employ some staff having similar duties and responsibilities, the role of each organization is somewhat unique, particularly in regard to its relationship to the citizens it serves and level of service expectation. During this iterative process, the District's current/previous list of comparators, and the advantages/disadvantages of including them or others would be discussed.
- **Similarity of population served, District demographics, District staff, and operational budgets** – These elements provide guidelines in relation to resources required (staff and funding) and available for the provision of services.
- **Scope of services provided** – While having an organization that provides all of the services at the same level of citizen expectation is ideal for comparators, as long as the *majority* of services are provided in a similar manner, sufficient data should be available for analysis. When reviewing this factor, the District's unique services would be evaluated in order to



- ensure that the majority of comparators provide the same services. This ensures that each comparator yields a sufficient number of matches for the District's jobs.
- **Labor market** – The reality of today's labor market is that many agencies are in competition for the same pool of qualified employees, because large portions of the workforce don't live in the communities they serve, are accustomed to lengthy commutes, and are more likely to consider changing jobs in a larger geographic area than in the past. Therefore, the geographic labor market area (where the District may be recruiting from or losing employees to) is taken into consideration when selecting potential comparator organizations. As part of this analysis, we will determine whether the District has identified agencies that it competes with for qualified talent; those agencies are taken into consideration for purposes of our analysis. It is important to understand and consider the District's competitive landscape and include agencies in the study to whom the District loses talent.
 - **Cost-of-living** – The price of housing and other cost-of-living related issues are some of the biggest factors in determining labor markets. We review overall cost-of-living of various geographic areas, median house prices, and median household incomes to determine the appropriateness of various potential comparator agencies.

We typically recommend using 10-12 comparator agencies for all survey benchmarks in order to achieve statistical significance but are flexible and can easily use a different approach based on the District's preferences.

2. Determination of Benchmark Classifications

In the same collaborative manner as described in Step 1 above, we will work with the District's stakeholders to select those classifications that will be surveyed.

"Benchmark classes" are ordinarily chosen to reflect a broad spectrum of class levels. In addition, those that are selected normally include classes that are most likely to be found in other similar agencies, and therefore provide a sufficient valid data sample for analysis. Internal relationships will be determined between the benchmarked and non-benchmarked classifications and internal equity alignments will be made for salary recommendation purposes. Due to the fact that the labor market typically yields reliable data, we recommend using approximately 60-65% of all classifications as benchmarks but we are happy to use a different model.

Due to the District's size and the number of classifications, we will most likely survey majority of them. The exception may be those classifications that have multiple levels, such as I/II/III or Assistant/Associate/Senior etc., for which we would typically only survey the journey-level and internally align the other levels of the class series. We are happy to discuss our methodology with the District if we are selected to perform this project.

3. Determination of Salary and Benefits Data to Be Collected

Per the RFP we understand the benefits are to include but not be limited to:

- Salary
- CalPERS retirement formula, and/or other retirement plans contributions and OPEB.
- Medical benefits
- Dental benefits
- Vision benefits
- Life, STD, LTD, AD&D & EAP Benefit



- Incentives and certification pay
- Tuition
- Auto Allowance
- Sign on/Retention Bonus/Other Bonuses

Other benefits including but not limited:

- On-call/stand-by pay
- Graveyard/Swing shift
- Work out of class pay
- Longevity pay
- Paid leaves
- Next increase date and percentage; status on Employee Association agreement
- Remote work options and remote work compensation (optional)
- Wage impacted by remote work (optional)
- Deferred Compensation and/or match

Deliverable C. Data from Comparators and Preliminary Analysis of Data

K&A does not collect market compensation data by merely sending out a written questionnaire. We find that such questionnaires are often delegated to the individual in the department with the least experience in the organization and given a low priority. Our experienced compensation analysts conduct all of the data collection and analysis to ensure validity of the data and quality control. This approach also ensures that we compare job description to job description and not just job titles, therefore ensuring true “matches” of at least 70%, which is the percentage we use to determine whether to include a comparator classification or not.

Objective factors in the whole position job analysis methodology include:

1. Decision making/judgment
2. Difficulty and complexity of work
3. Supervisory responsibilities
4. Non-supervisory responsibilities
5. Minimum qualifications
6. Working conditions/risk factors
7. Contacts

We typically collect classification descriptions, organization charts, salary schedules, personnel policies, budgets, master plans, operational information, MOUs, and other information via website, by telephone, or by an onsite interview. With the prior knowledge from the data gathered directly from each comparator agency and our experience in the public sector human resources field, our compensation analysts make preliminary “matches” and then schedules appointments by telephone, or sometimes in person, with knowledgeable individuals to answer specific questions. We find that information collected using these methods has a very high validity rate and allows us to substantiate the data for employees, management, and governing bodies.

Data will be entered into spreadsheet format designed for ease of interpretation and use. The information will be presented in a format that will identify the comparator positions used for each classification comparison. Information will be calculated based upon both average and median figures allowing the District to make informed compensation decisions. Other elements of the compensation survey report



are agencies surveyed; comparable class titles; salary range maximum/control point; number of observations; and percent of the District's salary range is above/below the market values.

In addition, we will include any type of statistical representation and analysis that the District desires such as 60th, 70th, or any other percentiles per the District's compensation philosophy.

Benefits data will be displayed in an easy-to-read format. You will receive three sets of spreadsheets per classification, one with base pay, one with the benefits detail, and one with total compensation statistical data. In addition, we are often asked to collect "other" benefits (as listed in the benefits section above), which we typically report on a separate spreadsheet.

Deliverable D. Draft Compensation Findings/Additional Analysis/Study Project Team Meetings

As part of our transparent approach and communication strategy to ensure organizational buy-in to the study, we share the market survey with the organization. We first distribute our draft findings to the Study Project Team. After their preliminary review, K&A will meet with the Study Project Team and other stakeholders (including Human Resources, management, employees, and their representatives) to clarify data, to receive requests for reanalysis of certain comparators, and to answer questions and address concerns. This provides an opportunity for the Study Project Team and other stakeholders to review and question any of our recommended benchmark comparator matches. If questions arise, we conduct follow-up analysis to reconfirm our original analysis and/or make corrections as appropriate.

Deliverable E. Analysis of Internal Relationships and Alignment

To determine internal equity for all studied positions, considerable attention will be given to this phase of the project. It is necessary to develop an internal position hierarchy based on the organizational value of each classification. Again, we utilize the whole position analysis methodology as described earlier.

By reviewing those factors, we will make recommendations regarding vertical salary differentials between classes in a class series, for example, as well as across departments. This analysis will be integrated with the results of the compensation survey and the District's existing compensation plan.

The ultimate goal of this critical step in the process is to address any potential internal equity issues and concerns with the current compensation system, including compaction issues between certain classifications. We will create a sound and logical compensation structure for the various levels within each class series, so that career ladders are not only reflected in the classification system but also in the compensation system, with pay differentials between levels that allow employees to progress on a clear path of career growth and development. Career ladders will be looked at vertically, as well as horizontally, to reflect the District's classification structure.

Deliverable F. Compensation Structure and Recommendation Development

Depending on data developed as a result of the internal analysis, we will review and make recommendations regarding internal alignment and the salary structure (set of salary ranges, salary differentials, steps within ranges, and/or alternative compensation plans) within which the classes are allocated, based upon the District's preferred compensation model. In addition, we will develop externally competitive benefit comparisons for all classifications. We will also assist the District in developing a compensation philosophy and practices relative to the surveyed public jurisdictions, if desired.

We will conduct a competitive pay analysis using the market data gathered to assist in the determination of external pay equity and the recommendation of a new base compensation structure, if desired. We



will conduct a comparative analysis to illustrate the relationships between current pay practices and the newly determined market conditions and develop solutions to address pay equity issues, analyze the financial impact of addressing pay equity issues, and create a market adjustment implementation strategy supporting District goals, objectives, and budget considerations.

Draft recommendations will be discussed with the Study Project Team and management for discussions and decisions on overall pay philosophy and the practicality of acceptance and prior to developing an Interim Report.

Deliverable G. Final Report and Guidelines for Implementation

A draft Interim Report of the Compensation Study) will be completed and submitted to the Study Project Team for review and comment. The report will provide detailed compensation findings, documentation, and recommendations. The report will include:

- An executive summary of the compensation study results;
- A set of all market data spreadsheets;
- A proposed Salary Range Placement document;
- A procedure to address employees whose base pay exceeds the maximum of their newly assigned pay range; and
- A guide for rules, policies and procedures for the District in implementing, managing and maintaining the compensation system, as appropriate.

Once all of the District's questions/concerns are addressed and discussed, a Final Compensation Report will be created and submitted in the District's preferred format. The Final Report will incorporate any appropriate revisions identified and submitted during the review of the draft report.

Deliverable H. Formal Appeals Process

Should the City have an formal appeals process regarding the allocation of positions to salary ranges, this proposal does not cover time regarding a formal appeal process. Should our on-site participation be desired, our stated composite hourly rate will be honored. As mentioned above, however, our internal process usually addresses any of these issues.

Deliverable I. Final Presentation

Our proposal includes multiple meetings and weekly oral and written status/progress updates to the Study Project Team. Regarding the involvement of the Board of Directors, etc., we recommend at least one initial meeting to confirm/identify the comparator agencies to be included in the study, one interim study session (to discuss the initial findings of the compensation study), and one final presentation of our Final Report. Of course, we are flexible regarding having more or less interaction with the Board, based on the District's preferences.

❖ Expectations of District Support:

In order to conduct this study in the most timely and cost-effective manner, we ask for support in the following areas:

- Timely provision of written documentation, such as current class specifications, union contracts, organizational charts, budget documents, requests for audits, past studies, etc.;



- Assistance in the notification and scheduling of orientation and other meetings and the provision of adequate interview space and resources;
- Meeting agreed-upon timelines.

In terms of time commitment for District staff, we understand that the District hires an outside consultant to conduct and coordinate the entire effort. Therefore, it is our goal to reduce the time commitment of District staff as much as possible and to only request assistance in the coordination of some of the steps in the process, such as scheduling employee orientation meetings, duplicating PDQs, scheduling employee interviews/desk audits, disseminating information, and in general, being a channel of communication between our firm and employees.

❖ Communication with the District:

Our typical communication model includes at least weekly or biweekly written status updates to keep the District informed on where we are during each phase of the project.

In addition, the study includes a significant number of meetings with the Study Project Team, human resources, management, employees, employee representation, and the Board, as desired. The meetings and “stakeholder touch-points” that we recommend ensure understanding of the project parameters, enhance accurate intake and output of information, and foster a collaborative and interactive approach that will result in greater buy-in for study recommendations. This interactive approach, although time-consuming, has resulted in almost 100% implementation success of K&A’s studies.

❖ Post-Implementation Consultation and Support:

We are committed to providing the District with the highest-quality product and service. Providing ongoing consultation and support after study implementation is a service that is included in our professional fees and a continued relationship-building aspect of our client relationship that we highly value.

We often find that clients will call or email with follow-up questions and to discuss certain aspects of the study, ask why decisions and recommendations were made, and other important components of the study. We consider post-implementation support as part of our customer service.

Should the District request any additional onsite meetings and/or training after implementation of the study and/or other specific, identifiable work efforts, such as position reclassification studies, creating new class descriptions, or conducting annual surveys, we would honor our composite hourly rate for actual hours spent at the District. However, from experience, we expect that most follow-up support will be conducted via telephone and email and this is absolutely included in our “Not To Exceed Fee” for this project.

❖ Stakeholder Engagement:

The meetings and communications with stakeholders that we recommend ensure understanding of the project parameters, enhance accurate intake and output of information, and encourage a collaborative and interactive approach that will result in greater buy-in for study recommendations. This interactive approach, although time-consuming, has resulted in almost 100% implementation success of K&A’s studies.



We believe in an interactive and collaborative process with the whole organization and in a high level of stakeholder contact and interaction to ensure organizational buy-in of the study throughout the entire process. Following are the major milestones at which we touch base with Human Resources, employees, managers, employee representation, and other stakeholders, as appropriate:

- Initial study kick-off and employee/management orientation meetings;
- Stakeholder input regarding a list of appropriate comparator agencies, benchmark classifications, and benefits to be collected;
- District stakeholder review of compensation study data and contact with them to address any challenges to the market comparables we identified for each classification;
- Stakeholder input on internal salary relationship analysis and recommendations; and
- Stakeholder input regarding final compensation plans and structure recommendations.

These steps will ensure that the study results in a product that is accepted and trusted by all levels within the organization. Beyond sound mechanics, our approach includes sufficient communication steps to ensure that the study methodology is understood and the results are regarded as expert, impartial, and fair.



TIME REQUIREMENTS

Our professional experience is that total compensation studies of this scope and for this size organization take approximately four months to complete, allowing for adequate compensation data collection and analysis, review steps by the District, the development of final reports, any appeals, and presentations.

We understand that the District desires a draft compensation study to be delivered by July 1, 2023 and a final report to be delivered to District Management no later than July 28, 2023.

The following is a suggested timeline (which can be modified based on the District’s needs):

Deliverables	Total Compensation Survey	Completion by:
A.	Meetings with Study Project Team and Management Staff and Initial Documentation Review	Week 1
B.	List of Comparator Agencies, Benchmark Classifications, and Benefits to be Collected	Week 3
C.	Data from Comparators and Preliminary Analysis of Data	Week 11
D.	Draft Compensation Findings/Additional Analysis/Study Project Team Meetings	Week 13
E.	Analysis of Internal Relationships and Alignment	Week 14
F.	Compensation Structure and Implementation Plan	Week 14
G.	Final Report and Guidelines for Implementation	Week 15
H.	Formal Appeals Process *	As Needed
I.	Final Presentation	As Scheduled



COST PROPOSAL

We have often found our process requires a very high level of time commitment, which sometimes results in a higher proposal cost. We believe that our methodology and implementation success rate is attributable to the significantly greater level of contact we have with employees, employee representation, management, and the governing body. The time we commit to working with the employees (orientations and briefings, meetings with employees via personal interviews, sharing of compensation survey data, employee review and feedback processes, etc.) results in significantly greater buy-in throughout the process and no formal appeals at the end of the study.

In fact, our firm has only had a handful of formal appeals to any of our studies in our 39 years in business. It has been our experience that the money and time invested in stakeholder communication throughout the study are money and time saved during implementation. Numerous times our firm has been hired after an agency has gone through an unsuccessful study whose results were rejected or appealed and whose implementation was very controversial. The result was a divided organization with hostility and animosity between employees/employee representation and management. Whenever our firm was hired after such an unfortunate experience, study stakeholders were amazed at our open and all-inclusive process, our efforts to elicit equal stakeholder input, and our development of recommendations that were accepted as fair and reasonable and understood by management, employees, and the governing body. Our success rate is also attributable to the fact that we have 39 years of experience working with employees of all types of backgrounds, educational levels, and work experiences, and we are accustomed to successfully communicating with and educating them throughout the process. It is imperative that all employees eventually buy into the study results and recommendations, whether they have been through a process like this before or whether this is the first time for them.

Our clients always provide feedback that our process was professional, comprehensive, understandable, timely, and inclusive. Employees, although not necessarily always happy with our recommendations, have always indicated that we listened to their issues and concerns, were available for discussion, and able to provide documentation and data to support our recommendations. Although time consuming, we also drive the process to ensure that timelines are met and schedules are maintained.

Over the last few years, K&A and all our clients have become accustomed to conducting our organizational, classification, and compensation studies virtually. From that experience, we have learned that studies can be conducted successfully by using virtual technologies and performing the work remotely. We have also learned that this represents a significant cost savings for our clients, both in terms of consultant travel time and travel expenses, as well as less disruption and reduced non-productivity for the client's workforce. We have several technological solutions that can easily facilitate the entire process (see proposal narrative above). Conducting meetings and orientations virtually means that the client's employees do not have to spend time traveling from one location to another and will not be pulled away from their workstations for lengthy periods of time. They can simply click on a link or call in from a phone to participate. This approach also represents significantly less logistical planning on part of the client in order to reserve meeting rooms and making space available for large employee groups, as well as multiple consultants coming onsite to conduct interviews within a condensed period of time. Conducting orientations and interviews virtually provides us with much more flexibility in scheduling and accommodating multiple different shifts and schedules among a large workforce.



In addition, K&A strives to be as “green” an organization as possible and we are certainly concerned about our carbon footprint. We find that multiple trips to client sites that can sometimes involve multiple consultants flying on planes and/or driving cars, is not as environmentally conscious as we would like to be. Considering the effectiveness of virtual meetings, especially when meetings are only one hour or one-and-a-half hours at a time, onsite travel does appear to create a larger footprint than necessary. This can especially be true for final presentations to leadership teams and governing bodies that are often less than 60, or even 30, minutes long.

For purposes of this cost proposal, we are assuming that all meetings and presentations will be conducted virtually/remotely and no onsite travel to District offices will occur. Should the District desire onsite meetings, we will be happy to provide our per diem cost for onsite meetings based on travel time and market rate travel cost at the time.

The cost proposal below includes two options depending on scope of work to provide the District with a cost comparison based on the number of classifications and number of comparator agencies surveyed for the compensation study. Of course, the District may select any combination thereof and we are open to negotiating another option if it better serves the District. We hope to be able to negotiate a scope of work and cost option that best serves the District’s needs.

Deliverables	Total Compensation Study	Option 1: Hours	Option 2: Hours
A.	Meetings with Study Project Team and Management Staff and Initial Documentation Review	8	8
B.	List of Comparator Agencies, Benchmark Classifications, and Benefits to be Collected	15	15
C.	Data from Comparators and Preliminary Analysis of Data <i>Option 1: assumes up to 12 comparators (the number we typically recommend); up to 30 benchmark classifications; and total compensation, including benefits.</i> <i>Option 2: assumes up to 14 comparators (the number on the District's current list); up to 34 benchmark classifications; and total compensation, including benefits.</i>	130	170
D.	Draft Compensation Findings/Additional Analysis/Study Project Team Meetings	24	30
E.	Analysis of Internal Relationships and Alignment	8	8
F.	Compensation Structure and Implementation Plan	12	12
G.	Final Report and Guidelines for Implementation	16	20
H.	Formal Appeals Process *	0	0
I.	Final Presentation	8	10
	<i>Anticipated hours for additional unscheduled meetings and phone calls</i>	8	10
	Total Professional Hours – Compensation	229	283
	Combined professional and clerical composite rate: \$175/Hour	\$40,075	\$49,525
	Expenses are included in the composite hourly rate:	N/A	N/A
	<i>Expenses include but are not limited to duplicating documents, binding reports, phone, supplies, postage, etc.</i>		
	TOTAL PROJECT COST NOT TO EXCEED:	\$40,075	\$49,525
	<i>*Additional consulting will be honored at composite rate (\$175/hr)</i>		



Optional Task #3

To demonstrate the cost of a District-wide classification study, we are providing the following estimate. For any “piecemeal” type of projects, such as individual position reviews, PDQs, interviews, etc., we would charge the District on an hourly basis at the composite hourly rate of \$175/hour.

Deliverables	Classification Study 48 Represented Employees, 7 Unrepresented Employees Approximately 52 Classifications	Hours
A.	Meetings with Study Project Team and Management Staff and Initial Documentation Review	8
B.	Orientation Meetings with Employees and Distribution of PDQ	8
C.	Collection and Review of PDQs (assumes up to 55 PDQs)	20
D.	Interviews with Employees, Supervisors, and Management	40
E.	Classification Concept & Preliminary Allocation	35
F.	Draft Class Description Development (assuming up to 52 classifications)	130
G.	Facilitation of Draft Class Description Review and Employee Feedback Process	50
H.	Classification Plan and Draft of Interim Report and Final Report	116
I.	Formal Appeals Process *	0
J.	Final Presentation	8
	<i>Anticipated hours for additional unscheduled meetings and phone calls</i>	12
	Total Professional Hours – Classification	427
	Combined professional and clerical composite rate: \$175/Hour	\$74,725
	Expenses are included in the composite hourly rate:	N/A
	<i>Expenses include but are not limited to duplicating documents, binding reports, phone, supplies, postage, etc.</i>	
	TOTAL PROJECT COST NOT TO EXCEED:	\$74,725
	<i>*Additional consulting will be honored at composite rate (\$175/hr)</i>	



CONTRACTUAL CONSIDERATIONS

We will be pleased to sign the District's professional services agreement for a Compensation Study. We respectfully request that the District will allow for a period of negotiation of certain terms in the professional services contract related to liability, indemnity, insurance, and other terms. We have found that we have always come to an agreement with all of our clients in the past and appreciate the District's flexibility in reviewing certain terms in a collaborative fashion between our legal counsels.

The following are terms we would like to review with the District if we are fortunate to be selected for this project:

- Gallagher is pleased to submit this proposal to the District. While this proposal is not meant to constitute a formal offer, acceptance, or contract, notwithstanding anything to the contrary contained in the proposal, Gallagher is submitting this proposal with the understanding the parties would negotiate and sign a contract containing terms and conditions that are mutually acceptable to both parties.
- Section 3 (PDF Page 11 – 12) - Indemnification should be limited to grossly negligent acts and omissions, breaches of the contract, intentional misconduct, or violations of law.
- Section 3 (PDF page 11 – 12) - A limitation of liability of fees paid needs to be added to the indemnification provision.
- Section 9 (PDF page 13) - This section should make clear that the District shall own all final deliverables provided to the District by Gallagher as part of the services provided under this Agreement, provided however, Gallagher shall retain sole and exclusive ownership of all right, title, and interest in, and to, its intellectual property and derivatives thereof which no data or Confidential Information of the District was used to create and which was developed entirely using Gallagher's own resources, including any and all pre-existing or independently developed know-how, methods, processes and other materials prepared by Gallagher. To the extent Gallagher's intellectual property is necessary for the Client to use the deliverables provided under this Agreement, Gallagher grants to the District a non-exclusive, royalty-free license to Gallagher's intellectual property solely for the District's use of such deliverables.

It is our practice to provide the coverage below in lieu of the District contract insurance language. We therefore propose to replace the insurance language in the RFP's sample agreement with coverage language provided by Gallagher as follows (we attach our Memorandum of Insurance for your review as well):

Section 8 (PDF pages 6 – 7); Exhibit C (PDF page 10) and Section 14 (PDF pages 14 - 15) – Below are Gallagher's insurance representations based on AJG Risk Management policies. These are not changed on a client by client basis:

- Commercial General Liability (CGL) insurance on an ISO form number CG 00 01 (or equivalent) covering claims for bodily injury, death, personal injury, or property damage occurring or arising out of the performance of this Agreement, including coverage for premises, products, and completed operations, on an occurrence basis, with limits no less than \$2,000,000 per occurrence;
- Workers Compensation insurance with statutory limits, as required by the state in which the work takes place, and Employer's Liability insurance with limits no less than \$1,000,000 per accident for



bodily injury or disease. Insurer will be licensed to do business in the state in which the work takes place;

- Automobile Liability insurance on an ISO form number CA 00 01 covering all hired and non-owned automobiles with limit of \$1,000,000 per accident for bodily injury and property damage;
- Umbrella Liability insurance providing excess coverage over all limits and coverages with a limits no less than \$10,000,000 per occurrence or in the aggregate;
- Errors & Omissions Liability insurance, including extended reporting conditions of two (2) years with limits of no less than \$5,000,000 per claim, or \$10,000,000 in the aggregate;
- Cyber Liability, Technology Errors & Omissions, and Network Security & Privacy Liability insurance, including extended reporting conditions of two (2) years with limits no less than \$2,000,000 per claim and in the aggregate, inclusive of defense cost; and
- Crime insurance covering third-party crime and employee dishonesty with limits of no less than \$1,000,000 per claim and in the aggregate.
- All commercial insurance policies shall be written with insurers that have a minimum AM Best rating of no less than A-VI, and licensed to do business in the state of operation. Any cancelled or non-renewed policy will be replaced with no coverage gap, and a Certificate of Insurance evidencing the coverages set forth in this section shall be provided to Client upon request.

ARTHUR J. GALLAGHER & CO. MEMORANDUM OF INSURANCE

This Memorandum of Insurance (“Memorandum”) is produced as a matter of information only to authorized viewers for their internal use only and confers no rights upon any viewer of the Memorandum. This Memorandum does not amend, extend or alter the coverage described below. Copyright 2005, Arthur J. Gallagher Risk Management Services, Inc. (“Gallagher”). Gallagher grants permission to you to view, copy, print and distribute the information found on the Memorandum website (“Site”) provided that the above copyright notice appears on all copies, that use is internal to you or for personal noncommercial informational purposes only, and that no modification is made to any materials. Any modification, use, reproduction or distribution of this Memorandum, the Site or its contents must be first approved by Gallagher in writing. You will not suffer or permit any unauthorized use of any Gallagher trademark, service mark or logo. This Memorandum, the Site and its contents, including but not limited to text, graphics, images, software, copyrights, trademarks, service marks, logos, and brand names (“Content”), are protected under both United States and foreign laws, and Gallagher or its affiliated entities retain all right, title and interest in and to the Content, all copies thereof, and all copyrights and other proprietary rights therein. The information contained herein is as the date referred to above. Gallagher shall be under no obligation to update such information.

DATE: 10/4/2022

INSURED:

Arthur J. Gallagher & Co. and its subsidiaries
2850 West Golf Road
Rolling Meadows, IL 60008

Insurance Companies

A: ARCH INSURANCE COMPANY
B: THE CONTINENTAL INSURANCE COMPANY
C: XL INSURANCE AMERICA, INC
D: FEDERAL INSURANCE COMPANY
E: LEXINGTON INS. COMPANY
F: XL SPECIALTY INS. COMPANY
G. ILLNOIS NATIONAL INSURANCE COMPANY
H. INDIAN HARBOR INSURANCE COMPANY

The policies of insurance listed below have been issued to the “INSURED” named above for the policy period indicated. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this Memorandum may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies. Limits shown may have been reduced by paid claims.

CO. LTR.	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE	POLICY EXPIRATION	LIMITS (In USD unless otherwise indicated)	
A	Commercial General Liability Occurrence Per location Aggregate	41GPP4938415	10/01/22	10/01/23	General Aggregate	4,000,000
					Products - Comp/Op Agg	4,000,000
					Personal and ADV Injury	2,000,000
					Each Occurrence	2,000,000
					Damage to Rented Premises (Each occurrence)	1,000,000
A	Automobile Liability Any Auto	41CAB4939015 41CAB4938315	10/01/22	10/01/23	Combined Single Limit	5,000,000
					Bodily Injury (per person)	
					Bodily Injury (per accident)	
B	Excess/Umbrella Liability Retention: \$10,000	7034611269	10/01/22	10/01/23	Each Occurrence	25,000,000
					Aggregate	25,000,000
A	Workers Compensation and Employers Liability	41WCI4938115	10/01/22	10/01/23	Workers Comp Limits	Statutory
					EL Each Accident	1,000,000
					EL Disease - Each Employee	1,000,000
					EL Disease – Policy Limit	1,000,000
C	Property	US00112916PR22A	10/01/22	10/01/23	Blanket Bldg. & PP	10,000,000
D	Crime/Fidelity Bond (Employee Dishonesty)	J06039418	09/01/22	09/29/23	Single Loss Limit	15,000,000
E	Errors & Omissions (Primary Policy)	015466449	10/01/22	10/01/23	Per Claim and Aggregate	12,000,000
F	Errors & Omissions (Excess Policy)	ELU163265-22	10/01/22	10/1/23	Per Claim and Aggregate	10,000,000
G	Errors & Omissions (Excess Policy)	FI0121922	10/01/22	10/01/23	Per Claim and Aggregate	15,000,000
H	Cyber Liability	MTP903416504	05/01/22	05/01/23	Limit of Liability	10,000,000

Description of Operations / Other Information: See ADDITIONAL INFORMATION on the following page.

This Memorandum of Insurance serves solely to list insurance policies, limits and dates of coverage. Any modifications hereto are not authorized by Gallagher or the Insurance Companies.

ARTHUR J. GALLAGHER & CO. MEMORANDUM OF INSURANCE

ADDITIONAL INFORMATION

As respects GENERAL LIABILITY POLICY

ADDITIONAL INSURED – MANAGERS OR LESSORS OF PREMISES *

Endorsement Form # CG 20 11 04 13 modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

1. Designation of Premises (Part Leased to You): ANY PREMISES OR PART THEREOF LEASED TO YOU.
2. Name of Person or Organization (Additional Insured): ANY AND ALL PERSONS OR ORGANIZATIONS CONTRACTUALLY REQUIRING ADDITIONAL INSURED STATUS AS THE MANAGER OR LESSOR OF PREMISES TO YOU.
3. Additional Premium: INCLUDED

(If no entry appears above, the information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule but only with respect to liability arising out of the ownership, maintenance or use of that part of the premises leased to you and shown in the Schedule and subject to the following additional exclusions:

This insurance does not apply to:

1. Any "occurrence" which takes place after you cease to be a tenant in that premises.
2. Structural alterations, new construction or demolition operations performed by or on behalf of the person or organization shown in the Schedule.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

We waive any right of recovery we may have against the person or organization where required by written contract because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only where required by written contract.

As respects PROPERTY

This policy insures against "All Risks" of physical loss or damage, except as excluded, to covered property while on Described Premises, provided such physical loss or damage occurs during the term of this policy. Coverage is subject to policy deductibles, terms, conditions and exclusions. Loss Payable clause included for whom Insured has agreed to per written contract.

IMPORTANT NOTICE

***All other Additional Insureds requests requires Legal approval and issuance of a Certificate of Insurance.**

***For special requests, such as a WET SIGNATURE, please contact the appropriate team: P&C – Doreen Morris or Therese Scamardo; E&O – Helen Ponce de Leon or Mari Maceri; Cyber – Jeremy Gillespie or Ariel Magrini.**

This Memorandum of Insurance serves solely to list insurance policies, limits and dates of coverage. Any modifications hereto are not authorized by Gallagher or the Insurance Companies.



Signature Page

Koff & Associates intends to adhere to all of the provisions described in RFP #CS2023.

This proposal is valid for 90 days.

Respectfully submitted,

By: KOFF & ASSOCIATES
State of California

Georg S. Krammer

March 10, 2023

Managing Director, Compensation and Rewards Consulting



Koff & Associates

A Gallagher Company

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MEMORANDUM

To: Board of Directors

March 21, 2023

From: Tony Williams, General Manager *TW*
 Eric Miller, Assistant General Manager/Chief Engineer *EM*

Subj: Facility Reserve Charge Adjustments
t:\gm\bod misc 2023\3-21-23 meeting\frc partial refund\3-21-23 bod meeting fee adjustment_final.docx

RECOMMENDED ACTION: Provide Direction to Staff Regarding Refund Policy for Fee Adjustments

FINANCIAL IMPACT: Approximately \$4,720 to \$14,160

Background

At the December 6, 2022 Board Meeting, an update to District Regulation 1 "New or Upgraded Water Service Connections" was approved. The update included revised Facility Reserve Charge (FRC) fees for various development categories for all service areas based on a detailed FRC Study¹ completed in November 2022. The FRC Study used a hybrid approach to calculate the FRCs for both the Novato and West Marin Service areas because, while some capacity remains available in the existing water systems to meet the needs of future users, a portion of that available capacity needs to remain un-used for the purpose of providing a buffer against changes in peak usage or changes in existing customer demands. The hybrid approach combines the industry approved "Buy-in" and "Incremental" calculation methodologies and recognizes that new water service customers are benefitting from both the available facilities that have already been constructed and the additional capacity that will be built in order to accommodate them.

The FRC Study also used actual water use data for specific structure types to calculate the respective FRCs proportionately to the baseline of a single-family dwelling. Staff separately analyzed proportionate costs for an accessory dwelling unit (ADU) which demonstrated that the FRC for an ADU calculated based on drainage fixture units (DFUs) as described in Government Code section 65852.2, would be as high as \$17,835 for the Novato Service Area compared to the current FRC value of \$7,640 (Regulation 1) which is based on a more accurate proportional cost calculation (using actual water use data). It is important to note that Government Code section 65852.2 prohibits the District from imposing a FRC fee (or a connection fee, including the cost for a new service lateral and meter) for the following types of ADUs, unless the applicant has requested a separate service line or meter: 1) An ADU within the existing space of a single-family

¹ Facility Reserve Charge Study Final Report, Hildebrand Consulting, November 15, 2022

dwelling; and 2) An ADU within the existing space of an accessory structure; or 3) An ADU within the proposed space of a new single-family dwelling.

Historically, FRC fees have increased over time compared to the prior approved versions of Regulation 1, however three development categories were reduced for both the Novato and West Marin Service Areas, and the Recycled Water FRC fee was also reduced, as detailed in the FRC Study and as shown in the table below:

2022 FRC Adjustments for all Water Service Areas			
Development or Structure Type	Prior FRC	Current FRC	Change
Single family detached residences and duplexes*	\$28,600	\$28,310	(\$290)
Single family detached residences and duplexes**	\$22,800	\$20,660	(\$2,140)
Second D.U. or Accessory Dwelling Unit (ADU)*	\$10,000	\$7,640	(\$2,360)
Second D.U. or Accessory Dwelling Unit (ADU)**	\$8,000	\$5,580	(\$2,420)
Non-residential and master metered residential uses*	\$28,600	\$28,310	(\$290)
Non-residential and master metered residential uses**	\$22,800	\$20,660	(\$2,140)
RW Commercial or multi-family irrigation***	\$28,600	\$28,310	(\$290)

*Novato Water Service Areas; **West Marin Service Area; ***Recycled Water (RW)

At the March 7, 2023 Board Meeting, the Directors heard testimony from a customer seeking a partial refund of FRC fees paid in 2021 and 2022 for two separate residential projects. Specifically, each project was the construction of an ADU at different properties that was not constructed within the space of an existing structure and therefore subject to FRC fees. The FRC fee paid in each case was \$10,000 per District Regulation 1 in effect at the time of the application. Staff had previously denied this customer’s request for a partial refund based on the lack of definitive District policy, or previous District precedence in this matter. At the meeting a motion was made to grant a partial refund of the FRC paid on June 13, 2022 for only one of the customer’s ADU projects with the additional condition that no water use had yet occurred at the property. The motion passed with a 3 to 2 vote of the Directors.

After review of District records, six (6) other customers in the Novato Service Area (none in West Marin Service Area) paid the previous FRC fee of \$10,000 for ADU projects in the approximate 1-year calendar period between January 1, 2022 and December 6, 2022; and did not use any water during that period of time. This represents a total partial refund amount of \$16,520. In consideration of the other development categories that now have lower FRC fees, the review of District records reveals the following information:

January 1 to December 6, 2022 FRC Payments

Development Category	Number of Other Customers	Notes
Single family detached residences and duplexes	0	
Second D.U. or Accessory Dwelling Unit (ADU)	6	Novato only
Non-residential & master metered residential uses	0	
Commercial or multi-family irrigation (RW)	0	
Total	6	Total partial refund = \$14,160

For a period of consideration of between June 1, 2022² to December 6, 2022 (approximately six months), a total of two (2) customers paid the previous FRC fee and also had no water use for the same period. This represents a total partial refund financial impact of \$4,720.

Legal Review

Staff conferred with District Counsel to understand if a specific period of time must be used to evaluate other potential customers in a similar situation in lieu of the approximate 6-month period that was considered for the customer who was granted a partial refund. Based on District Counsel's review, there are no state laws or legal precedence that governs this period of time for consideration of partial refunds and it is instead at the Board's discretion. Therefore, using approximately the same period of time that was recently considered by the Board, as well as the additional condition of no recorded water use as of December 6, 2022, only two (2) customers would qualify for an equitable partial refund. If an approximate 1-year period of time is considered by the Board, including the additional condition of no recorded water use as of December 6, 2022, at total of six (6) other customers would qualify for an equitable partial refund. Staff is not recommending any adjustments (additional charges) be pursued for customers under the development categories that resulted in increased FRC fees in the recent Regulation 1 update.

RECOMMENDATION

That the Board provide direction to Staff regarding whether to offer partial refunds to the other customers who either fall within similar conditions as the customer who was granted a refund at the March 7, 2023 Board meeting (2 customers), or alternatively extending the time period to approximately one year (6 customers).

ATTACHMENTS - None

² The recent customer partial refund was based on a June 13, 2022 FRC payment date.

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MEMORANDUM

To: Board of Directors Date: March 21, 2023

From: Eric Miller, Assistant General Manager / Chief Engineer 

Subject: Stafford Dam Adjustable Spillway Gate – Project Update
r:\folders by job no\6000 jobs\6610 new stp job number series as of july 2020\6610.24 water supply enhancements - dam\bod memos\2023 0321 project status update\2023 0321 bod memo dam asg project update.docx

RECOMMENDED ACTION: Informational only

FINANCIAL IMPACT: None

Summary

North Marin Water District's (District) Final Local Water Supply Enhancement Study was accepted by the Board at the July 19, 2022 meeting. The study was prepared with the purpose of enhancing the District's local water supplies and creating a more resilient local water supply portfolio for the Novato Water Service Area. The study identified water supply alternatives based on quantitative and qualitative considerations that are important to the District. Several different potential alternatives were evaluated, including;

- Recycled Water System Expansion
- Indirect Potable Reuse
- Improve Stafford Treatment Plant (STP) Process Water Recapture Efficiency
- Divert Captured Stormwater Into Stafford Lake
- Increase Stafford Lake Storage Capacity
- Aquifer Storage Recovery in the Novato Basin
- Desalination

The Stafford Dam Adjustable Spillway Gate (ASG) project was identified as a potentially viable alternative related to increasing the storage capacity in Stafford Lake. This project focuses on the downstream spillway control notch that measures 10-feet wide by 3-feet tall. Installation of an adjustable gate across this notch would allow the District to store an additional 3 feet of water in Stafford Lake, which equates to approximately 726 acre-feet of increase storage volume. This volume of water could then be treated at the nearby STP during the plant's operational period in the months when the District faces its peak demands.

Project Status

District staff began preliminary planning work on the ASG project in August 2022 with an internal kick-off meeting. At that meeting, staff identified a project roadmap that included preliminary California Environmental Quality Act (CEQA) work, dam stability and seepage analysis, concrete spillway assessment, hydrologic and hydraulic analysis, potential need for revised inundation mapping, biological field surveying, review of water rights, environmental permitting, full CEQA clearance, design, bidding, and construction phases.

A consulting firm (Wagner & Bonsignore) was retained through District legal counsel to review the District's water rights related to Stafford Lake. Results of their review indicate that the District would remain in compliance with existing water rights by storing the additional volume with the ASG, as long as our operating procedures were modified concurrent with use of the gate. In addition to water rights, the District has retained consultants for preliminary CEQA work (Amy Skewes-Cox), associated biological studies (Environmental Collaborative), and dam stability and seepage analysis (Genterra). These efforts are underway with submittal of draft deliverables to the District being planned by the end of May.

District staff has also engaged in preliminary conversations with the Division of Safety of Dams (DSOD) as well as the California Department of Fish and Wildlife (CDFW). Other potential permitting agencies will be engaged this summer once the draft biological and geotechnical reports are available. Other regulatory agencies include the Regional Water Quality Control Board (RWQCB), United States Army Corps of Engineers (USACE), and the Division of Drinking Water (DDW).

Other key project stakeholders include Marin County Parks and Open Space District, Marin County Flood Control District, and the Indian Valley Golf Course. District staff has discussed this project and the potential impacts with each of these stakeholders individually, and plans to continue meeting with the stakeholders on a regular basis to provide updates and coordinate the project with their needs.

Next Steps

The District's legal counsel arranged for a preliminary discussion with a CEQA legal expert which was helpful in determining the next steps towards environmental clearance of the project. Some form of CEQA documentation will be required for the project, however staff has not yet determined which document will be pursued. The different CEQA documents being

considered are a Notice of Exemption, Initial Study, and an Environmental Impact Report. This decision will be made following the summer discussions with all the potential permitting agencies.

Staff will continue to work with the biological and geotechnical consultants as needed towards the submittal of preliminary reports by the end of May. From there, staff plans to attend a Marin Project Coordination (MPC) meeting this summer. This meeting is organized by the Marin County Department of Public Works and represents a unique opportunity to meet with many of the potential permitting agencies at the same time to discuss the project and answer their questions.

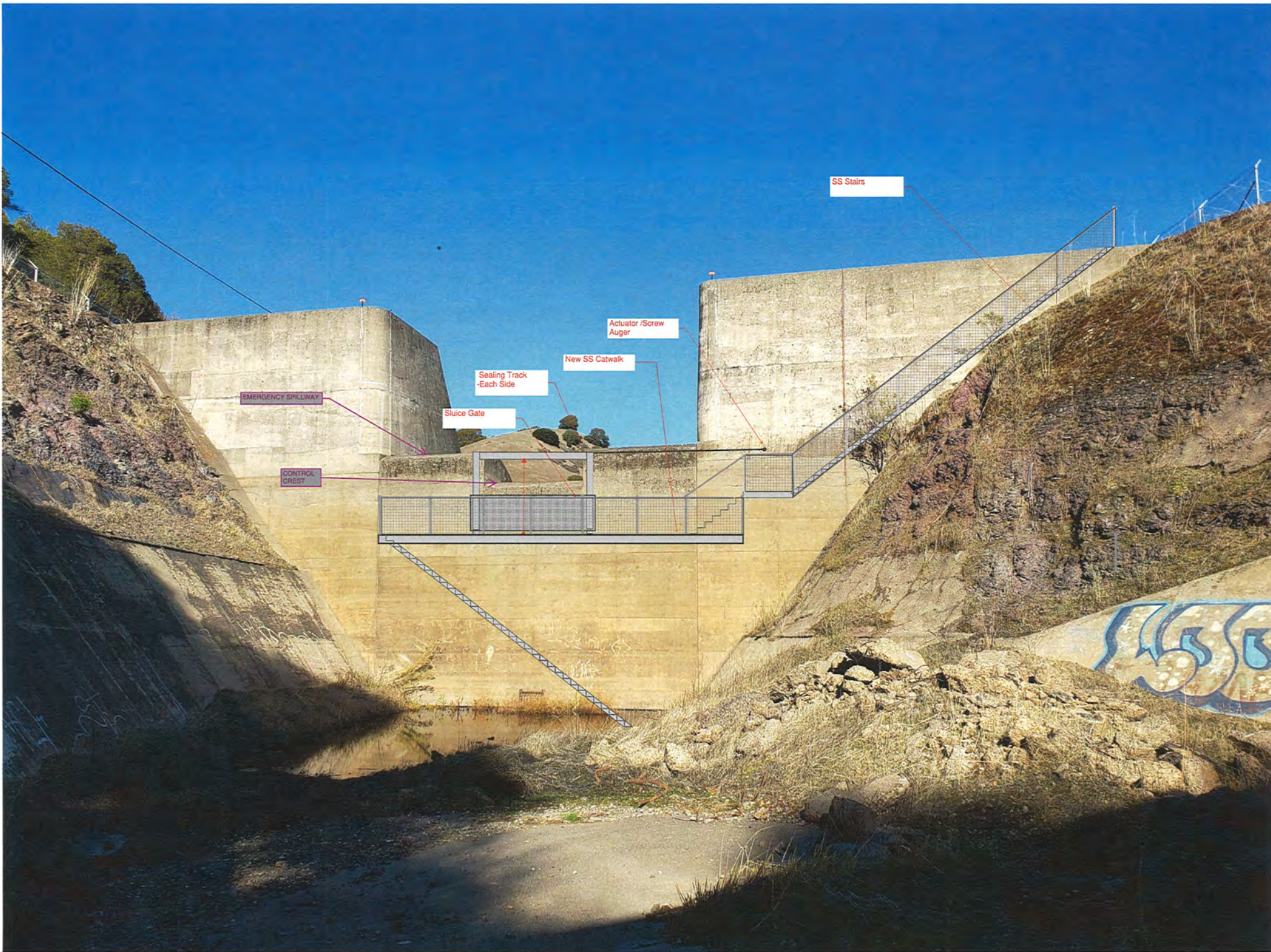
Following the MPC meeting, staff will work with our CEQA consultant to determine the most appropriate CEQA document moving forward. Staff will consult with legal counsel as needed prior to beginning detailed CEQA work. Once the CEQA document is underway, staff can concurrently begin preliminary design work and prepare applications for environment permits as needed.

In order to reach the 60% design milestone, staff will need to retain consultants for concrete testing of the existing spillway and potentially for hydrologic and hydraulic analysis of the modified condition. Staff anticipates reaching the 60% design milestone by the end of 2023.

Recommendation

None at this time.

- Attachments
1. Diagram of adjustable spillway gate concept
 2. Photo of spillway with water surface elevation at 198.5'





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**MEMORANDUM**

To: Board of Directors

March 21, 2023

From: Tony Williams, General Manager *TW*
Eileen Mulliner, District Secretary *EM*

Subject: Final Annual Report Fiscal Year 2021-22
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RECOMMENDED ACTION: Approve Fiscal Year 2021-2022 Annual Report

FINANCIAL IMPACT: None

The Annual Report for Fiscal Year 2021-22 is normally completed and approved by your Board in late December. Consistent with our Communications Strategy and District branding efforts, the overall design and format of the Annual Report has been completely revamped with assistance from Kiosk. This redesign took a little longer than anticipated but the final report is attached (Attachment 1) and a hardcopy will be provided to each Director.

RECOMMENDATION

Board Approve Fiscal Year 2021-22 Annual Report.

ATTACHMENT: 1. Fiscal Year 2021-22 Annual Report



Annual Report

Fiscal Year 2021 – 2022



**NORTH MARIN
WATER DISTRICT**

Our mission is to meet the expectations of our customers in providing potable and recycled water and sewer services that are reliable, high quality, environmentally responsible, and reasonably priced.

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Board Meetings

Regular Board meetings are held on the first and third Tuesday of each month at 6pm.

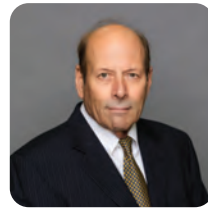
Meetings are normally held at:
North Marin Water District
999 Rush Creek Place
Novato

For meeting agendas, contact the District Secretary at 415-761-8921 or visit the website at nmwd.com.

Board of Directors 2021–2022



Jack Baker
Served since 1983
Division 2



Rick Fraites
Served since 2003
Division 5



James Grossi
Served since 2017
Division 1



Michael Joly
Served since 2017
Division 3

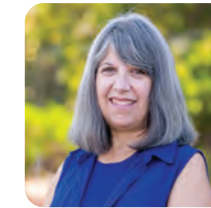


Steve Petterle
Served since 2001
Division 4

Officers 2021–2022



Drew McIntyre*
General Manager
Appointed 1998



Terrie Kehoe
District Secretary
Appointed 2018



Julie Blue
Auditor-Controller
Appointed 2018



Tony Williams**
Assistant General Manager /
Chief Engineer
Appointed 2020

Department Managers 2021–2022



Julie Blue
Administration & Finance



Tony Williams
Engineering



Pete Castellucci
Construction/Maintenance



Chris Kehoe
Construction/Maintenance



Robert Clark
Operations/Maintenance

*Drew McIntyre retired in May after 25 years of service.
**Tony Williams was appointed General Manager May 2022.

Historical Highlights 1948 – 2002

- 1948** The Novato community approves formation of North Marin Water District and purchase of the Novato Water Company.
- 1949** Novato voters impose a significant tax upon themselves (77¢/\$100 assessed value) to finance a \$2 million bond issue to purchase and upgrade the private water system and to construct a dam at Stafford Lake and build a water treatment plant.
- 1951** Contractor T.E. Connolly of San Francisco constructs Stafford Lake Dam, designed by Kennedy Engineers, to impound 560 million gallons (MG) of water.
- 1952** Stafford Water Treatment Plant, designed by Kennedy Engineers and built by C. Norman Peterson, goes into operation. It has a capacity of 3.75 million gallons per day (mgd).
- 1954** The spillway at Stafford Lake is raised to increase the reservoir capacity to 1.45 billion gallons, boosting the annual safe yield of Stafford Lake to 620MG.
- 1960** Voters approve a \$3.79 million bond issue to finance system improvements, notably construction of an aqueduct connecting Novato to the Russian River.
- 1961** The North Marin Aqueduct, a 9.4-mile, 30" pipeline from Petaluma to Novato is completed.
- 1963-66** Multiple water storage tanks are constructed, increasing storage from 2MG to 16MG.
- 1970s** Five small West Marin improvement districts are annexed into North Marin Water District at the request of West Marin citizens: Oceana Marin Sewer in 1969; Point Reyes Station/Inverness Park Water in 1970; Olema Water in 1973; Tomales Sewer in 1975; and Paradise Ranch Estates Water in 1979.
- 1973-75** System storage capacity is increased to 26MG with construction of the Atherton (5MG welded steel) and Pacheco (5MG concrete) Tanks.
- 1974** Stafford Treatment Plant is modified to increase production capacity to 6.3 mgd.
- 1980s** North Marin Water District assumes a leadership role in the water conservation field, pioneering programs such as connection fee discounts for installation of xeriscapes in new residential construction and "Cash-For-Grass" rebates for existing customers who replace irrigated turf with xerophytic plants.
- 1983** The US Army Corps of Engineers completes the construction of the Warm Springs Dam, creating a water supply pool in Lake Sonoma of 69 billion gallons.
- 1990s** Marin United Taxpayers twice touts North Marin Water District as the Best Managed Public Agency in Marin County.
- 1998** The District celebrated 50 Golden Years of Quality, Excellent Service and Tradition.
- 2001** Marin Municipal Water District agrees to reorganize boundaries at Hamilton AFB to be coincident with Novato city limits, enabling North Marin Water District to serve areas within Novato formerly served by MMWD.



Historical Highlights 2005 – 2018

- 2002** Amaroli Tank, a 4.5MG buried concrete tank adjacent to Highway 101 on Ammo Hill, is completed and increases total Novato area storage capacity to 33MG.
- 2005** A 180,000-gallon concrete storage tank is constructed in Point Reyes Station to replace a 36-year-old 100,000-gallon redwood tank serving the West Marin community.
- 2006** The Restructured Agreement for Water Supply with Sonoma County Water Agency (SCWA) is executed, authorizing SCWA to construct facilities to increase North Marin’s water delivery entitlement to meet Novato’s future needs consistent with the community general plan.
- 2006** The Stafford Water Treatment Plant \$16 million reconstruction project is completed enabling Stafford Lake water to meet anticipated future water quality standards.
- 2007** The 0.5 mgd Deer Island Recycled Water Facility, located adjacent to Highway 37 immediately south of Deer Island, commenced operation in June 2007 serving Stone Tree Golf Course.
- 2008** The 500,000-gallon Center Road Tank in west Novato is completed.
- 2009** Palmer Drive Tank is completed adding 3MG of first-zone storage in southern Novato, and increasing total Novato area storage capacity to 37MG.
- 2013** Expansion of the recycled water distribution system to north and south Novato is completed. Utilizing federal grant and loan funds and recycled water from both Novato & Las Gallinas Valley Sanitary Districts, the project will provide 130MG annually to large-landscape customers.
- 2015** The Gallagher Well Pipeline is completed principally with state grant financing, connecting the West Marin system to a new well located further upstream of Point Reyes Station in Lagunitas Creek, which is less susceptible to salt water intrusion.
- 2016** The \$22 million “Aqueduct Energy Efficiency Project” is completed, replacing the North Marin Aqueduct 30” diameter pipeline with a 42” pipeline from South Petaluma to Redwood Landfill, thereby eliminating the need for the Kastania Pump Station.
- 2017** To improve water use efficiency, accuracy and customer service, the District implemented an Advance Meter Information System (AMI) pilot project. The AMI project replaces the mechanical water meter register with an electronic register that transmits water use data securely to North Marin Water District headquarters.



Historical Highlights 2019 – 2022

- 2018** Expansion of the recycled distribution system to Central Novato is completed. Using federal and state grant and loan funds and recycled water from Novato Sanitary District the project will provide at least 65MG annually to large-landscape customers, including Marin Country Club Golf Course.
- 2019** During a series of public hearings held between April and June 2019, the District established five electoral Divisions in order to transition to a Division-based election in which each Board member is elected by a specific Division within the District. All five board members will continue to participate and vote on district-wide matters regardless of what division they represent.
- 2020** The Board accepted the 2020 Novato and Recycled Water Rate Study after a series of several meetings with District Staff, the Board’s Ad Hoc Subcommittee and two public workshops. This is the first comprehensive water rate study for Novato in over 20 years.
- 2021** The Board accepted the 2021 West Marin Water Rate Study after a series of several meetings with District Staff, the Board’s Ad Hoc Subcommittee and two public workshops. This is the first comprehensive water rate study for West Marin in over 20 years.

The District completed construction of a 125,000-gallon concrete water tank on the ridge at the top of Paradise Ranch Estates to replace the two existing wooden tanks (including one which had burned in the 1995 “Mt. Vision” Fire).
- 2022** The District was awarded \$464,019 under the state’s Small Community Drought Relief Grant program for the construction of the Gallagher Well No. 2 in West Marin, which commenced in February 2022.

As part of the District’s 2018 Strategic Plan, Goal 1, the District participated in Sonoma Water’s Regional Water Supply Resiliency Study, and initiated its own Local Water Supply Enhancement Study (LWSES) which evaluated numerous water supply strategies ranging from groundwater to recycled water expansion. The Board held two Public Workshops for the LWSES, one in January and another in April 2022 to review the potential water supply alternatives, evaluation criteria, and to solicit public feedback.

The Board approved the North Marin Water District Office Building and Laboratory Upgrade Project in early 2022 and authorized the award for construction on May 3rd 2022 in the amount of \$11,614,000. The project is expected to be complete in late 2023.

For a narrative description of North Marin Water District history of formation and expansion in Novato and West Marin, please visit our website at nmwd.com and click on About/History.

Message from General Manager Tony Williams

North Marin Water District (District) carries out its Mission with a highly motivated and competent staff empowered to meet the expectations of our customers in providing services that are reliable, high quality, environmentally responsible and reasonably priced. Each day, District employees strive to carry out their work mindful of these basic principles: Good Water, Good Service, Good Value, and A Safe Place to Work. This annual report updates customers on North Marin Water District's accomplishments in Fiscal Year (FY) 2021-22 and provides a snapshot of our current efforts and financial performance.

The last couple of years have presented many challenges and the past fiscal year was not much different with continuing historic drought and the ongoing impacts from COVID-19 and subsequent variants. Fortunately, there were no impacts from regional fires or significant power outages in FY 21-22. The District also saw the departure of two long-time key employees, Tony Arendell and Drew McIntyre, who together had close to 60 years of combined service to the District.

This year local water supply from Stafford Lake totaled 168.1MG and provided up to 24% of peak summer (i.e., July 2021) demand on a monthly basis and only 8% of annual demand. Rainfall in Novato totaled 18.25" which was 69% of average. There was a significant increase in Lake storage levels in the winter of 2022 due to welcomed storms in October and December. Consequently, the maximum storage capacity this year peaked at Elev. 191.5 (77% total capacity) at the end of April 2022. Stafford Lake storage did increase slightly as well from a short period of backfeeding that provided approximately 39 acre-feet of Russian River winter flows.

The Russian River water delivery system operated by Sonoma Water typically provides 75-80% of Novato's water supply. In FY 21-22, despite moderate rainfall as stated above, imported water represented 92% of potable water and 78% of total

water supply (potable and recycled). As a result of the ongoing drought, the District's Emergency Water Conservation Ordinance 41 remained in effect for the Novato Service Area, and on July 1st a Stage 2 mandatory 20% reduction in water use took effect. Ordinance 41 was modified in October 2021 to extend the Stage 2 condition; and in June 2022, additional modifications were made to update violation procedures and fine amounts.

Due to consistent drought conditions in the Russian River Watershed, the State Water Resources Control Board (SWRCB) issued an order on June 17, 2022 that reduced minimum instream flow requirements in the upper and lower Russian River to 25 cubic feet per second (cfs) and 35 cfs, respectively. The Temporary Urgency Change Order (TUCO) also required that Sonoma Water and its water contractors reduce total diversions from the Russian River by 20% compared to the same period of 2020 from July 1 through October 31. The order, issued at the request of Sonoma Water, allows them to preserve storage in Lake Sonoma, which is the primary source of drinking water for more than 600,000 people in Sonoma and Marin counties.

In cooperation with Novato Sanitary and Las Gallinas Valley Sanitary Districts, North Marin Water District has previously expanded its distribution of recycled water, which supplies large landscape irrigation customers and various commercial car washes in Novato. Recycled water continued to be a component in the overall lowering of potable demand in Novato and the number of active customers grew to 97. In total, recycled water use reached 252.3MG, just a slight drop compared to the previous year.

To improve water use efficiency, accuracy and customer service, North Marin Water District completed an Advanced Meter Information (AMI) project in 2020. With the AMI system, the customer's mechanical water meter register is replaced with an electronic register allowing digital meter data

to be transmitted securely to North Marin Water District's headquarters via wireless communication providing early leak detection and real time water use information. This system has proven to be a beneficial tool for our customers and staff for monitoring usage, changing usage, and detecting leaks.

In West Marin, normal year water supply conditions on Lagunitas Creek became effective on March 2022 (FY22) since the Marin Water reservoirs received significantly more rainfall than other parts of the Bay Area. Emergency Water Conservation Ordinance 39 remained in effect but only as dry year conditions ended in FY2021-22 with total rainfall of over 45" on April 1st, well above the normal year minimum threshold of 28". Consequently, Ordinance 39 restrictions for a Stage 2 25% mandatory water use reductions was removed and a voluntary 15% reduction (Stage 1) was enacted.

With respect to capital improvement projects, the construction of the Gallagher Well No. 2 project commenced in early 2022 after a series of appeals to halt the project were successfully denied with a final determination of the California Coastal Commission on October 15, 2021. The project was awarded \$464,019 under the state's Small Community Drought Relief Program in December 2021. The District successfully completed an application under the Hazard Mitigation Grant Program through CalOES and FEMA for the Lagunitas Creek Bridge Pipeline project in April 2022. If successful, an award is expected in early 2023. On July 1, 2021, a 6% Novato and West Marin revenue rate increase became effective. This included a drought surcharge consisting of a percent increase relative to water shortage stage condition (normal supply conditions = \$0 surcharge). Water remains a good value for Novato and West Marin customers.



Water Supply

Novato

Stafford Lake – Local source provides 20-25% of North Marin's supply.

Stafford Lake lies four miles west of downtown Novato and collects the runoff from 8.3 square miles of watershed land adjacent to the upper reaches of Novato Creek. The lake has a surface area of 230 acres and holds 4,450-acre feet or 1,450 million gallons (MG) of water. Water from Stafford Lake is fed into the Stafford Lake Water Treatment Plant, (located just below the dam) at a maximum rate of 6 million gallons per day. In FY 2021-22, 515.8 acre feet (168.1MG) of water was produced from the facility between July and October.

Russian River – Provides 75-80% of North Marin's annual supply.

Russian River water originates from both the Eel River and the Russian River watersheds northeast of the City of Ukiah (Lake Mendocino) and west of Healdsburg (Lake Sonoma). The Coyote Dam at Lake Mendocino impounds the Eel River diversions and winter runoff from the local watershed. Warm Springs Dam at Lake Sonoma impounds winter runoff from the Dry Creek and Warm Springs local watersheds. Lakes Mendocino and Sonoma combined can store 367,500-acre feet to meet regional water supply needs, which totaled 46,200-acre feet in FY 2019-20. Releases from the lakes flow to a point about 10 miles upstream of Guerneville (see map on page 31 of this report), where six collector wells draw river

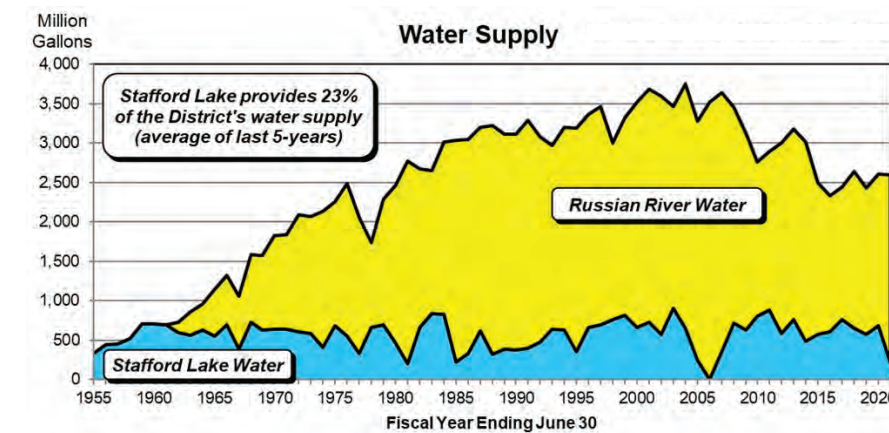
water that has been filtered through 60 to 90 feet of natural sand and gravel to perforated pipes located at the bottom of each well. The thick layer of sand and gravel through which the water must pass before reaching the intake pipes provides a highly efficient, natural filtration process which, with chlorination treatment, produces a clear, potable, bacteria-free water. This water is then fed directly into the SCWA aqueduct system.

In FY 21-22, North Marin received 5,797-acre feet (1,889MG) of Russian River water. North Marin has an agreement in place with SCWA to provide sufficient supply and meet Novato's current and future water supply needs. There continues to be competing interests for Russian River water, principally to protect steelhead and salmon listed as threatened or endangered species under the Endangered Species Act.

West Marin

Groundwater Wells – Local source provides 100% of North Marin's supply.

Three active wells provide water for our West Marin customers: Coast Guard Well #2, Coast Guard Well #4 and Gallagher Well No. 1. In FY 21-22, 176.5-acre feet (57.5MG) of water was produced from a combination of these wells. Construction of the new Gallagher Well No. 2 is expected to be complete in FY 22-23 which will provide approximately 180,000 gallons per day to the water system.



Administration

Administration

The Administration Department is comprised of Administrative Services, Consumer Services, Finance, Human Resources and Information Systems.

Consumer Services

Consumer Services is responsible for accurate and timely meter reading and billing of approximately 104,000 bills and reminder notices annually. During the year, field staff responded to 1,046 customer calls for water service assistance and received a 95% positive response from customers related to the services provided.

- A rate study for Novato Potable and Recycled Water was approved in March, 2020. The rate study included a five-year financial forecast which was updated as part of the FY 21-22 budget. A 6% rate increase was approved by the Board of Directors effective July 1, 2021. The rates conform to California Law requiring that each class of customer (residential and commercial) pay their proportionate share of the cost to serve them.
- A rate study for West Marin Water was approved in March, 2021. As a result of the study a 6% rate increase was approved by the Board of Directors effective July 1, 2021.
- In March, the District's 2021 Monthly Water Bill Survey for Single Family Homes (see chart on page 33) showed that North Marin's cost of water service in Novato ranked ninth out of the 17 urban agencies serving the greater San Francisco Bay Area.

Accounting

The Accounting Department is responsible for general accounting and budgeting, payroll, purchasing, treasury management, risk management, materials inventory and human resources. The accounting staff completes a full financial statement monthly with extensive cost-accounting detail allowing District managers to closely monitor revenue and expenditures relative to the adopted budget.

The Government Finance Officers Association (GFOA) has awarded the District a Certificate of Achievement for Excellence in Financial Reporting for its comprehensive annual financial report for fiscal year ended June 30, 2021. This is the 13th consecutive year the District has received this award. The GFOA states that this Certificate of Achievement is the highest form of recognition in governmental accounting and financial reporting, and its attainment represents a significant accomplishment by a government and its management. The following staff members made significant contributions to the FY 20-21 Comprehensive Annual Financial Report: Previous General Manager Drew McIntyre, Julie Blue, Nancy Holton, and Nancy Williamson. The approved audited financial statements for fiscal year ended June 30, 2022 was submitted to GFOA for award consideration in December 2022.

Below image, front left to right: Connie Filippi (Account Clerk II), Karen Clyde (Human Resources and Safety Manager), Terrie Kehoe (District Secretary), and Nancy Williamson (Accounting Supervisor).

Back row left to right: Nancy Holton (Accounting Supervisor), Shawn Cane (Storekeeper), and Julie Blue (Auditor/ Controller).



Fiscal year 2022 financial highlights include:

- The District, on a consolidated basis, received 99% of budgeted operating revenue and expended 114% of budgeted operating expenditures, resulting in a net loss of \$3.3 million. Four million (36%) of the Capital Improvement Project Budget was expended. The year ended with a cash balance of \$44.7 million, an increase of \$20 million from the prior year.
- Novato potable water consumption decreased 20% from the prior fiscal year. Stafford Lake Water Treatment Plant produced 168MG, down 20% from the prior fiscal year. The net loss of \$3.3 million exceeded the \$34,000 budgeted net loss, and compares to a net income of \$463,000 the prior fiscal year. Novato Water ended the fiscal year with a cash balance of \$37.1 million. A 6% increase applicable to Novato Water customers was approved effective July 1, 2021.
- The Novato Sanitary District and Las Gallinas Valley Sanitary District, along with the Deer Island Recycled Facility, combined to produce 252MG of Recycled Water, down 2% from the prior fiscal year. The fiscal year net income of \$83,000 was greater than the \$448,000 budgeted net loss, and compares to a net loss of \$52,000 the prior fiscal year. Recycled Water ended the fiscal year with a cash balance of \$6.2 million. A 6% increase applicable to Recycled Water customers was approved effective July 1, 2021.

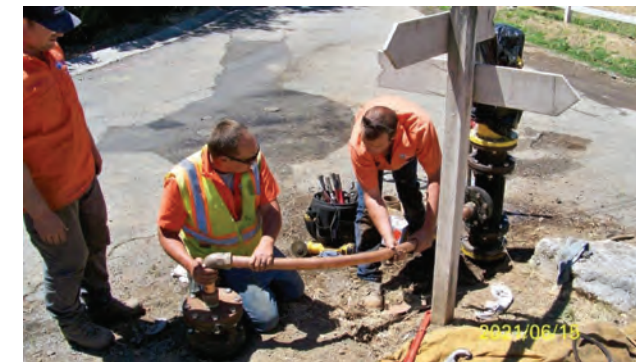
- West Marin Water consumption was down 25% from the prior fiscal year. The \$136,000 net loss compares to a budgeted net income of \$165,000 and to a net loss of \$8,000 from the prior fiscal year. West Marin Water ended the fiscal year with a cash balance of \$793,000. A 6% increase applicable to West Marin Sewer customers was approved effective July 1, 2021.
- Oceana Marin Sewer's net income of \$48,000 compares to a budgeted net income of \$92,000 and to net income of \$48,000 from the prior fiscal year. Oceana Marin ended the year with a \$485,000 cash balance. A 5% increase applicable to Oceana Marin Sewer customers was approved effective July 1, 2021.

Engineering

The Engineering Department consists of professional and technical staff that oversee the planning, permitting, design, construction and project management of water supply, treatment, transmission and distribution facilities necessary to serve the District's customers in Novato and West Marin. Engineering functions for wastewater-related facilities are also provided by the Engineering Department to support the District's wastewater collection, treatment and disposal system in Oceana Marin. Property owners or developers desiring new water or wastewater service or an upgrade to their existing service are assisted by the Engineering Department pursuant to the District's regulations.



STP - Coat top of concrete clearwells



Replacing 6" AC Pipe - Glen Rd

Novato

In the Novato service area, 17 capital projects were originally budgeted. An additional 11 projects were added, four projects were carried over from the previous fiscal year, and no projects were deferred, resulting in an adjusted total of 32 projects. The Engineering Department oversaw 23 of the 32 projects, and 16 of the total number of projects were completed within the fiscal year. Total expenditures equaled \$1,780,882. Some of the significant projects were the Replace 6" AC Pipe (810') – Glen Rd and the Stafford Treatment Plant (STP) Coat Top of Concrete Clearwells (Acti-floc Filter clearwell and Finish water clearwell) projects.

West Marin

In the West Marin service area, including Oceana Marin, seven projects were originally budgeted, four projects were added, none were carried over or deferred, resulting in a total of 11 projects. The Engineering Department oversaw eight of the 11 projects, and total combined fiscal year expenditures equaled \$1,543,724. The most significant project in West Marin was the Paradise Ranch Estates (PRE) Tank 4A Replacement Project.



PRE Tank 4A Replacement

Water Conservation and Communications

North Marin Water District implements a comprehensive and innovative Water Conservation Program aimed at both residential and non-residential customers (commercial and large landscape). Each program element is analyzed to assure that it will efficiently produce long-lasting water savings mutually worthwhile to the customer and the District.

Residential activities include residential water use surveys, high-efficiency washing machine (HEW) rebates (26 rebates), high-efficiency toilet (HET) replacements (133 rebates), a Cash-for-Grass Program (68 rebates), toilet flapper rebates, weather-based irrigation controller rebates, landscape efficiency rebates, a plumbing retrofit-on-resale program (toilets, showerheads, and bathroom sink faucets) and rainwater collection and gray water rebates. Hot water recirculation and pool cover rebates were added during the 2014-2016 drought along with the Lawn be Gone sheet mulching lawn removal program. Water conservation programs for non-residential customers include HET rebates, HEW rebates, and free water audits/surveys. Large landscape audits and landscape efficiency upgrade rebates are also offered to mixed-use accounts and dedicated metered sites. All rebates and incentives were increased in May 2021 in response to the current drought.

The Public Information Program includes a School Education Program (in cooperation with SCWA) and comprehensive Communications Program. In FY 22, the District continued working with Kiosk to implement the public communications plan (or public outreach plan) in response to a goal from the 2018 Strategic Plan. As a part of the plan, Kiosk completed the Novato “Waterline” Newsletters (distributed in Spring and Fall each year). Kiosk continued maintenance of the re-designed District website which included a fresh and modern design along with ADA complaint and mobile configuration attributes. Other communications actions implemented included the redevelopment of the District “Brand” documents including logo and Brand guidelines, new photography of the Board (for the website and other outreach efforts), initiation of refreshment and redesign of District communications materials, and the initiation of a year-long social

media campaign aimed at increasing the quality and frequency of the social media posts on Facebook, Instagram and Twitter. This past fiscal year, the District also embarked on an outreach campaign aimed specifically at informing customers about the Local Water Supply Enhancement study and also the regional study being performed by Sonoma Water. This campaign included newspaper advertisement, social media posts and public workshops.

The District actively maintains a Facebook, Nextdoor, Twitter and Instagram page with regular updates on water use efficiency, construction projects and other appropriate District outreach material. Staff also used the WaterSmart AMI dashboard and customer portal as a public outreach tool to help inform customers on water use patterns and leaks and to also get information to the customers on the drought and other related public workshops and hearings.

Finally, the District requires new development to meet stringent water-use efficiency standards, including: installation of a HEW, HETs, weather-based irrigation controllers, a maximum of 600 square feet of turf for new residential development and no turf for new commercial development, soil amendment and mulching requirements, drip or other subsurface irrigation for all irrigated non-turf areas, and other landscape irrigation efficiency measures that exceed the requirements of the updated State Model Water Efficient Landscape Ordinance.



Construction and Maintenance Department

The Construction and Maintenance Department installs, upgrades, repairs and replaces water main pipelines and their appurtenances on a regular basis in a constant effort to maintain and improve our water facilities and distribution system. Some of these appurtenances may include water services, water meters, fire hydrants, fire services, isolation valves, air relief valves, and water tanks for both potable and recycled water systems. Our facilities and responsibilities are in Novato, West Marin and the sewer system for Oceana Marin. Contractors and developers also regularly call upon this Department to install, inspect and ultimately assume control of these assets.

The Construction and Maintenance Department is also responsible for upgrading water line sizes and meters to comply with Novato Fire Protection requirements for fire sprinklers and City of Novato requirements for accessory dwelling units (ADU). The Department's distribution crew is responsible for flushing and disinfection of pipelines, leak detection, marking and locating our facilities (as part of the Underground Service Alerts system "USA") and operating and performing maintenance on approximately 12,000 valves and close to 3,000 fire hydrants in the Novato and West Marin areas.

During FY 21-22, North Marin Water District Construction and Maintenance crews replaced or repaired 41 polybutylene (Pb) services and 21 copper water services due to leaks. Upgrades were made to 19 water services for fire sprinklers and 11 for ADUs, and new installations were completed for two new recycled water services and two new single-family residences. Crews also repaired 17 different water main leaks and replaced three inline valves.

In addition to fixing leaks, crews are working on developer jobs and District capital improvement projects. This past year, some of these developer jobs include Redwood Credit Union upgrades (water service, fire service, fire hydrant), Bel Marin Keys Blvd upgrades, Hamilton Landing Homes, Atherton Place Homes, Landsea Homes,

Springbrook Homes, Bridge Road Improvements and the Silver Hills neighborhood in West Marin for a culvert replacement project. Some notable capital improvement projects are Old Ranch Rd Tank replacement, ongoing Pb service replacements, the District Yard Main Loop project and the construction of the new Gallagher Well No. 2.



Crew installing a tee for Gallagher Well Project in West Marin

North Marin Water District Construction and Maintenance staff are on call and ready to respond to emergencies at all times including nights, weekends and holidays. This department is first to respond to service leaks, water main breaks or any other concerns that our customers may have. Our goal is to work hand-in hand with the public, developers/contractors and other local municipality agencies to provide water and reliable facilities to North Marin Water District customers at all times.

Crew performing a "wet tap" on a 16in PVC water main for the Hamilton Village development.

Operations and Maintenance Division

The Operations and Maintenance (O&M) Division is comprised of three groups – Operations, Maintenance, and Water Quality – which work together to provide Novato and West Marin customers with good water and good service at good value while continuing to provide a safe place to work. Along with these groups, the O&M Technical Assistant provides document control for the Cross Connection Control, Maintenance Management and Asset Management programs, as well as managing the District’s Recycled Water program and monitoring water loss. The O&M staff also oversee Environmental, Water Treatment and Distribution operational permits, Waste Water operational permits, and Water Quality compliance reporting.

Operations Group

The Operations Group employs six staff that are certified in water distribution and treatment operations, as well as two operators that are certified to operate our waste water collection and treatment facilities in Oceana Marin. This team works closely with the Water Quality Group, sharing the responsibility of monitoring the Stafford Lake watershed and working cooperatively with landowners, including the Indian Valley Golf Course and the Marin County Parks and Open Space District.

The Operations Group manages the potable water supply and distribution systems for Novato and West Marin communities and the wastewater system in Oceana Marin as well as the Novato recycled water transmission and distribution systems. They balance the tasks of treating and distributing water from Stafford Lake and imported Russian River water, while maintaining appropriate water storage and pressure levels to reliably meet all water system demands and fire protection requirements.

In Novato, the group manages storage of up to 37 million gallons (MG) of potable finished water in 35 tanks through four hydraulic pressure zones with 27 pump stations. There are 1.5MG of recycled water storage and 17 miles of distribution mains providing 95 customer sites with recycled water from Deer Island, Novato Sanitary District and the Las Gallinas Valley Sanitary District Recycled Water Treatment Facilities. In FY 21-22, 10% of the water supplied to our Novato customers was recycled water, 11% was from Stafford Lake Treatment Plant, and the remaining 79% was from Sonoma Water.

In West Marin, the group operates the Lagunitas Creek wells, Point Reyes Treatment Plant, six pump stations, and 13 storage tanks in Point Reyes Station, Olema, Inverness Park, Paradise Ranch Estates, and Bear Valley. The department also operates and maintains nine miles of sewer collection piping and a 90,000 gallon per day facultative wastewater treatment pond with an eight acre irrigation field for the wastewater system in Oceana Marin.

During FY 21-22, the Operations and Maintenance Division conducted over 500 routine maintenance tasks and implemented several improvement projects, including: Replacing Chemical Tank #2 at the San Marin Pump Station; double containment recoating the chemical storage area; overhauling the pressure regulation stations in Black Point, Novato (at Harbor Drive and Iolanthus Avenue); installing an in-tank mixing system at the Black Point tank; overhauling the chlorine dioxide generator; removing and replacing two variable frequency drives for the Stafford Lake Treatment Plant high-service pump station; rebuilding sodium hydroxide pumps and controls; installing ferric chloride supply piping; and replacing seven chemical pumps.

The annual Chemical Bid Program resulted in increased costs for the four primary treatment plant chemicals - Ferric Chloride, Chlorine, Sodium Hypochlorite and Sodium Hydroxide - which were up by 77% on average.



Stafford Treatment Plant operators training with the Marin County Hazardous Materials Response Team at the plant in Novato.



Jessica Nommsen,
Chemist



Gallagher Well field during the Gallagher well #2 testing. Water was provided to several local ranchers at no cost during the drought.

Maintenance Group

The Maintenance Group employs seven technicians - Electrical/Mechanical (E/M), Building/Grounds, Fleet, Distribution Cross Connection Control and a Technical Program Administrator - who are responsible for all maintenance tasks throughout the Novato, West Marin and Oceana Marin service areas.

The Group works closely with the Engineering and Construction Departments on new projects for electrical and mechanical installations, and with Operations to ensure proper operation of Treatment and Distribution facilities for continuous service to our customers. Throughout the service area the E/M team maintains the Supervisory Control and Data Accusation (SCADA), Advanced Meter Infrastructure (AMI) and computer network communication systems.

In Novato, facilities include the Stafford Lake Water Treatment Plant, Deer Island Recycled Water Treatment Facility, pump stations, tanks, pressure regulators and cross connection devices, while also maintaining the Office and Corporation yard facilities. In West Marin, the Maintenance Group maintains the Lagunitas Creek wells, Point Reyes treatment plant, tanks and pump stations. Additionally, the group maintains the collection and wastewater treatment operations in Oceana Marin.



Novato residential recycled water fill station.



Stafford Treatment Plant High-Service Pump Station variable frequency drive replacement.

Water Quality Group

The Water Quality Group is a team of five chemists and lab technicians who provide oversight to all aspects of North Marin Water District's operations, ensuring that water quality is protected using a multi-barrier approach.

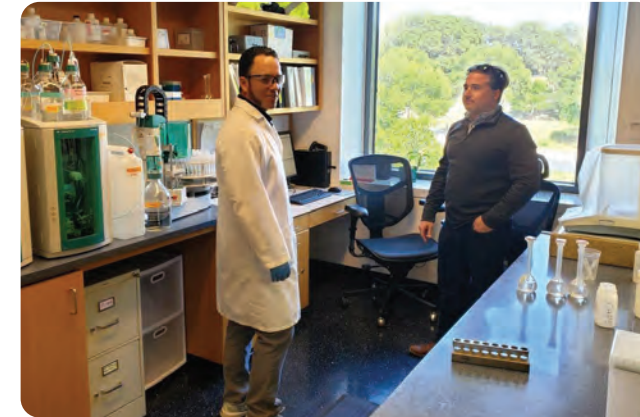
The primary goal of the District is for water at every tap to be safe and taste good. The objectives toward meeting this goal, collaboratively established by the District's Board of Directors and staff, are to meet or exceed all regulatory standards, work to control or prevent all adverse tastes and odors, and work with appropriate agencies to protect public health.

Surveillance and monitoring is performed at multiple points from source to tap. During FY 21-22, the District's laboratory performed over 13,000 water quality tests as required by state and federal drinking water regulations and to support the work performed by other District departments. Annually, a water quality report is sent to all District customers in both Novato and West Marin. In addition, Water Quality staff respond to customer calls with specific information on water quality.

The District's Water Quality laboratory is certified by the California Environmental Laboratory Accreditation Program to perform analyses for both regulated and unregulated contaminants. The laboratory provides testing services to other District divisions for quality control of the water supply as well as testing in response to customer concerns. The laboratory also provides the Novato Sanitary District with sample collection, analysis and reporting.

Routine tests are performed on the bacterial, algal and chemical conditions of the source water in Stafford Lake and the Point Reyes wells. High nutrient levels can increase algal growth, which can result in taste and odor problems. Tests are also conducted on the water purchased from Sonoma County Water Agency.

Salinity levels continue to rise above North Marin Water District's customer notification level (50mg/L sodium) despite the blending of the Gallagher well water with the Coast Guard wells. The good news for the Point Reyes customer base is that the new Gallagher well was completed and the salinity levels have dropped and stayed below the notification levels through the end of the year.



Pablo Ramudo and Marc Reischmann organizing the temporary laboratory facilities at the Buck Institute.

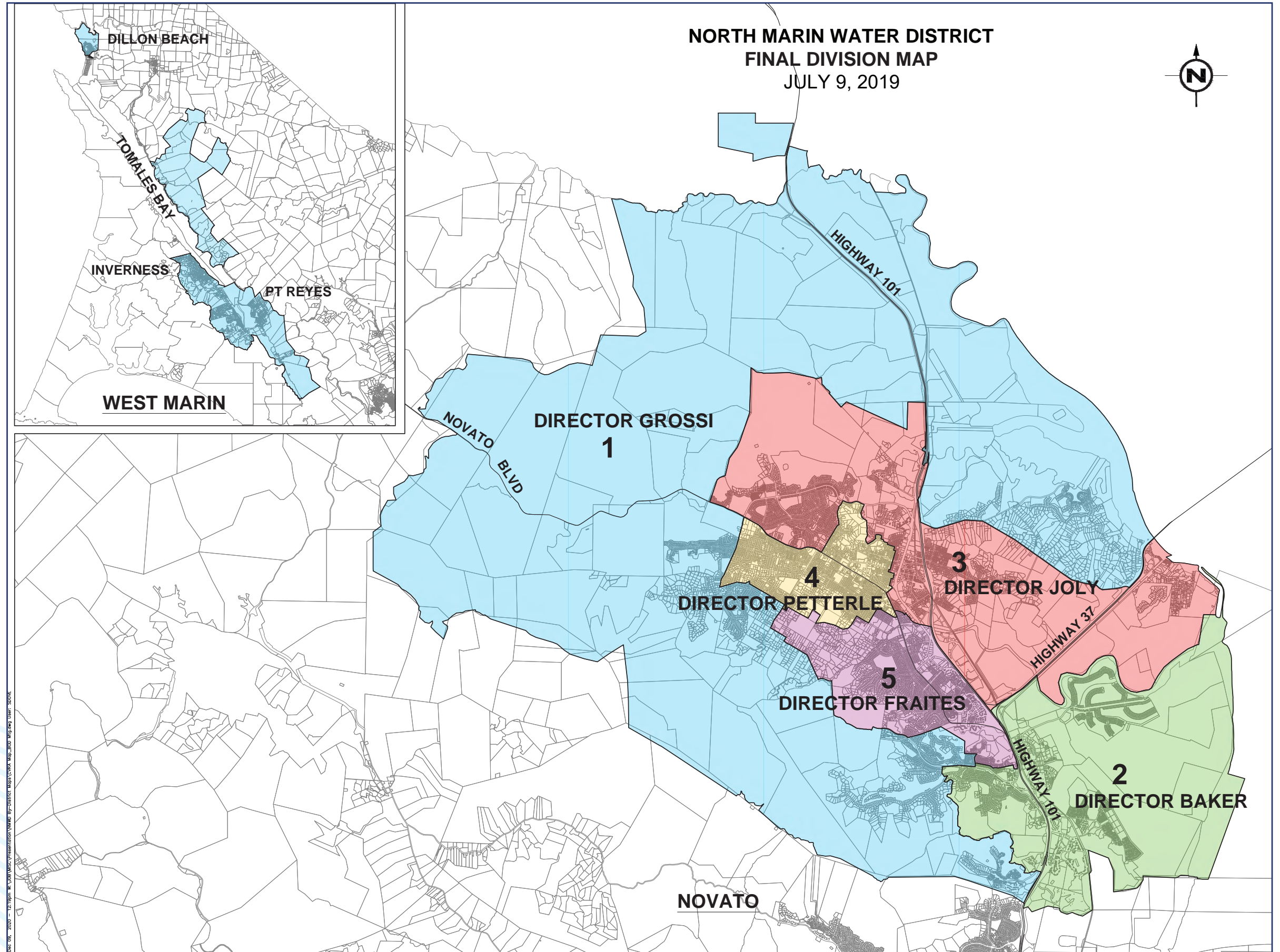
The quality of water in the Novato and Point Reyes distribution system met all regulatory requirements. Operational controls to maintain chlorine residuals were effective in maintaining disinfection. The distribution water quality programs including flushing and cross-connection control were performed. Storage tanks were given their full annual inspection by the Operations and Maintenance staff, which helps determine tank-cleaning priorities.

Between August and December, Water Quality staff completed a series of monitoring samples for cyanotoxins in Stafford Lake and the treated water from the Stafford Lake Treatment Plant. No toxins were ever detected in the treated water and it is not expected that they can make it through the chemical treatment and absorption through granular activated charcoal.

In 2019 the District transitioned from an “At-large” to a division-based election system in conformance with the California Voting Rights Act of 2001.

The map to the right depicts the boundaries of the five Divisions within the territorial boundary of the District. After the 2020 Census was developed and the data made available, there were no significant population shifts that required adjustments in division lines.

In fact, the 2020 Census data indicated improved population balance among the District’s five electoral divisions, meaning that the current districts as shown in the map comply with the constitutional requirement that the districts have equal population.

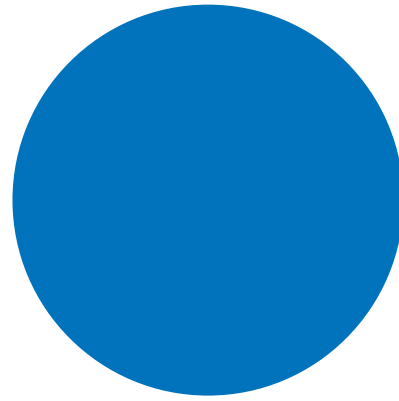


The District has a unique territorial boundary (or boundaries as indicated) that includes: the Novato Water System that covers all of the City of Novato and surrounding unincorporated areas; the West Marin Water System that covers Point Reyes Station, Olema, Bear Valley, Silver Hills, Inverness Park and Paradise Ranch Estates; the Oceana Marin Wastewater System; and an area on the eastern side of Tomales Bay near Marshall that currently has no services available.

North Marin Water District Boundary Map

- Marin County
- North Marin Water District Service Boundary



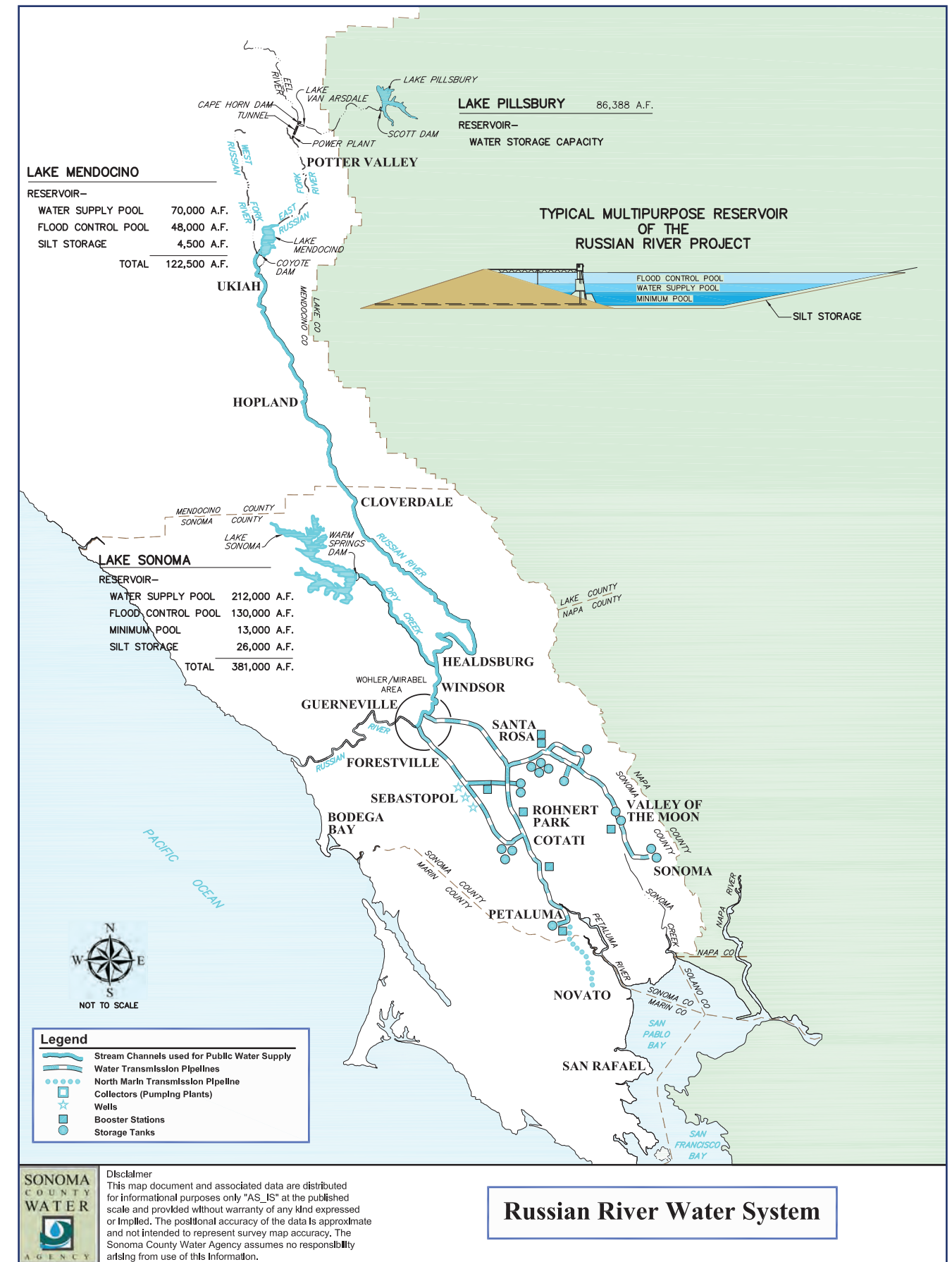
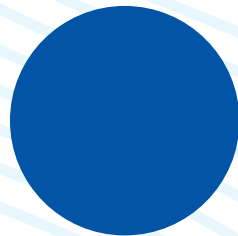


The District has been a long-time water contractor with Sonoma Water and received approximately 75 to 80% of its annual water supply from the Russian River.

The Russian River watershed includes two major reservoirs, Lake Mendocino and Lake Sonoma, which provide not only critical water supply but also flood protection for communities in Mendocino and Sonoma counties. The Russian River water is naturally filtered and, after disinfection by Sonoma Water, it is delivered to the water contractors through a series of large transmission pipelines or “aqueducts.”



Avram Pearlman and Joe Kauwe of Engineering

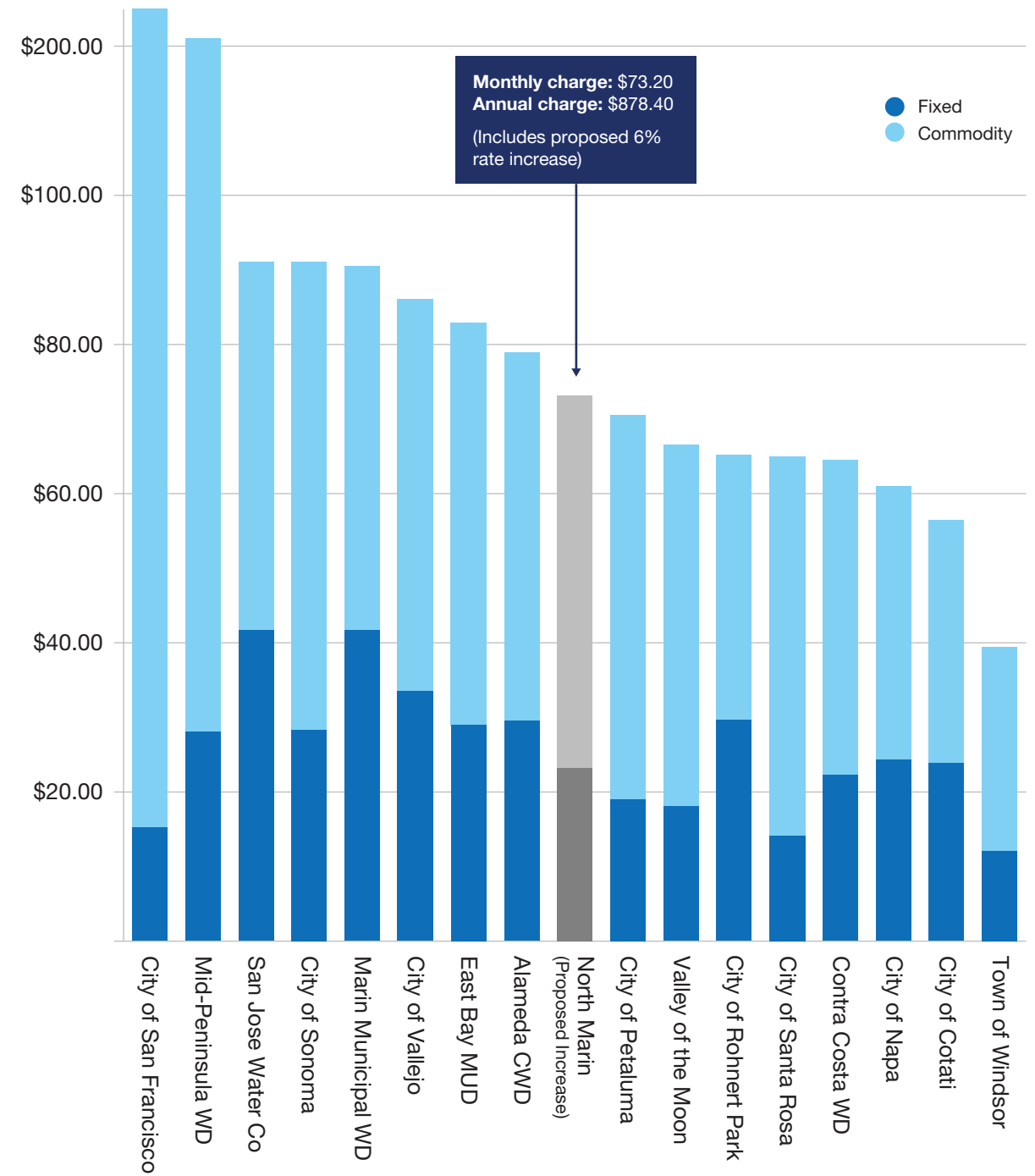




Roy Foster,
Water Distributor
& TP Operator

Novato Water Rate Comparison 2022

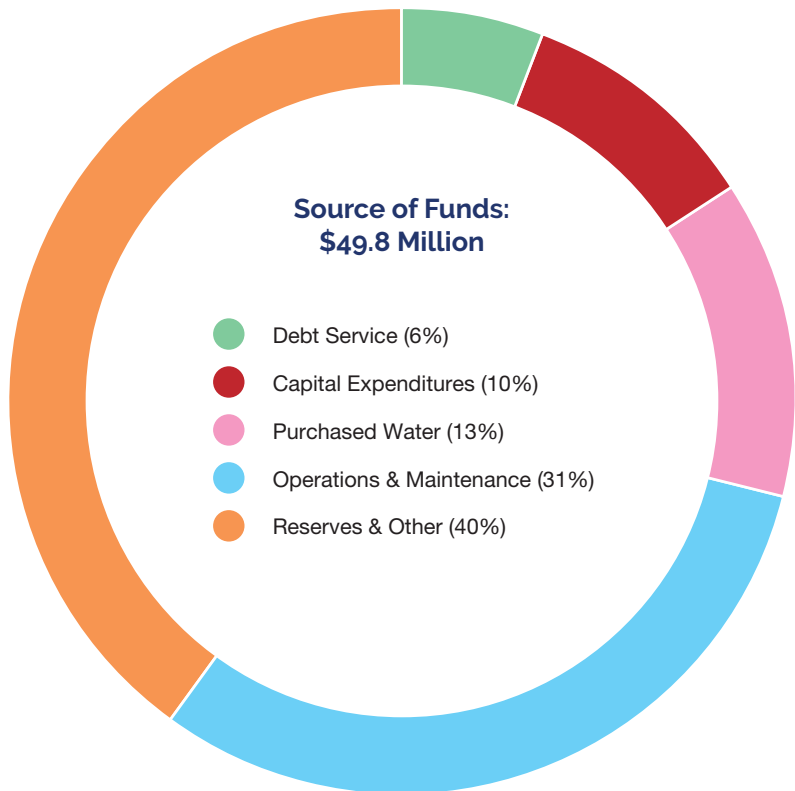
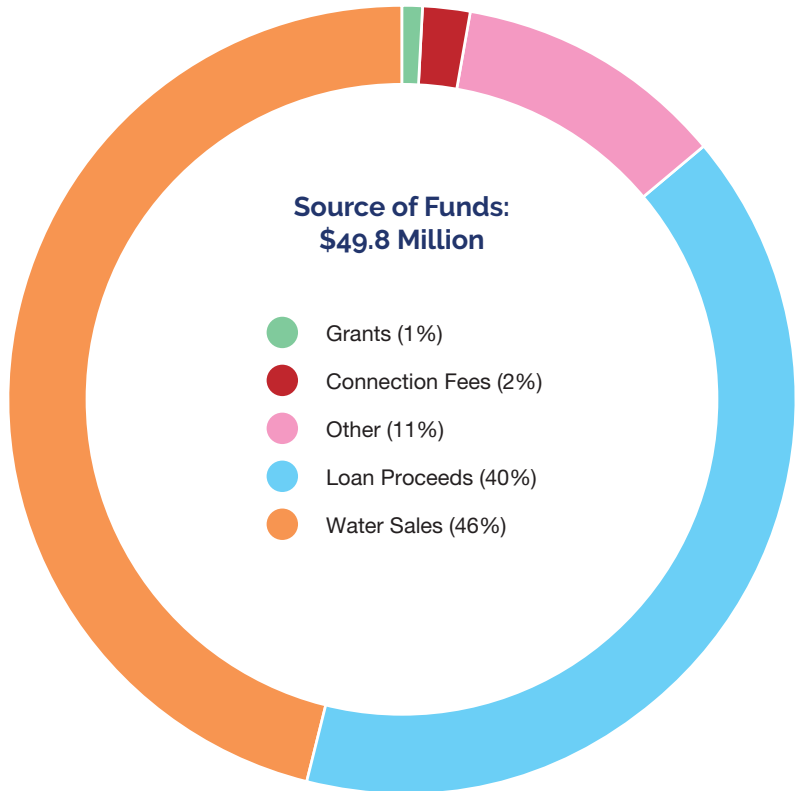
Monthly water bill survey for single family homes with median usage (8,050 gallons per month)



Source and Use of Funds



Eileen Mulliner,
Engineering
Secretary





Kent LeBrun,
Maintenance
Supervisor

Characteristics of Service Areas

Statistics (at June 30, 2021)	Water		Sewer	Total
	Novato Potable & RW	West Marin Service Area	Oceana Marin	
Service Area (Square Miles)	75	24	1	100
Active Connections	20,797	789	235	21,821
Dwelling Units	24,094	837	235	25,166
Estimated Population	61,693	1,800	500	63,993
Average Household Size (People)	2.6	2.2	2.1	2.5
FTE Employees	51.0	-	-	51.0
Fire Hydrants	2,722	172	-	2,894
Miles of Pipeline	341	26	5	372
Storage (million gallons)	39.0	1.0	-	40.0
Annual Water Volumes (MG) (FY2021-22)				
Russian River Water Purchases	1,889			1,889
Stafford Water Treatment Plant	168			168
Recycled Water	230			230
Point Reyes Water Treatment Plant		53		53
Oceana Marin Wastewater Treatment			6	6
Total Water Production	2,287	53	6	2,346
RR Water Wheeled to MMWD	2,786			2,786
Annual Budget - FY2021-22				
Operating Revenue	\$22,329,000	\$1,012,000	\$290,000	\$23,631,000
Connection Fees/Misc	1,168,000	62,000	64,000	1,294,000
Grant/Loan Proceeds	3,125,000	550,000	1,450,000	5,125,000
Contribution (To)/From Reserves	2,768,000	242,000	-1,000	3,009,000
Total Sources	\$29,390,000	\$1,866,000	\$1,803,000	\$33,059,000
Operating Labor	\$6,787,000	\$371,000	\$99,000	\$7,257,000
Other Operating Expense (less Deprec)	11,049,000	239,000	110,000	11,398,000
Capital Expenditures	7,312,000	1,085,000	1,590,000	9,987,000
Debt Service & Other Expenditures	4,242,000	171,000	4,000	4,417,000
Total Outlays	\$29,390,000	\$1,866,000	\$1,803,000	\$33,059,000
Annual Water/Sewer Cost (FY2021-22)				
to Typical Single-Family Detached Residence	Novato	West Marin		
Service Charge	\$43.95/2 mo.	\$42.59/2 mo.	\$108.00/mo.	
Annual Consumption (Typical)	97,000 gal	52,200 gal		
Wt'd Avg Water Rate / 1,000 gal ¹	\$6.93	\$11.82		
Typical Annual Cost:				
Service Charge	\$264	\$256	\$1,296	
Commodity Charge	\$672	\$617	\$0	
Allocated Tax 2	\$0	\$82	\$289	
Total Annual Cost	\$936	\$955	\$1,585	

Notes

¹ FY22 weighted average commodity rate. Rates vary by elevation zone to reflect different energy, pumping and storage costs. Novato rates ranged from \$6.18 to \$8.54 per 1,000 gallons, and in West Marin from \$8.88 to \$15.04. Average excludes tier rate charges as typical residential consumption is below tier threshold.

² FY22 allocated share of Marin County 1% ad valorem tax per active connection. Tax is collected by the County and allocated by formula to the West Marin districts.

Summary Financial Information

June 30, 2022	Total	Novato Water	Novato Recycled	West Marin Water	Oceana Marin Sewer
Net Assets					
Assets					
Cash & Investments	\$44,658,187	\$37,160,663	\$6,219,625	\$793,256	\$484,643
Receivables & Other Assets	13,249,726	11,477,055	1,510,905	258,299	3,467
Construction-in-Progress	8,520,571	6,260,780	89,594	1,847,536	322,661
Property, Plant & Equipment (net)	132,283,244	94,638,525	30,352,213	6,348,217	944,289
Total Assets	\$198,711,728	\$149,537,023	\$38,172,337	\$9,247,308	\$1,755,060
Liabilities					
Current Liabilities	\$9,632,352	\$8,180,382	\$1,102,537	\$335,157	\$14,276
Long-Term Debt	68,822,799	54,846,135	12,464,233	1,512,431	-
Total Liabilities	\$78,455,151	\$63,026,517	\$13,566,770	\$1,847,588	\$14,276
Net Assets					
Invested in Capital Assets	\$146,160,546	\$109,317,299	\$27,485,372	\$7,880,497	\$1,477,378
Restricted & Designated Reserves	3,103,369	112,355	3,745,283	-608,609	(145,660)
Earned Surplus	-29,007,338	-22,919,149	-6,625,087	127,832	409,066
Net Assets	\$120,256,577	\$86,510,505	\$24,605,568	\$7,399,720	\$1,740,784
Revenue & Expense					
Operating Revenue	\$23,587,781	\$20,773,979	\$1,657,333	\$866,009	\$290,460
Operating Expense	25,686,578	22,938,477	1,385,891	1,048,671	313,539
Operating Income/(Loss)	(\$2,098,797)	(\$2,164,498)	\$271,442	(\$182,662)	(\$23,079)
Non-Operating Revenue/(Expense)	-1,169,574	-1,098,938	-188,749	47,029	71,084
Net Income/(Loss)	(\$3,268,371)	(\$3,263,436)	\$82,693	(\$135,633)	\$48,005
Cash Flow					
Net Income/(Loss)	(\$3,268,371)	(\$3,263,436)	\$82,693	(\$135,633)	\$48,005
Add Back Depreciation	4,023,236	3,007,398	768,645	200,647	46,546
Cash Generated	\$754,865	(\$256,038)	\$851,338	\$65,014	\$94,551
Other Sources/(Uses)					
Connection Fees	\$961,980	\$900,380	-	61,600	-
Loan Proceeds	20,000,000	20,000,000	-	-	-
Capital Asset Acquisition	-4,939,980	-4,228,666	(26,444)	-634,501	(50,369)
Principal Paid on Debt	-2,133,404	-1,383,201	(699,681)	-50,522	-
Grant Proceeds	273,009	-	146,634	124,168	2,207
Caltrans Capital Contributon	90,393	90,393	-	-	-
Connection Fee Transfer	-	(743,438)	743,438	-	-
Working Capital & Miscellaneous	5,053,774	4,118,826	-76,407	1,016,117	-4,762
Total Other Sources/(Uses)	\$19,305,772	\$18,754,294	\$87,540	\$516,863	(\$52,925)
Net Cash Generated/(Used)	\$20,060,636	\$18,498,256	\$938,879	\$581,877	\$41,624



Austin Simpson,
Water Distributor
& TP Operator



Brian Northern,
Utility Worker II

Historical Statistics

Fiscal Year Ending June 30:	2022	2021	2020	2019	2018
Active Services					
Novato Water	20,700	20,607	20,554	20,546	20,543
Novato Recycled	97	96	91	91	66
West Marin Water	789	785	782	783	783
Oceana Marin Sewer	235	235	235	234	234
Total Active Services	21,821	21,723	21,662	21,654	21,626
Full-Time Equivalent (FTE) Employees	51.0	50.0	50.0	52.0	53.0
FTE Employees per 1,000 Active Services	2.3	2.3	2.3	2.4	2.5
Property, Plant and Equipment (millions)	\$212.8	\$207.5	\$202.6	\$198.5	\$194.1
FTE Employees per \$1M Capital Assets	0.24	0.24	0.25	0.26	0.27
Miles of Pipeline	367	366	365	364	364
Storage (MG)	40.0	40.0	40.0	40.0	40.0
Water Production (MG)					
Point Reyes Treatment Plant	53	74	76	81	81
Stafford Treatment Plant	168	211	686	567	646
Recycled Water	230	257	229	191	155
Russian River Water Purchases	1,886	2,380	1,919	1,863	1,947
Total Water Production	2,336	2,923	2,910	2,702	2,829
Wheeled to Marin Municipal WD	2,786	2,566	1,800	1,728	1,683
Novato Service Area Average Day Potable Water Production (MG)					
Annual	5.6	7.1	7.1	6.7	7.1
Peak Month	8.1	11.6	14.5	11.9	10.7
Peak Week	8.4	12.7	16.2	11.4	10.3
Peak Day	9.0	14.4	18.1	13.7	13.2
Financial History					
Source of Funds					
Water Sales	\$22,898,960	\$24,756,773	\$23,162,788	\$21,147,467	\$21,328,795
Investment Earnings	-252,240	215,069	632,208	484,686	243,752
Tax Revenue	125,633	125,416	120,821	115,706	109,908
Grant Proceeds	273,009	86,060	336,398	20,191	592,907
Connection Fees	961,980	3,496,089	1,531,535	1,492,380	1,455,400
Loan Proceeds	20,000,000	-	-	-	6,393,836
Other Sources	5,837,584	1,114,838	3,718,247	1,698,238	1,413,583
	\$49,844,926	\$29,794,245	\$29,501,997	\$24,958,668	\$31,538,181
Use of Funds					
Purchased Water	\$6,339,645	\$8,536,957	\$6,978,395	\$5,383,444	\$5,350,855
Operation & Maintenance	15,323,697	12,200,113	12,428,759	10,987,701	11,110,175
Debt Service	3,040,446	2,849,550	2,920,230	2,749,713	2,201,451
Capital Expenditures	4,939,981	3,853,557	3,419,820	3,989,561	11,270,831
Other Uses	140,522	5,334	444,649	-210,161	-3,406,707
Reserves	20,060,635	2,348,734	3,310,144	2,058,410	5,011,576
	\$49,844,926	\$29,794,245	\$29,501,997	\$24,958,668	\$31,538,181
Net Assets					
Assets	\$198,711,728	\$177,437,410	\$174,194,976	\$167,702,424	\$166,351,644
Liabilities	78,455,151	55,753,246	57,481,213	56,903,171	59,528,196
Net Assets	\$120,256,577	\$121,684,164	\$116,713,763	\$110,799,253	\$106,823,448



In Memory of
Director James Grossi

Serving on the board from 2017 to 2022.



Stafford Lake looking north.



nmwd.com

Phone: 415-897-4133 (Weekdays 8am – 5pm)

Email: info@nmwd.com

Mailing Address: PO Box 146, Novato, CA 94948-0146

Payment Address: PO Box 511529, Los Angeles, CA 90051-8084

West Marin Customers

Call (toll free): 1-800-464-6693

Emergencies & After Hours

Call: 415-897-4133

After hours calls are answered by an outside on-call service center. Please call our main line at (415) 897-4133 and press option 7 to be connected to the after hours services who then contacts District on-call personnel.

Cover: James Lemos, Elec/Mechanical Technician

11

DISBURSEMENTS - DATED MARCH 9, 2023

Date Prepared 3/6/23

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 2/28/23	\$174,728.20
90570*	Internal Revenue Service	Federal & FICA Taxes PPE 2/28/23	75,591.39
90571*	State of California	State Taxes & SDI PPE 2/28/23	15,956.15
90572*	CalPERS	Pension Contribution PPE 2/28/23	44,087.67
90569*	CalPERS	March Insurance Premium (Employer \$55,059, Retirees \$12,193 & Employee Contribution \$8,688)	75,940.08
1	All Star Rents	Trencher, Trailer & Compressor Rental (1 Day)	531.62
2	AT&T	Telephone (\$74), Fax (\$59), Leased Lines (\$142) & Data (\$257)	532.69
3	Automation Direct	Analog Input Modules (4) & Power Supply	898.39
4	Clyde, Karen	Exp Reimb:CalGov HR Membership & 2023 Conference/Expo Registration	859.00
5	Comcast	March Phone Services (Wood Hollow, Buck Inst, District Yard & STP)	1,471.59
6	Comcast	Ethernet Dedicated Internet (999 Rush Creek Place)	1,562.93
7	Consolidated CM	Prog Pymt#21: Provide Construction Management Services for NMWD Admin Building Renovation (Balance Remaining on Contract \$526,427)	45,657.54
8	Core Utilities, Inc	Consulting Services: January IT Support (\$6,000), SCADA Programming/Support & Labor to Integrate SCADA System w/Fiber Internet	6,675.00
9	Core & Main	Gasket, Valves (4), Clamps (200), Elbows (15), Caps (15) & Tees (12)	1,394.22

Seq	Payable To	For	Amount
10	Covia Solutions Inc.	Plastic Wrapping (14 Pallets) & Filtersil Paper Bags (50 lbs) (\$8,234) (STP)	8,752.90
11	Cuomo, Celia	Refund Alternative Compliance Reg 15 Deposit	630.00
12	DataTree	February Subscription to Parcel Data Info	100.00
13	Direct Line	February Telephone Answering Service	177.00
14	Durkin Signs & Graphics	Vinyl NMWD Vehicle Numbers (38)	453.53
15	ETS	Prog Pymt#2: Environmental Testing Services on Fill Materials (Balance Remaining on Contract \$6,420)	1,390.00
16		Vision Reimbursement	213.00
17	Grainger	Miscellaneous Maintenance Tools & Supplies	1,059.19
18	Johnson III, Kenneth	Exp Reimb: D1 Test & Certification Request	120.00
19	Kane, Shawn	Exp Reimb: Snacks for Excavation & Trenching Class on 3/2/23	88.75
20	Lincoln Life Employer Serv	Deferred Compensation PPE 2/28/23	11,704.87
21	Mallory Safety and Supply LLC	Chlorine Gas Detector & Gas Monitor Carrying Cases (3)	881.81
22	Marin County Tax Collector	FY22 Possessory Interest Tax (Apartment)	474.84
23	McMaster-Carr Supply Co	Strut Mount Routing Clamps (12)	158.80
24	MISCOWater	Maintenance Parts for Prominent Pumps (STP)	5,380.84
25	Nationwide Retirement Solution	Deferred Compensation PPE 2/28/23	2,035.00
26	Noll & Tam Architects	Prog Pymt#21: Consulting Services for NMWD Headquarters Upgrade A/E Services (Balance Remaining on Contract \$177,892)	36,744.00
27	NTU Technologies, Inc.	Cationic Coagulant (48,520 lbs) (STP)	45,698.56
28	ODP Business Solutions, LLC	Replacement Scanner & Misc Office Supplies	716.29
29	Recology Sonoma Marin	February Trash Removal	618.51
30	Scott Technology Group	Monthly Maintenance on Engineering Copier & Contract Overage Charge	340.67

DISBURSEMENTS - DATED MARCH 16, 2023

Date Prepared 3/13/23

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
1	Able Tire & Brake	Tire ('20 F150)	\$260.91
2	Aftertec Inc.	Aerial Photography (Water Supply Enhancement)	259.00
3	Arendell, Tony	Retiree Exp Reimb (Mar Health Ins)	1,234.14
4	Battle Born Media-Marin	Ad & Advertorial for Novato Advance-City Guide Publication	550.00
5	Bay Area Crane Services, Inc.	Crane Truck Services (Split Case Pump @ STP)	1,800.00
6	Building Supply Center	Steel Wire (30 ft.)	9.73
7	Caltest Analytical Laboratory	Lab Testing	211.60
8	CDW-Government, Inc.	Data Collection Terminal (\$1,779) & Essential Service Agreement for Warehouse Scanner	2,247.23
9	Chandrasekera, Carmela	Retiree Exp Reimb (Mar Health Ins)	1,234.14
10	Cilia, Joseph	Retiree Exp Reimb (Mar Health Ins)	457.46
11		Vision Reimbursement	287.00
12	Clark, Robert E.	Exp Reimb: AWWA Spring Conference Registration & Airfare in San Diego (4/2-4/5/23)	1,021.80
13	The Climate Registry	Annual Membership (Clark) (Budget \$800)	785.00
14	Comcast	March Internet Services (1250 Lynwood Drive & 100 Wood Hollow)	566.10
15	Core & Main	Elbows (12), Couplings (4) (\$1,475), Pipe (80'), Tapping Sleeve, Unions (8) & Spools (4) (\$1,875)	5,576.48
16	Enterprise FM Trust	Monthly Leases for Nissan Rogue (2), Nissan Frontier (2), F-150's (7), F-250's (2), Ford Rangers (5), Chevy Bolts (2) & Chevy Colorado	12,488.98

Seq	Payable To	For	Amount
17	Fiserv/Bastogne Inc.	Return Payment-Not Our Account	194.50
18	Forevergreen Landscape and Maintenance	Mowing Services @ Lynwood P/S	485.00
19	Foroutan, Giti	Refund Overpayment on Closed Account	188.96
20	Freyer & Laureta, Inc.	Prog Pymt#15: Engineering & Design Services for NMWD Hydropneumatic Pressure Stations (\$2,560) (Balance Remaining on Contract \$25,492) & Prog Pymt#4: Engineering & Design Services for NMWD's Lynwood Pump Station (\$17,319) (Balance Remaining on Contract \$118,863)	19,879.00
21	Friedman's Home Improvement	Irrigation Parts (Palmer Tank)	559.43
22	Grainger	Miscellaneous Maintenance Tools & Supplies	412.19
23	Hochstaedter, Hwei-Ru	Novato "Toilet Rebate" Program	250.00
24	Kemira Water Solutions	Ferric Chloride (10 Dry Tons) (STP)	12,302.29
25	Kiosk Creative LLC	Marketing Communication & Outreach Services (Balance Remaining on Contract \$31,060)	5,231.69
26	Latanyshyn, Roman	Retiree Exp Reimb (Mar Health Ins)	457.46
27	Lemos, Kerry	Retiree Exp Reimb (Mar Health Ins)	1,234.14
28	Manzoni, Alicia	Retiree Exp Reimb (Mar Health Ins)	457.46
29	Marin County Ford	Service Parts ('20 F250)	123.72
30	McLellan Co, WK	Misc Paving	28,880.33
31	North Marin Auto Parts	Terry Cloth Rags (10 lbs)	143.15
32	North Bay Gas	Carbon Dioxide Dip Tube, Nitrogen & Breathing Air	218.43
33	Novato Builders Supply	Concrete (Residence Inn By Marriot)	219.16
34	ODP Business Solutions, LLC	Misc Office Supplies, Office Chair & Folding Tables (2) (Eng)	1,048.13
35	O'Reilly Auto Parts	Wiper Fluid & Brake Cleaner	171.47
36	Pace Supply	Valve Nut & Key	366.84

Seq	Payable To	For	Amount
37	Parkinson Accounting Systems	Accounting Software Support	682.50
38	Peterson Trucks	Labor to Diagnose & Repair Drivability Problem (\$4,064) ('09 Peterbilt 335 Crew) & Opacity Test ('06 Int'l 4300 Crew Truck)	4,168.66
39	Pini Hardware	Miscellaneous Maintenance Tools & Supplies	559.10
40	Point Reyes Light	Subscription Renewal (1 year)	60.00
41	Redwood Painting Co., Inc.	Painting & Coating Services for STP Chemical System Upgrade (Balance Remaining on Contract \$191,471)	7,943.86
42	Rupp, Steve	Retiree Exp Reimb (Mar Health Ins)	457.46
43	Scott Technology Group	Replacement Admin Copier	17,429.74
44	Toyota Material Handling	Labor to Diagnose Battery ('18 Polaris Generator)	196.00
45	VBS CAL LLC	Plotter Paper (Eng)	100.45
46	Verizon Wireless	Cellular Charges: Data (\$1,270), Airtime, iPads for Asset Management & Equipment	1,626.34
47	Verizon Wireless	February SCADA & AMI Collectors (\$650)	850.76
48	Wahlberg, Richard	Novato "Pool Cover Rebate" Program	75.00
49	Weishaar, Richard	Refund Over Payment on Closed Account	119.56
50	Williams, Anthony	Exp Reimb: Mileage for Water Education Foundation Conference	102.05
51	Wine Country Water Works Association	Membership, & Napa Sanitation Tour and Cross Connection Training (LeBrun & Bergstrom)	140.00
52	West Yost Associates	Prog Pymt#17: Recycled Water Reg 18 Update (Balance Remaining on Contract \$93.763)	3,525.50

Seq	Payable To	For	Amount
53	ZORO	Trimmer Line & Adhesive Tape	79.33
		TOTAL DISBURSEMENTS	<u>\$139,929.23</u>

The foregoing payroll and accounts payable vouchers totaling \$139,929.23 are hereby approved and authorized for payment.

Julie Blue 03/15/2023
 Auditor-Controller Date

[Signature] 3/15/2023
 General Manager Date

NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR February 2023
 March 21, 2023

1.

Novato Potable Water Prod* - RR & STP Combined - in Million Gallons - FYTD

Month	FY22/23	FY21/22	FY20/21	FY19/20	FY18/19	23 vs 22 %
July	224.5	282.9	341.7	317.7	341.1	-21%
August	235.9	212.4	290.1	287.1	300.9	11%
September	203.5	214.5	225.6	280.5	255.0	-5%
October	191.6	198.5	307.8	286.0	265.6	-4%
November	137.4	94.1	201.6	226.3	170.1	46%
December	106.6	137.1	183.0	141.2	157.8	-22%
January	113.8	118.3	156.6	111.9	114.7	-4%
February	105.2	118.6	110.5	120.3	110.9	-11%
FYTD Total	1,318.4	1,376.5	1,816.7	1,770.9	1,716.0	-4%

West Marin Potable Water Production - in Million Gallons - FY to Date

Month	FY22/23	FY21/22	FY20/21	FY19/20	FY18/19	23 vs 22 %
July	6.3	6.0	8.2	8.9	10.2	4%
August	6.8	5.7	9.2	8.4	9.9	19%
September	6.3	5.9	7.9	7.8	9.5	8%
October	5.7	5.1	6.7	7.5	8.3	13%
November	4.6	3.5	5.8	6.7	7.3	30%
December	4.3	4.0	5.1	4.8	5.7	7%
January	3.9	3.8	4.2	4.1	5.0	4%
February	3.3	4.0	3.8	4.4	3.5	-16%
FYTD Total	41.3	37.9	50.9	52.6	59.3	9%

Stafford Treatment Plant Production - in Million Gallons - FY to Date

Month	FY22/23	FY21/22	FY20/21	FY19/20	FY18/19	23 vs 22 %
July	56.3	67.0	105.8	68.2	78.6	-16%
August	67.9	31.3	81.1	103.8	79.3	117%
September	57.8	41.7	16.1	115.0	60.5	39%
October	54.0	28.2	7.7	103.4	74.5	92%
November	30.0	0.0	0.6	102.8	0.0	
December	0.0	0.0	0.0	0.0	0.0	-
January	0.0	0.0	0.0	0.0	0.0	-
February	0.0	0.0	0.0	0.0	0.0	-
FYTD Total	266.0	168.1	211.3	493.0	292.9	58%

Recycled Water Production* - in Million Gallons - FY to Date

Month	FY22/23	FY21/22	FY20/21	FY19/20	FY18/19	23 vs 22 %
July	43.1	42.9	39.0	36.5	30.2	0%
August	41.6	41.4	43.2	33.3	30.6	1%
September	29.2	39.6	29.5	29.7	33.5	-26%
October	24.7	18.3	22.8	26.6	20.1	35%
November	5.1	0.8	10.9	10.8	12.7	526%
December	0.3	0.3	0.2	0.5	1.5	-1%
January	0.4	0.8	0.3	0.6	0.9	-44%
February	0.4	1.3	0.5	0.6	0.3	-71%
FYTD Total*	144.8	145.4	146.4	138.7	129.7	0%

*Excludes potable water input to the RW system: FY23= 5.9 MG; FY22=10 MG; FY21=24.7 MG; FY20=16.7; FY19=20.0 MG; FY18=18.1MG

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2. Regional and Local Water Supply

Lake Sonoma

	Current	2022
Lake Storage*	82,548 MG	48,623 MG
Supply Capacity	103 %	61 %

*Normal capacity = -245,000 AF (79,833.5 MG)

Lake Mendocino

	Current	2022
Lake Storage *	27,524 MG	13,898 MG
Supply Capacity	118 %	62 %

*Normal capacity = 70,000-110,000 AF (22,800-35,840MG); flood control pool at 80,000 AF (26,000 MG)

3. Stafford Lake Data

	January Average	January 2023	January 2022
Rainfall this month	5.03 Inches	3.20 Inches	0.08 Inches
Rainfall this FY to date	20.67 Inches	29.24 Inches	16.26 Inches
Lake elevation*	193.1 Feet	196.2 Feet	191.1 Feet
Lake storage**	1,185 MG	1,412 MG	1,054 MG
Supply Capacity	98.5 %	100.0 %	97.5 %

* Spillway elevation is 196.0 feet

** Lake storage less 390 MG = quantity available for normal delivery

Temperature (in degrees)

	Minimum	Maximum	Average
January 2023 (Novato)	32	69	50
January 2022 (Novato)	27	77	58

4. Number of Services

February 28	Novato Water			Recycled Water			West Marin Water			Oceana Marin Swr		
	FY23	FY22	Incr %	FY23	FY22	Incr %	FY23	FY22	Incr %	FY23	FY22	Incr %
Total meters installed	20,965	20,826	0.7%	102	99	3.0%	800	799	0.1%	-	-	-
Total meters active	20,816	20,668	0.7%	100	96	4.2%	792	789	0.4%	-	-	-
Active dwelling units	24,097	24,099	0.0%	-	-	-	837	837	0.0%	235	235	0.0%

5. Oceana Marin Monthly Status Report (January)

Description	January 2023	January 2022
Effluent Flow Volume (MG)	0.633	0.460
Irrigation Field Discharge (MG)	1.194	0.784
Treatment Pond Freeboard (ft)	5.6	5.7
Storage Pond Freeboard (ft)	6.1	7.9

6. Developer Projects Status Report (December)

Job No.	Project	% Complete	% This month
1.2831.00	Landsea Homes	85	0
1.2836.00	Residence Inn	20	5
1.2841.00	Hamilton Village	90	5
1.2855.00	NSD Ignacio Plant	20	0
1.2858.00	North Bay Children's Center	20	0
1.2860.00	Habitat Redwood Blvd	9	0
1.2863.00	Hen House	25	5

District Projects Status Report - Const. Dept. (December)

Job No.	Project	% Complete	% This month
1.2836.00	Residence Inn	75	0
1.2863.00	Hen House	15	5
1.7204.00	Loop Dead End Mains – Office to Yard	90	0

Employee Hours to Date, FY 22/23

As of Pay Period Ending February 28, 2023
 Percent of Fiscal Year Passed = 62%

Developer Projects	Actual	Budget	% YTD Budget	District Projects	Actual	Budget	% YTD Budget
Construction	1,337	1,400	96%	Construction	1,996	3,988	50%
Engineering	714	2,290	31%	Engineering	2,784	4,323	64%

7. Safety/Liability

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Industrial Injury with Lost Time				Liability Claims Paid		
Lost Days	OH Cost of Lost Days (\$)	No. of Emp. Involved	No. of Incidents	Incurred (FYTD)	Paid (FYTD) (\$)	
FY 23 through Feb	152	\$90,752	3	3	1	\$36,512 *
FY 22 through Feb	61	\$13,814	2	2	0	\$0
Days since lost time accident through February 28, 2023			124	Days		

* (1) Claim settlement for driveway and concrete repair due to water damage to a property on Bugeia Lane.

8. Energy Cost							
FYE		February			Fiscal Year-to-Date thru February		
		kWh	¢/kWh	Cost/Day	kWh	¢/kWh	Cost/Day
2023	Stafford TP	38,713	22.9¢	\$316	396,024	22.3¢	\$364
	Pumping	72,899	27.8¢	\$655	920,555	28.2¢	\$1,059
	Other ¹	26,965	29.7¢	\$259	265,596	32.0¢	\$346
		138,577	26.8¢	\$1,230	1,582,175	27.4¢	\$1,769
2022	Stafford TP	49,790	22.2¢	\$395	326,467	21.9¢	\$295
	Pumping	80,982	29.4¢	\$793	852,164	27.7¢	\$968
	Other ¹	42,744	33.1¢	\$471	335,861	31.1¢	\$428
		173,516	28.2¢	\$1,659	1,514,492	27.2¢	\$1,691
2021	Stafford TP	25,395	25.5¢	\$232	344,989	21.3¢	\$302
	Pumping	94,248	25.2¢	\$791	1,088,571	25.2¢	\$1,125
	Other ¹	54,334	23.3¢	\$421	403,048	26.6¢	\$443
		173,977	24.6¢	\$1,444	1,836,608	24.8¢	\$1,870
¹ Other includes West Marin Facilities							

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9. Water Conservation Update

	Month of February 2023	Fiscal Year to Date	Program Total to Date
High Efficiency Toilet (HET) Rebates	5	55	4,463
Retrofit Certificates Filed	3	58	6,757
Cash for Grass Rebates	1	33	1,050
Washing Machine Rebates	3	16	6,883
Water Smart Home Survey	1	9	3,917

10. Utility Performance Metric

SERVICE DISRUPTIONS (No. of Customers Impacted)	February 2023	February 2022	Fiscal Year to Date 2023	Fiscal Year to Date 2022
PLANNED				
Duration Between 0.5 and 4 hours	31	8	92	70
Duration Between 4 and 12 hours	0	0	11	17
Duration Greater than 12 hours	0	0	0	0
UNPLANNED				
Duration Between 0.5 and 4 hours	0	1	109	13
Duration Between 4 and 12 hours	0	0	74	0
Duration Greater than 12 hours	0	0	0	0
SERVICE LINES REPLACED				
Polybutylene	5	7	40	33
Copper Replaced or Repaired)	2	1	14	16

Planned

For the month of February, we had 31 planned service disruptions.

Plastic: We replaced 5 plastic service lines on McClay Rd, Valencia Ct, Chase St, and Pastel Ln.

Copper: We replaced 2 copper services on Woodleaf Ct.

Valve Replacement: We replaced 2-2" blow off valves on Cambridge St and Verdad Way affecting 24 customers.

Unplanned

We had no unplanned shutdowns for the month of February.



AGRICULTURAL RESILIENCE IN THE FACE OF EXTREME DRY CONDITIONS

A Marin and Sonoma Partnership
Response and Recommendations

PARTNERS

Agricultural institute of Marin

USDA Farm Services Agency – Petaluma District Office

Gold Ridge Resource Conservation District

Marin Agricultural Land Trust

Marin County Department of Agriculture, Weights & Measures

Marin County Farm Bureau

Marin Resource Conservation District

Marin Water

USDA Natural Resources Conservation Service – Petaluma District Office

North Coast Soil Hub

North Marin Water District

Sonoma County Agricultural Preservation & Open Space District

Sonoma County Department of Agriculture, Weights & Measures

Sonoma County Farm Bureau

Sonoma Land Trust

Sonoma Resource Conservation District

Sonoma Water

University of California Cooperative Extension Marin

University of California Cooperative Extension Sonoma

Cover image: Nicasio Reservoir April 2021, credit Marin Department of Agriculture.

Cite as: Agricultural Resilience in the Face of Extreme Dry Conditions: A Marin and Sonoma Partnership Response and Recommendations. 2022. Marin and Sonoma Counties, California. University of California Cooperative Extension, 1682 Novato Boulevard, Suite 150-B Novato, CA 94947

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VIA ELECTRONIC FILING

March 13, 2023

Ms. Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, NE, Room 1A
Washington, DC 20426

**Re: PACIFIC GAS & ELECTRIC COMPANY – PROJECT NO. 77-314;
POST-TECHNICAL MEETING COMMENTS OF THE WATER ADVISORY
COMMITTEE**

Dear Secretary Bose:

The Water Advisory Committee ("WAC"), comprised of a member of each of the respective legislative bodies of the eight Water Contractors and Marin Municipal Water District, all of which purchase water from the Sonoma County Water Agency ("Sonoma Water") under various contracts, hereby submits this comment letter in response to the Federal Energy Regulatory Commission's ("Commission" or "FERC") January 30, 2023 Notice Inviting Post-Technical Conference Comments. The eight Water Contractors include the Cities of Cotati, Petaluma, Rohnert Park, Santa Rosa, Sonoma, Town of Windsor, and the North Marin and Valley of the Moon Water Districts; a Director of Marin Municipal Water District is an *ex officio* WAC member.

The Water Contractors are parties to contracts with Sonoma Water to provide the overwhelming majority of the water supply for municipal and industrial purposes to over 600,000 residents of Sonoma and Marin Counties. The Water Contractors are highly dependent on Russian River water, as the region has limited local water resources and no

Kimberly D. Bose
March 13, 2023
Page 2

ability to import water supplies from other regions of California. Eel River water that flows through Pacific Gas & Electric Company's ("PG&E") Potter Valley Project ("PVP") facilities into the East Branch of the Russian River provides an important component of Sonoma Water's system which delivers water to the Water Contractors.

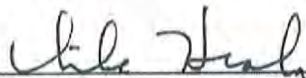
The Water Contractors support the comments included in Sonoma Water's March 3, 2023 Post-Technical Conference Comments. In particular, the Water Contractors join Sonoma Water in supporting the National Marine Fisheries Service's ("NMFS") proposal to reevaluate and revise Operating Rule E.5 in its Biological Opinion for the January 28, 2004 Order amending the PVP FERC License. NMFS's proposed revision would safely and prudently permit diversions in excess of those currently allowed when Lake Pillsbury is spilling and hydrologic conditions below Cape Horn Dam that are protective of Eel River fisheries are being met. The Water Contractors believe this measure would not only be beneficial to overall water supply resiliency and reliability in Sonoma, Mendocino, and Marin Counties, but would also support the shared and balanced objective of ensuring healthy fisheries in both the Eel and Russian Rivers. The Water Contractors also agree that under the FERC License, PG&E has an express responsibility to complete the repairs necessary to make the PVP powerhouse operable again as soon as reasonably possible.

Thank you for the opportunity to provide these comments to the Commission. Please let us know if you have any questions or would like further information. All correspondence and communication should be directed to:

Jennifer Burke, Santa Rosa Water Director
Chair of the Technical Advisory Committee
69 Stony Circle, Santa Rosa, CA 95401
Phone: 707-543-3359
Email: jburke@srcity.org

Kimberly D. Bose
March 13, 2023
Page 3

Respectfully submitted,



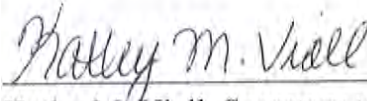
Mike Healy, City of Petaluma Council Member
Chair
Water Advisory Committee

Cc: Service List, P-77-314

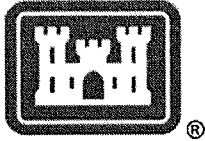
CERTIFICATE OF SERVICE

I hereby certify that the foregoing document has been served upon each person designated on the official service list compiled by the Secretary in this proceeding via electronic mail or first-class mail.

Dated this 14th day of March, 2023



Kathy M. Viall, Secretary to
Morgan Biggerstaff, Assistant City Attorney
City of Santa Rosa
100 Santa Rosa Avenue, Rm. 8
Santa Rosa, CA 95404
Tel: 707-543-3040
kviall@srcity.org



NEWS RELEASE

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

For Immediate Release:
March 14, 2023

Contact:
Brandon Beach, 415-503-6804
Brandon.A.Beach@usace.army.mil

USACE announces high-flow release from Warm Springs Dam at Lake Sonoma

SAN FRANCISCO – The U.S. Army Corps of Engineers San Francisco District (USACE) is projected to begin a series of **high-flow releases** from Warm Springs Dam at Lake Sonoma **starting mid-morning Wednesday, March 15**, in response to reservoir levels and improving downstream conditions on the Russian River. An increase in releases at Coyote Valley Dam at Lake Mendocino is also expected to occur Wednesday afternoon or Thursday morning.

Recent storms have significantly increased reservoir levels well into the **flood control pool** at Lake Sonoma for the first time since 2019. These storms have also sustained levels at, or close to, flood stage in communities along the Russian River. The river is now forecast to appreciably recede below flood stage. The high-flow release on Wednesday is intended to restore conditions capable of accommodating additional rainfall this season. This is the first time in nearly four years that a high-flow release is required to manage rising lake levels. Decisions to withhold high-flow releases during recent rains, and the current plan to manage reservoir levels through an approved, temporary increase in storage capacity have been regularly coordinated with partners in Sonoma County to ensure the safety of downstream communities.

	<u>Lake Mendocino</u>	<u>Lake Sonoma</u>
	Coyote Valley Dam	Warm Springs Dam
* Current level (in feet):	750.98	466.72
* Water stored (acre-foot):	91,597	288,766
* Storage capacity (acre-foot):	116,500	381,000

Significant high-flow releases up to **4,000 cfs** will be made at Warm Springs Dam. The release is being timed to allow downstream river levels to recede while still allowing for as much time as possible to evacuate water from the dam prior to the next storm. Releases are expected to increase to 300 cfs Wednesday morning and then by approximately **1,000 cfs per hour starting Wednesday afternoon or Thursday morning** and will be timed to coincide with decreasing river stage at downstream locations. Lake levels, river levels, as well as weather forecasts are constantly monitored by USACE. These projected release conditions are subject to change based on updated forecasts.

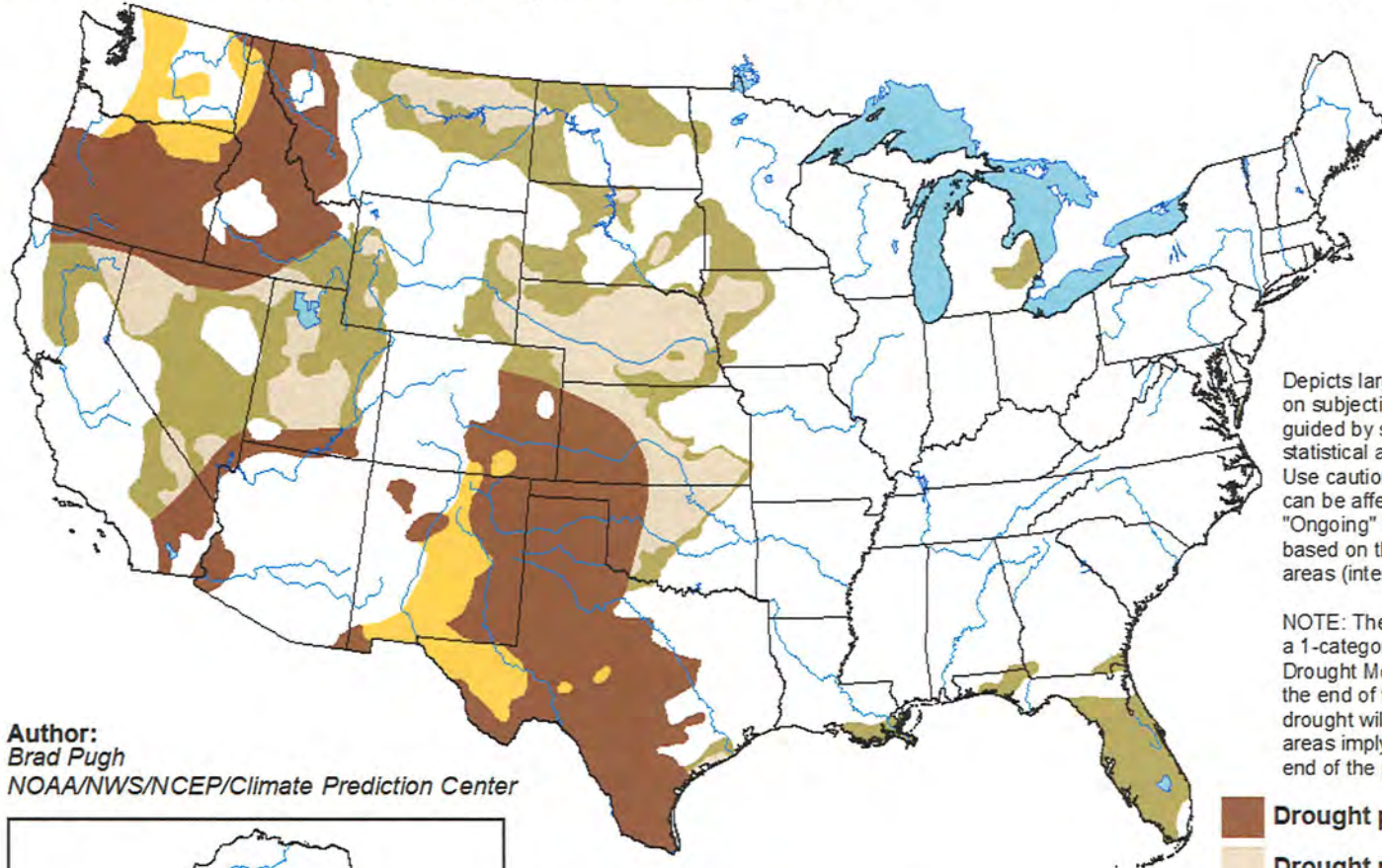
For more information on timing, magnitude and duration of potential flood releases, please visit the California Data Exchange Center website at <http://cdec.water.ca.gov/queryRes.html>.

-30-

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

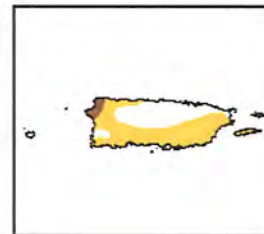
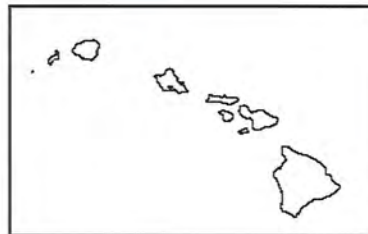
Valid for March 16 - June 30, 2023
Released March 16







Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center



-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZ73>

MARIN MUNICIPAL

District unveils strategy for new water supplies



The Nicasio Reservoir is one of several reservoirs in the Marin Municipal Water District. Increasing reservoir storage is among the options the district is looking at to increase the water supply. ALAN DEP — MARIN INDEPENDENT



A sign urging people to conserve water is on a median along a stretch of Sir Francis Drake Boulevard in Fairfax in 2021, SHERRY LAVARS — MARIN INDEPENDENT JOURNAL

BY WILL HOUSTON

WHOUSTON@MARINIJ.COM

After a year of study, the Marin Municipal Water District has selected a list of new water supply options to explore in its effort to bolster availability during droughts.

The district board voted unanimously this week to begin examining a variety of options, including increasing reservoir storage, importing more Russian River water, creating a regional groundwater bank in Sonoma County, building a brackish desalination plant on the Petaluma River, investments in conservation initiatives, expanding the district's recycled water system and building new ways to convey water to local reservoirs.

"We are on the cusp of approving significant funds to invest in storage, supply, conservation to the tune that our community has never seen before," district board member Jed Smith said before the vote on Tuesday.

Should these options be implemented, the district could add 12,000 to 20,000 acre-feet of new annual supply by 2035, depending on the options, the district study estimates. The study estimates it would need at least 8,500 acre-feet of additional water per year to weather a severe four-year drought.

The district's seven reservoirs can hold a maximum of about 80,000 acre-feet of water, or about a two-year supply. Additionally, the agency can import about 11,000 acre-feet of Russian River water it purchases from Sonoma Water. An acre-foot of water is about 326,000 gallons.

The board's approval of the new supply strategy does not mean that the options will be implemented or they will be the only options. Instead, the vote gives district staff the go-ahead for a deeper study of the actual costs, hurdles, timelines and feasibility of the projects for the next 18 to 24 months.

Ben Horenstein, the district's general manager, told the board that the supply strategy is "highly flexible."

"The decision tonight is not to move forward on constructing these," Horenstein said.

The strategy calls for pursuing what staff called "no-regret actions" first while it plans and studies for the larger, more complicated projects such as reservoir expansion and desalination. The short-term projects include bolstering Russian River water imports, especially during winter months; electrifying Soulajule Reservoir in place of using generators to pump water; creating a connection between the Phoenix and Bon Tempe Reservoirs; bolstering water conservation incentives; and exploring new systems to automate dam water releases for wildlife based on stream flow.

The district study estimates that these options could add about 3,500 acre-feet of water per year by 2025.

"For our communities, what folks wanted to see was us identifying real water that is increasing our resilience against future droughts and I think we have some great options that we can be starting off within the near term," board member Monty Schmitt said.

The district strategy does not include other options explored in the yearlong study, notably a proposed pipeline across the Richmond-San Rafael Bridge that would be used to import Sacramento Valley water.

The district had previously built such a pipeline on a temporary basis in 1977 when it faced the possibility of depleting its reservoirs. In 2021, the district was preparing to rebuild the pipeline at an estimated cost of \$100 million when it again faced the possibility of depleting reservoirs around mid-2022. Rains in late 2021 worked to refill the district's seven reservoirs and prompted the district to begin studying new water supplies.

The majority of the board members who approved the strategy on Tuesday were elected to their positions after the study began in March 2022. In November, voters ousted board members Larry Bragman and Jack Gibson and replaced them with Ranjiv Khush and Matt Samson. Khush and Samson ran campaigns calling for new supplies and criticized the previous board for not investing enough in water supplies to prevent the emergency shortage in 2021. Longtime board member Cynthia Koehler did not seek reelection in 2022, and Smith was elected to her seat.

Many of the water supply options in the strategy face significant challenges and would require hundreds of millions of dollars in funding and the cooperation of regulatory and other water agencies.

Expanding local reservoirs, whether by adding in moveable spillway gates or raising spillways, will likely trigger a new review of the state water rights.

"It's really one of the biggest challenges and risks to the strategy that I would say could eclipse some of these other things," Schmitt said.

A large portion of the projected water supply increase relies on reservoir expansion. The plan proposes building new pipes and channels to allow the district to store imported Russian River water in reservoirs, which currently is not possible.

Reservoirs being considered for possible expansion include Kent Lake, the Soulajule Reservoir and the Nicasio Reservoir, which are the district's three largest reservoirs.

Former district board member David Behar, who served from 2006-2012, said he supports the district pursuing the short-term options. He said the idea of increasing reservoir storage will likely receive pushback from residents.

"A lot of eggs seem to be in that basket," Behar told the board.

Bragman, the former district board member, said the district needs to track the proposed dam removal of the Potter Valley Project in Mendocino County, which could influence how much water Sonoma Water can store in its Lake Mendocino reservoir.

The proposed brackish desalination plant on the Petaluma River is only in its conceptual phase but was estimated in the study to provide an additional 5,000 acre-feet of water annually. While estimated to be less costly and require less energy

NORTH BAY

Key supplier of water for Marin seeks rate hikes

BY MARY CALLAHAN

THE PRESS DEMOCRAT

After enduring several years of severe drought and recently weeks of deluge, North Bay residents are now in for more water whiplash: a spike in wholesale rates that will raise monthly bills for hundreds of thousands of homes and business later this year.

Sonoma Water, the region's main drinking water supplier, is set to seek approval for the rate hike next month. The increase would raise prices paid by local cities and other retail suppliers who serve more than 600,000 residents of Sonoma and northern Marin counties.

Sonoma Water General Manager Grant Davis said the proposed rate hike would be in the range of 10% and would mean consumer households pay \$2 to \$3 more each month once cities like Santa Rosa and other suppliers pass on increased costs.

The increases are needed, Davis and other Sonoma Water officials say, to pay for deferred repairs to aging infrastructure and as well as projects to safeguard the local water system against earthquakes and climate change.

Much of the supply infrastructure — aqueducts, pipes and other equipment — is 40 to 70 years old, which means in some cases that its near the end of its useful life, agency officials said.

“Not too different than owning an aging car,” Kent Gylfe, director of engineering, said Monday during a meeting of Sonoma County supervisors, who serve as board directors overseeing Sonoma Water. As maintenance needs increase, equipment failures and repairs are more common and costly.

Sonoma Water's eight contractors — Santa Rosa, Rohnert Park, Petaluma, Sonoma, Cotati, Windsor and the North Marin, Marin Municipal and Valley of the Moon water districts — have for years enjoyed the lowest wholesale rates in the Bay Area, if not the state, according to Davis, the general manager.

Contractors pay, on average, about \$1,170 per acre-foot for water from Sonoma Water, at least \$500 less than the Santa Clara Valley Water District, according to Sonoma Water. Other districts charge even more. (An acre-foot is equal to 325,851 gallons, or about the amount of water needed to flood most of a football field one foot deep. It can supply the indoor and outdoor needs of three water-efficient households for a year.)

The low rates have been a source of pride, Davis said, but no longer, “because that maintenance that gets deferred, because of that end of life, that doesn’t get done.”

The agency was reluctant to raise rates when the region’s residents were overwhelmed by wildfire recovery and then the COVID pandemic, Davis said.

Then came the recent drought and the desperate need to conserve water, cutting usage and thus revenues paid into the water agency’s budget, further reducing available funds.

Though not as low as the two years from 2017 to 2019, when higher rainfall might have made less outdoor irrigation necessary, water sales revenue dropped from \$50.6 million in 2020-21 to \$43.6 million for 2022-23, as of Jan. 31.

The larger issue are the operations and maintenance needs, which account for about 60% of the agency budget. Annual rate hikes of 3% to 6% in recent years have failed to keep pace with those needs, officials said.

About 42% of Sonoma Water’s water collection and distribution infrastructure received the highest of five “probability of failure” ratings, while well over half of it is deemed to have less than 30% of its usable life remaining, according to internal analysis.

Most of the wholesale supply is drawn from six collector wells on the Russian River in Forestville and plus groundwater wells, all of it delivered through 88 miles of aqueduct and pipeline.

Sonoma Water also maintains more than 75 miles of engineered flood control channels, operates eight sanitation districts transferred from the county in 1995 and maintains the half-century-old Central Sonoma Watershed Project built in partnership with the U.S. Natural Resources Conservation District to reduce flooding risk.

The water agency’s board is scheduled to take up the full rate increase proposal at its April 18 meeting.

Distributed by Tribune News Service

Your local water district for the greater Novato area

We're here to help you:

- ✓ Access financial assistance through our Low-Income Rate Assistance (LIRA) Program
- ✓ See your hourly water usage in the WaterSmart customer portal
- ✓ Find rebates for water-efficient appliances, yard updates, and more
- ✓ Get tips on how to conserve water and lower your bill

For more information on these and other programs, visit nmwd.com



**NORTH MARIN
WATER DISTRICT**



**NORTH MARIN
WATER DISTRICT**

Web & Social Media Report

February 2023



Social Media Followers

	Jun-2022	Jul-2022	Aug-2022	Sep-2022	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023
 Facebook Followers	1,760	1,838	1,904	1,964	2,005	2,042	2,095	2,172	2,202
 Twitter Followers	76	77	77	75	74	71	76	110	112
 Instagram Followers	670	679	689	693	709	722	735	748	759


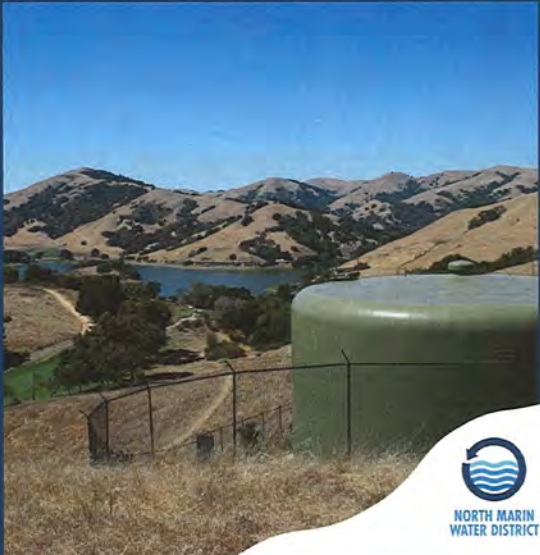






February Social Media Highlights | Facebook

 **North Marin Water District**
Published by Hootsuite · 1 February at 00:15 · 



Did you know that North Marin Water District's tank storage increased from 2 million gallons to 16 million gallons between 1961 and 1970? Learn more: nmwd.com/about/history #staffordlake #history #didtheyknow



205 people reached | 14 engagements

 **North Marin Water District**
Published by Hootsuite · 2 February at 23:47 · 

We were lucky to have such a great month of rain in January! Have you checked out some of the waterfalls around Novato? Although the creeks are full of running water, don't forget we are still in a drought. #savewater #drought #waterfall #rain



167 people reached | 14 engagements

Engagements include likes, reactions, clicks and comments





February Social Media Highlights | Facebook

North Marin Water District
Published by Hootsuite · 9 February at 00:00 · 🌐

Today, Director Michael Joly celebrates 6 years serving on the North Marin Water District board. We appreciate all your service!! #6years




NORTH MARIN
WATER DISTRICT

383 people reached | 51 engagements

North Marin Water District
Published by Hootsuite · 10 February at 22:01 · 🌐

An easy way to reduce household water use during the drought is to only run full loads of laundry! While it might be tempting to get certain clothes done faster the savings can really add up if you practice a little patience.
#savewater #loadup #laundry



Load up to **SAVE WATER**

 
NORTH MARIN
WATER DISTRICT

109 people reached | 1 engagement

Engagements include likes, reactions, clicks and comments





February Social Media Highlights | Facebook



North Marin Water District

Published by Camille Milliner · 17 February at 22:05 ·

After nearly 36 years of service, Terrie Kehoe is retiring from North Marin Water District.

We are grateful to Terrie for all she has done for the District, the team and our community during her long tenure, and wish her every happiness in retirement.

Eileen Mulliner, who previously served in the role of Engineering Secretary, is taking over the role of District Secretary.... [See more](#)



466 people reached | 107 engagements



North Marin Water District

Published by Hootsuite · 18 February at 02:00 ·

Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting next Tuesday. See the agenda for how to join by phone or Zoom: nmwd.com/meetings



159 people reached | 1 engagement

Engagements include likes, reactions, clicks and comments





February Social Media Highlights | Facebook

 **North Marin Water District**
Published by Hootsuite · 5 d · 🌐


It's [#NationalEngineersWeek](#), and we are grateful for North Marin Water District's engineering team.

Tim Fuette is one of NMWD's engineers, and oversees planning, design and construction projects for North Marin Water District's water distribution systems and facilities.

[#engineers](#) [#thankyouengineers](#) [#engineersweek](#) [#innovation](#)
[#structuralengineer](#) [#civicengineering](#) [#drinkingwater](#)





284 people reached | 17 engagements

 **North Marin Water District**
Published by Hootsuite · 1 d · 🌐

The Gallagher Well #2 has been in operation and is a new source of high-quality drinking water. It continues to be a critical drinking water supply well serving the West Marin communities of Point Reyes Station, Olema, Bear Valley, Inverness Park, Paradise Ranch Estates and the surrounding areas.

[#drinkingwater](#) [#water](#)



268 people reached | 17 engagements

Engagements include likes, reactions, clicks and comments





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 1 ...

Did you know that North Marin Water District's tank storage increased from 2 million gallons to 16 million gallons between 1961 and 1970? Learn more: nmwd.com/about/history #staffordlake #history #didyouknow



North Marin Water District @NorthMarinWater · Feb 2 ...

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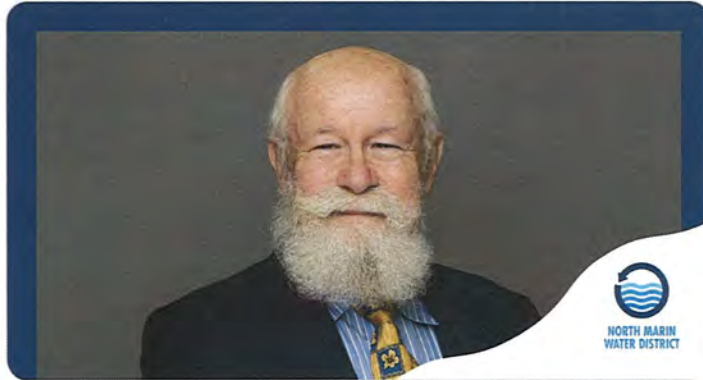
February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 9

...

Today, Director Michael Joly celebrates 6 years serving on the North Marin Water District board. We appreciate all your service!! #6years



North Marin Water District @NorthMarinWater · Feb 10

...

An easy way to reduce household water use during the drought is to only run full loads of laundry! While it might be tempting to get certain clothes done faster the savings can really add up if you practice a little patience. #savewater #loadup #laundry





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 17 ...

After 36 years of service, Terrie Kehoe is retiring from North Marin Water District. We are grateful to Terrie for all she has done for the District. Eileen Mulliner is taking over the role of District Secretary. [#waterindustry](#) [#waterprofessionals](#) [#publicservice](#) [#retirement](#)



North Marin Water District @NorthMarinWater · Feb 18 ...

Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting next Tuesday. See the agenda for how to join by phone or Zoom: nmwd.com/meetings

Board of Directors Meeting

Tuesday, February 21st
6:00pm





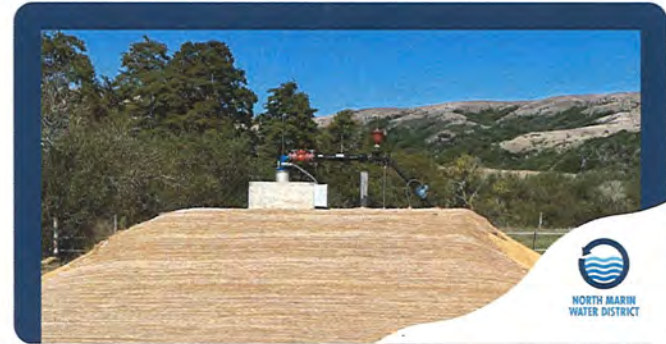
February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 23 ...
It's [#NationalEngineersWeek](#), and we are grateful for NMWD's engineering team. Tim Fvette is one of NMWD's engineers, and oversees planning, design and construction projects for North Marin Water District's water distribution systems and facilities. [#engineers](#) [#thankyouengineers](#)



North Marin Water District @NorthMarinWater · Feb 27 ...
The Gallagher Well #2 has been in operation and is a new source of high-quality drinking water. It continues to be a critical drinking water supply well serving the West Marin communities and the surrounding areas. [#drinkingwater](#) [#water](#)

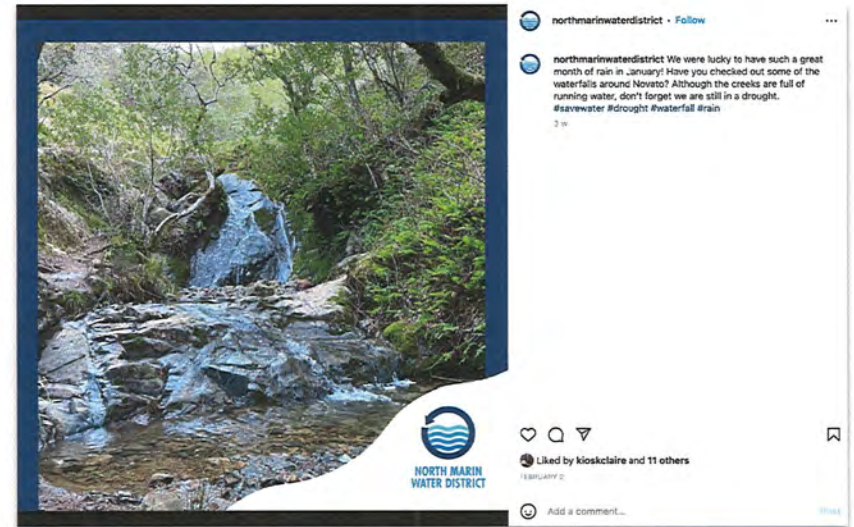




February Social Media Highlights | Instagram



9 likes



12 likes





February Social Media Highlights | Instagram



7 likes



3 likes





February Social Media Highlights | Instagram



18 likes

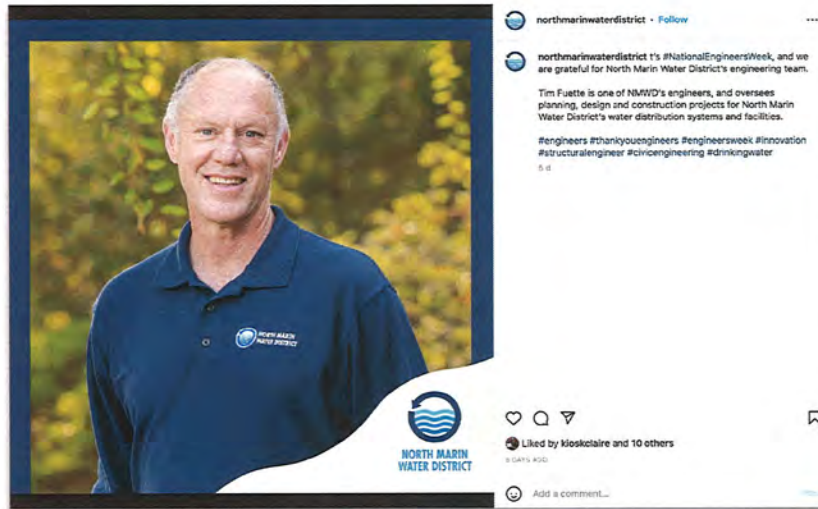


8 likes

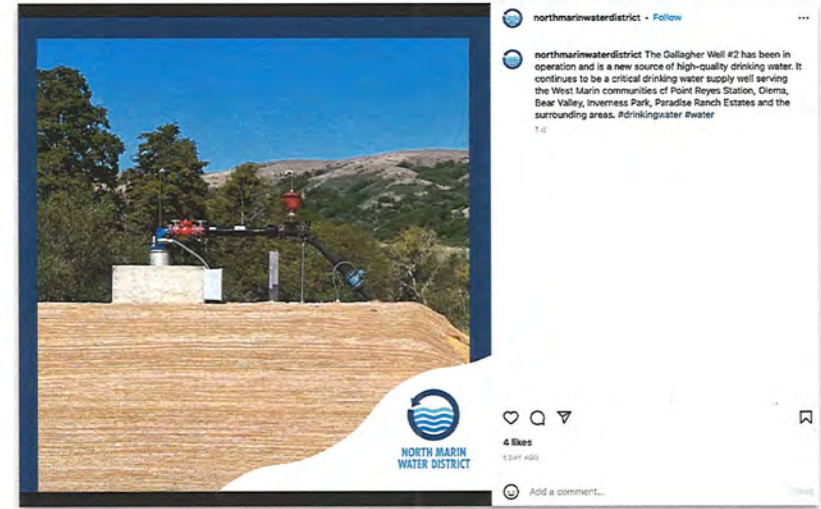




February Social Media Highlights | Instagram



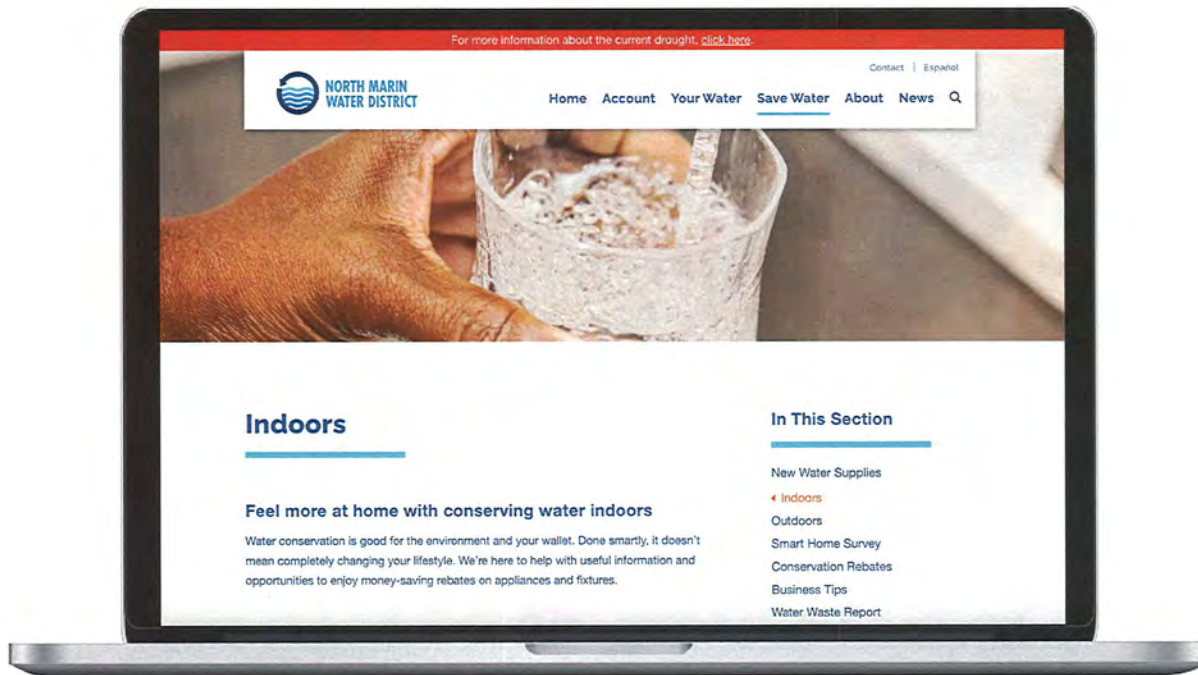
11 likes



5 likes



Website - February



We launched a new web page for [indoor water conservation](#).

New Customer List for Start Service Form

The screenshot displays the North Marin Water District website's 'Start Service' page. At the top, there is a red banner with the text 'For more information about the current drought, click here'. Below this is the North Marin Water District logo and a navigation menu with links for Home, Account, Your Water, Save Water, About, and News. A search icon is also present. The main content area is titled 'Start Service' and includes a message: 'If the automated form is not available below please contact the billing department via email at billing@nmwd.com or call 415-897-4133.' Below the message is a text input field labeled 'Please Enter Your Service Address *'. Underneath is the 'New Customer Information' section, which includes a 'Desired IN Date *' field with a date picker set to 03/07/2023, an 'Owner/Tenant *' dropdown menu with 'Owner' selected, and a 'Primary Account Holder Name *' field. To the right of the main form is a sidebar titled 'In This Section' with a list of links: Pay Bill Online, My Water Usage, Update Account Info, Start Service (highlighted with a red arrow), Stop Service, Rates, Low-Income Rate Assistance (LIRA) Program, and Bill Adjustment Form.

Kiosk updated the [Start Service form](#) by uploading a list of service addresses to the webform system.

The form now auto suggests the customer's address, and limits service requests to addresses within the District.

What's Next?

- Continuation of social media Winter posts, providing tips and information to North Marin Water District's customers
- Continuation of social posts to highlight employees on their work anniversaries
- Kiosk is working with staff to finalize the Annual Report
- Work has begun on the Spring Waterline Newsletter 2023
- Kiosk has transitioned NMWD.com's web analytics to Google Analytics 4, ahead of the July 1 global deadline