



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
March 15, 2022 – 6:00 p.m.
Location: Virtual Meeting
Novato, California

Information about and copies of supporting materials on agenda items are available for public review at 999 Rush Creek Place, Novato, at the Reception Desk, or by calling the District Secretary at (415) 897-4133. 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.

ATTENTION: This will be a virtual meeting of the Board pursuant to the authorizations provided by Government Code section 54953(e)."

There will not be a public location for participating in this meeting, but any interested member of the public can participate telephonically by utilizing the dial-in information printed on this agenda.

Video Zoom Method

CLICK ON LINK BELOW:

Go to: <https://us02web.zoom.us/j/82191971947> OR

Password: 466521

SIGN IN TO ZOOM:

Meeting ID: 821 9197 1947

Password: 466521

Call in Method:

Dial: +1 669 900 9128
+1 253 215 8782
+1 346 248 7799
+1 301 715 8592
+1 312 626 6799
+1 646 558 8656

Meeting ID: 821 9197 1947#

Participant ID: #

Password: 466521#

For clarity of discussion, the Public is requested to MUTE except:

1. During Open Time for public expression item.
2. Public comment period on agenda items.

Please note: In the event of technical difficulties during the meeting, the District Secretary will adjourn the meeting and the remainder of the agenda will be rescheduled for a future special meeting which shall be open to the public and noticed pursuant to the Brown Act.

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
6:00 p.m.	CALL TO ORDER	
	1. APPROVE MINUTES FROM REGULAR MEETING , March 1, 2022	
	2. GENERAL MANAGER'S REPORT	
	3. 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.	
	4. STAFF/DIRECTORS REPORTS	
	5. MONTHLY PROGRESS REPORT	
	CONSENT CALENDAR <i>The General Manager has reviewed the following items. To his knowledge, there is no opposition to the action. The items can be acted on in one consolidated motion as recommended or may be removed from the Consent Calendar and separately considered at the request of any person.</i>	
	6. Consent - Approve: <i>Re-Authorizing Meetings by Teleconference of Legislative Bodies of North Marin Water District</i>	<i>Resolution</i>
	ACTION CALENDAR	
	7. Accept: Drought Surcharge Review and Proposed Revisions to District Regulation 54(a)(3) and (c)(3)	
	8. Approve: Authorize Affirmative Vote for SCWA FY2022-23 Water Transmission System Budget	
	INFORMATION	
	9. FY 2021/22 Second Quarter Progress Report – Operations/Maintenance	
	10. Preparing for Dry Year Conditions - 2022	
	11. NBWRA Meeting – February 28, 2022	
	12. NBWA Meeting – March 4, 2022	
	13. MISCELLANEOUS	
	Disbursements – Dated March 3, 2022	
	Disbursements – Dated March 10, 2022	
	<u>News Articles:</u>	
	Marin IJ – MMWD delays decision on desalination measure – DROUGHT OPTIONS	
	<u>Social Media Posts:</u>	
	NMWD Web and Social Media Report – February 2022	
8:00 p.m.	14. ADJOURNMENT	

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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
March 1, 2022

CALL TO ORDER

President Petterle announced that due to the Coronavirus outbreak and pursuant to the Brown Act as modified by Assembly Bill 361, this was a virtual meeting. President Petterle called the regular meeting of the Board of Directors of North Marin Water District to order at 6:00 p.m. and the agenda was accepted as presented. President Petterle added that there was not a public location for participating in this meeting, but any interested members of the public could participate remotely by utilizing the video or phone conference dial-in method using information printed on the agenda. President Petterle announced that in the event of technical difficulties during the meeting, the District Secretary will adjourn the meeting and the remainder of the agenda will be rescheduled for a future special meeting which shall be open to the public and noticed pursuant to the Brown Act.

President Petterle welcomed the public to participate in the remote meeting and asked that they mute themselves, except during open time and while making comments on the agenda items. President Petterle noted that due to the virtual nature of the meeting he will request a roll call of the Directors. A roll call was done, those in remote attendance established a quorum. Participating remotely were Directors Jack Baker, Rick Fraites, Jim Grossi, Michael Joly and Stephen Petterle.

President Petterle announced that all public attendees will be invited to speak and will need to use the raised hand icon in Zoom or dial *9 to be called upon.

Mr. McIntyre performed a roll call of staff, participating remotely were Drew McIntyre (General Manager), Tony Williams (Assistant GM/Chief Engineer), Terrie Kehoe (District Secretary), Julie Blue (Auditor-Controller), Tony Arendell (Construction/Maintenance Superintendent), Robert Clark (Operations/Maintenance Superintendent), and Connie Filippi (Accounting Clerk II). Also participating remotely were; Morgan Biggerstaff (Legal Counsel), Mark Hildebrand (Hildebrand Consulting) and IT consultant Clay Smedshammer (Core Utilities).

President Petterle requested that for those joining the virtual meeting from the public to identify themselves. Novato resident Will McGuire was in attendance.

MINUTES

On motion of Director Fraites seconded by Director Joly, the Board approved the minutes from the February 15, 2022 Regular Board Meeting with a minor revision by the following vote:

36 AYES: Director Baker, Fraites, Grossi, Joly and Petterle

37 NOES: None

38 ABSTAIN: None

39 ABSENT: None

40 **GENERAL MANAGER'S REPORT**

41 North Bay Water Association (NBWA Meeting)

42 Mr. McIntyre announced that the next NBWA meeting will be on March 4th.

43 Technical Advisory Committee (TAC) Meeting

44 Mr. McIntyre stated that he and Mr. Williams will be attending the March 7th TAC meeting.
45 He noted that the meeting will include TAC approval of the draft FY23 SCWA Water Transmission
46 System Budget. Mr. McIntyre added that Ms. Blue will summarize the budget tonight and Lynne
47 Rosselli from SCWA will provide a presentation at the March 15th NMWD Board meeting.

48 Novato Leadership's Special District's Day

49 Mr. McIntyre reported that each year Novato Leadership includes a full day of instruction
50 covering the North Marin Water District, Novato Sanitary District and Redwood Landfill operation.
51 He stated that Robert Clark will be giving the Stafford Treatment Plant tour for NMWD. Mr.
52 McIntyre added that he will provide a Water Supply Overview as part of the mid-day lunch
53 meeting. He added that Karen Clyde (HR/Safety Manager) is NMWD's representative for the Class
54 of 2022.

55 President Petterle asked if the Directors or public had any comments or questions and
56 there was no response.

57 **OPEN TIME**

58 President Petterle asked if anyone from the public wished to bring up an item not on the
59 agenda.

60 Mr. McGuire stated that he would like to advocate for the recycled water program again.
61 He added that he is hoping we get a Miracle March rainfall event, but he is not banking on it. Mr.
62 McGuire stated that he thought the program was successful and he would like to see it expanded.
63 Director Petterle thanked Mr. McGuire for his comments.

64 **STAFF/DIRECTORS REPORTS**

65 President Petterle asked if any Directors or staff wished to bring up an item not on the
66 agenda and the following were discussed.

67 Ms. Kehoe reminded the Board that completion of the Ethics Training and the Form 700's

are due April 1st.

Mr. Clark reported that a vehicle crashed into the fence at the entrance of Stafford Treatment Plant by the golf course. He stated that the District did acquire information on the person who caused the damage. Mr. Clark noted that Able Fence has been awarded the project and the repair will take place in a couple of weeks.

INFORMATION ITEMS

DROUGHT SURCHARGE REVIEW-PROPOSED REVISIONS TO DISTRICT REGULATION

54(A)(3) & (C)(3)

Ms. Blue apprised the Board on the Drought Surcharge Review and revisions to District Regulation 54(a)(3) & (c)(3). She noted that the objective of the Drought Surcharge Study is to develop rates that are fair and equitable and to ensure that the District's drought surcharge rates comply with California Constitution Article XIII D, Section 6.

Consultant Mark Hildebrand provided a Drought Surcharge Review Presentation to the Board. He provided information on purposes of drought surcharges; current drought surcharges and drought surcharge analysis. He emphasized the analysis demonstrates that the proposed drought surcharges do not exceed the cost of providing service, which is a substantive requirement of Proposition 218. Additionally, he noted that a drought surcharge does not allow encouragement of conservation behavior, rather it only addresses the financial cost of providing service. Mr. Hildebrand apprised the Board that he will do an additional presentation at the March 15th Board meeting. He noted that the Drought Surcharge public rate hearings will take place the same time as the other rate hearings, and the implementation of the rates would be effective July 1, 2022.

President Petterle asked if there were any comments or questions from the Board.

Director Joly asked what stage Novato is currently in. Mr. McIntyre replied Stage 2. Director Joly asked what was the highest stage NMWD customers were historically. Mr. McIntyre replied that historically the highest level was a 30% conservation mandate. Director Joly stated that the memo was very complex and he had many more questions. He asked if after further review of the information provided by Mr. Hildebrand, would he have the opportunity to ask additional questions at the March 15th meeting. Director Baker suggested that perhaps Director Joly could make his inquiry in writing and if appropriate, meet with Ms. Blue and Mr. Hildebrand in advance. Director Petterle agreed, adding that this will avoid Director Joly from asking questions they will not be able to answer without preparation.

Director Petterle thanked Mr. Hildebrand for his presentation.

President Petterle asked if there were any comments or questions from the public and there was no response.

FY 2021/22 SECOND QUARTER PROGRESS REPORT – ENGINEERING DEPARTMENT

Mr. Williams reported on the FY 2021/22 Second Quarter Progress Report for the Engineering Department. He updated the Board on the status of Capital Improvement Projects (CIP) and studies, as well as the performance status for CIPs for the Novato Service Area, West Marin Service Area and Engineering Department labor costs. Mr. Williams spoke about some of the special projects which included: the Local Water Supply Enhancement Study and the MMWD reconstruction project of Kastania Tank. He noted these projects and studies consume a lot of time and resources. Mr. Williams also noted a couple of West Marin special projects which included: the County of Marin redevelopment of the former Coast Guard Housing site and the ongoing wastewater study at Dillon Beach Village. He added that two recycled water fill stations were also incorporated this year. Mr. Williams informed the Board that Crest Pump, the San Mateo Pipeline, the Leveroni Creek Project and the Emergency Generator Project all have grant applications with FEMA to see if they are eligible for funding. He reported that staff is working with the well drilling contractor on Gallagher Well No. 2 and this project is moving along nicely. Additionally, Mr. Williams noted that the building renovation and new lab have been a big component of hours tracked and consultant fees.

President Petterle asked if the Board or the public had any comments or questions and there was no response.

FY 2021/22 SECOND QUARTER PROGRESS REPORT – WATER CONSERVATION

Mr. Williams presented the FY 2021/22 Second Quarter Water Conservation Progress Report. He reported on public outreach and conservation marketing; budget and staffing; water conservation and outreach expenditures. Mr. Williams stated that the highlight of the report was the rebate numbers on the Cash for Grass Rebate. He added that Mr. Grisso is expected to resume in-person Water Smart Home Surveys, noting SCWA hired a new technician to perform this work. Mr. Williams also reported that Mr. Grisso continues to do a good job posting information on social media.

President Petterle asked if there were any questions or comments from the Board.

Director Fraites stated that he is thrilled with the numbers on the FY22 Cash for Grass Rebate. He thought the participation was extraordinary and asked if the number was a result of taking out large commercial turf areas or if it was an accumulation of several people taking out their residential lawns. Mr. Williams replied that the accumulation of the smaller areas were significant. Director Baker stated that he has noticed steady progress in his neighborhood of

people putting in drought tolerant landscape. He added that people are stepping up and he hopes it continues. Director Petterle requested that at some point he would like to see an accumulative total over the last ten to twenty years, so the Board can put a number on how much water has been saved as a result of our programs. Mr. Williams replied that he will pass this request on to Mr. Grisso.

President Petterle asked if the public had any comments or questions and there was no response.

INITIAL REVIEW SCWA FY23 WATER TRANSMISSION SYSTEM BUDGET

Ms. Blue gave an initial review of the draft SCWA FY23 Water Transmission System Budget. She reported the financial impact will be 5.09% wholesale water rate increase, which will result in an additional \$53.29 per acre-foot. Ms. Blue noted that this information is being provided as information only in advance of the March 15th Board meeting, at which time Lynne Rosselli, Finance Manager for SCWA will present the budget.

President Petterle asked if the Board had any comments or questions.

Director Grossi stated that he will wait to ask his questions at the next meeting. Director Petterle stated that there are many attached schedules leading to confusion. Ms. Blue stated that it is good to have the background data, and noted that there will be a summary provided at the next meeting.

President Petterle asked if the public had any comments or questions and there was no response.

MISCELLANEOUS

The Board received the following miscellaneous items: Disbursements – Dated February 17, 2022; Disbursements – Dated February 24, 2022; and NOAA Three-Month Outlook Temperature and Precipitation Probability.

The Board received the following news articles: Marin IJ – Brief return of rain ends 4-day dry spell – BAY AREA WEATHER and Marin IJ – Cities, farms facing low water deliveries – CALIFORNIA DROUGHT.

ADJOURNMENT

President Petterle adjourned the meeting at 6:48 p.m.

Submitted by

Theresa Kehoe
District Secretary

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NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR February 2022
 March 15, 2022

1.

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

Month	FY21/22	FY20/21	FY19/20	FY18/19	FY17/18	22 vs 21 %
July	282.9	341.7	317.7	341.1	331.0	-17%
August	212.4	290.1	287.1	300.9	303.0	-27%
September	214.5	225.6	280.5	255.0	292.4	-5%
October	198.5	307.8	286.0	265.6	273.7	-36%
November	94.1	201.6	226.3	170.1	163.9	-53%
December	137.1	183.0	141.2	157.8	152.1	-25%
January	118.3	156.6	111.9	114.7	130.6	-24%
February	118.6	110.5	120.3	110.9	134.8	7%
FYTD Total	1,376.5	1,816.7	1,770.9	1,716.0	1,781.4	-24%

*Excludes water backfed into Stafford Lake: FY22=12.82 MG

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

Month	FY21/22	FY20/21	FY19/20	FY18/19	FY17/18	22 vs 21 %
July	6.0	8.2	8.9	10.2	9.5	-26%
August	5.7	9.2	8.4	9.9	8.8	-38%
September	5.9	7.9	7.8	9.5	8.4	-26%
October	5.1	6.7	7.5	8.3	7.9	-25%
November	3.5	5.8	6.7	7.3	5.4	-39%
December	4.0	5.1	4.8	5.7	5.1	-21%
January	3.8	4.2	4.1	5.0	4.5	-11%
February	3.8	3.8	4.4	3.5	4.5	1%
FYTD Total	37.8	50.9	52.6	59.3	54.1	-26%

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

Month	FY21/22	FY20/21	FY19/20	FY18/19	FY17/18	22 vs 21 %
July	67.0	105.8	68.2	78.6	112.6	-37%
August	31.3	81.1	103.8	79.3	81.5	-61%
September	41.7	16.1	115.0	60.5	122.7	159%
October	28.2	7.7	103.4	74.5	102.3	266%
November	0.0	0.6	102.8	0.0	53.6	-100%
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	168.1	211.3	685.9	567.0	646.0	-20%

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

Month	FY21/22	FY20/21	FY19/20	FY18/19	FY17/18	22 vs 21 %
July	42.9	39.0	36.5	30.2	27.7	10%
August	41.4	43.2	33.3	30.6	26.1	-4%
September	39.6	29.5	29.7	33.5	25.0	35%
October	18.3	22.8	26.6	20.1	19.1	-20%
November	0.8	10.9	10.8	12.7	2.5	-92%
December	0.3	0.2	0.5	1.5	0.8	50%
January	0.8	0.3	0.6	0.9	1.0	150%
February	1.3	0.5	0.6	0.3	3.3	147%
FYTD Total*	145.4	146.4	138.7	129.7	105.5	-1%

*Excludes potable water input to the RW system: FY22=8 MG; FY21=24.7 MG; FY20=16.7; FY19=20.0 MG; FY18=15.8MG

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2. Stafford Lake Data

	February Average	February 2022	February 2021
Rainfall this month	5.04 Inches	0.08 Inches	1.11 Inches
Rainfall this FY to date	20.66 Inches	16.26 Inches	6.87 Inches
Lake elevation*	193.1 Feet	191.1 Feet	179.9 Feet

Lake storage**	1185 MG	1054 MG	462 MG
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* Spillway elevation is 196.0 feet

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

Temperature (in degrees)

	<u>Minimum</u>	<u>Maximum</u>	<u>Average</u>
February 2022 (Novato)	27	77	58
February 2021 (Novato)	40	85	57

3. Number of Services

February 28	Novato Water			Recycled Water			West Marin Water			Oceana Marin Swr		
	FY22	FY21	Incr %	FY22	FY21	Incr %	FY22	FY21	Incr %	FY22	FY21	Incr %
Total meters installed	20,826	20,787	0.2%	99	98	1.0%	799	792	0.9%	-	-	-
Total meters active	20,668	20,576	0.4%	96	94	2.1%	789	784	0.6%	-	-	-
Active dwelling units	24,099	24,085	0.1%	-	-	-	837	834	0.4%	235	235	0.0%

4. Oceana Marin Monthly Status Report (January)

Description	February 2022	February 2021
Effluent Flow Volume (MG)	0.460	0.499
Irrigation Field Discharge (MG)	0.784	0.939
Treatment Pond Freeboard (ft)	5.7	6.2
Storage Pond Freeboard (ft)	7.9	7.5

5. Developer Projects Status Report (February)

Job No.	Project	% Complete	% This month
1.2831.00	Landsea Homes	99	1
1.2851.00	385 Bel Marin Keys	99	0
1.2841.00	Hamilton Village	99	0
1.2821.00	Atherton Place	99	1
1.2836.00	Residence Inn	10	0
1.2835.00	Springbrook	99	4
1.2856.00	Redwood Credit Union	80	75
1.2850.00	59 Bridge Road	20	10
1.2858.00	North Bay Children's Center	5	5

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

Job No.	Project	% Complete	% This month
1.1798.00	Replace Valves on Center Road	5	0
1.6610.20	STP High Service Pump Repair	100	15
2.6609.20	Gallagher Well No. 2	10	10

Employee Hours to Date, FY 22/21

As of Pay Period Ending February 28, 2022

Percent of Fiscal Year Passed = 67%

Developer Projects	Actual	Budget	% YTD Budget	District Projects	Actual	Budget	% YTD Budget
Construction	1,004	1,400	72%	Construction	1,199	3,988	30%
Engineering	1,425	2,290	62%	Engineering	1,575	4,323	36%

6. Safety/Liability

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FY 22 through Feb

FY 21 through Feb

Days since lost time accident through February 28, 2022

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) (\$)
61	\$13,814	2	2	0	\$0
23	\$10,120	3	3	2	\$11,092

144 Days

7. Energy Cost

FYE	February			Fiscal Year-to-Date thru February		
	kWh	¢/kWh	Cost/Day	kWh	¢/kWh	Cost/Day
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
	173,515	28.2¢	\$1,660	1,514,491	27.2¢	\$1,690
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	26.8¢	\$443
	173,977	24.6¢	\$1,444	1,836,608	24.8¢	\$1,870
2020 Stafford TP	53,266	21.0¢	\$361	589,089	19.0¢	\$460
Pumping	82,274	23.6¢	\$648	988,663	23.4¢	\$944
Other ¹	46,350	24.7¢	\$382	380,194	25.6¢	\$397
	181,890	23.1¢	\$1,391	1,957,946	22.5¢	\$1,801

¹Other includes West Marin Facilities

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8. Water Conservation Update

	Month of February 2022	Fiscal Year to Date	Program Total to Date
High Efficiency Toilet (HET) Rebates	7	89	4364
Retrofit Certificates Filed	3	98	6930
Cash for Grass Rebates	3	53	1,001
Washing Machine Rebates	0	27	6857
Water Smart Home Survey	0	5	3904

9. Utility Performance Metric

SERVICE DISRUPTIONS (No. of Customers Impacted)	February 2022	February 2021	Fiscal Year to Date 2022	Fiscal Year to Date 2021
PLANNED				
Duration Between 0.5 and 4 hours	8	1	70	78
Duration Between 4 and 12 hours			17	
Duration Greater than 12 hours				
UNPLANNED				
Duration Between 0.5 and 4 hours	1		13	33
Duration Between 4 and 12 hours		6		29
Duration Greater than 12 hours				1
SERVICE LINES REPLACED				
Polybutylene	7	1	33	59
Copper (Replaced or Repaired)	1	0	16	4

10. Summary of COVID-19 Costs and Water Bill Delinquency Impacts - to Date

	<u>Total</u>
Increase in on-call Labor Costs	\$ 129,500
Payroll Accounts Receivable Collection Costs	\$ 14,400
Time off to Employees for COVID related reasons* -	\$ 76,100
Vendor Expenses - Including Legal Fees	\$ 45,600
Total Covid-19 Costs to Date	<u>\$ 265,600</u>

* Families First Coronavirus Response Act (FFCRA) & CA Supplemental Paid Sick Leave (SPSL)
Allows employees to take time off for COVID medical reasons including vaccination.

Water Bill Delinquency Impacts

	<u>2 Years Ago 02/2020</u>	<u>Last Year 02/2021</u>	<u>This Year 02/2022</u>
Customer Accounts Past Due (count)	2.1%	3.6%	3.5%
Delinquent Balances % Due on Account	6.3%	13.5%	10.9%
Delinquent Balances \$ Due on Account*	\$ 55,000	\$ 150,000	\$ 97,500

* High balance on record of \$159K in 12/2021.

Decrease in February due to State Water Resource Control Board COVID Relief Arrearages Payments.

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NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders February 2022

Tag Breakdown:

Total: 260 Consumer: 80 Office: 180

Type	Feb-22	Feb-21	Added Notes
<u>Billing</u>			
High Bill	2	0	
Low Bill	0	0	
Total	2	0	
<u>Meter Replacement</u>	20	18	
Total	20	18	
<u>Need Read</u>	2	0	
Total	2	0	
<u>No-Water</u>	4	0	
Total	4	0	
<u>Leak</u>			
Consumer	184	79	
District	12	7	
Total	196	86	
<u>Water Quality</u>			
Color	1	0	
Total	1	0	
<u>Check Pressure</u>	5	1	
Total	5	1	
<u>Turn Off / On</u>	15	16	
Total	15	16	
<u>Other</u>	15	10	
Total	15	10	
TOTAL FOR MONTH:	260	131	98%

Fiscal YTD Summary

Billing	6	40	-85% Decrease in Billing
Meter Replacement	54	49	10% Increase in Meter Replacements
Need Read	13	0	100% Increase in Reads
No-Water	8	0	100% Increase in No-Water
Leak	905	664	36% Increase in Leaks
Water Quality	2	1	100% Increase in Water Quality
Pressure	10	3	233% Increase in Water Pressure
Turn Off / On	119	128	-7% Decrease in Water On/Off
Other	34	34	0% No Change.
Total	1,151	919	25% Increase overall

Bill Adjustments Under Board Policy:

February 22 vs. February 21

Feb-22	11	\$2,584
Feb-21	6	\$2,344

Fiscal Year vs Prior FY

FY 21/22	118	\$44,779
FY 20/21	161	\$68,445

MEMORANDUM

To: Board of Directors

March 11, 2022

From: Julie Blue, Auditor-Controller *JB*
Nancy Holton, Accounting Supervisor *NH*

Subj: Auditor-Controller's Monthly Report of Investments for February 2022

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RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None

At month end the District's Investment Portfolio had an amortized cost value (i.e., cash balance) of \$25,594,412 and a market value of \$25,591,652. During February the cash balance decreased by \$442,541. The market value of securities held decreased \$2,760 during the month. The total unrestricted cash balance at month end was \$4,881,825 and 98.90% of the Designated Cash Reserves are funded.

At February 28, 2022, 85% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), 10% in Time Certificates of Deposit, 4% in the Marin County Treasury, and 1% retained locally for operating purposes. The weighted average maturity of the portfolio was 37 days, compared to 31 days at the end of January. The LAIF interest rate for the month was 0.28%, compared to 0.23% the previous month. The weighted average Portfolio rate was 0.33%, compared to 0.28% for the prior month.

Investment Transactions for the month of February are listed below:

2/3/2022	LAIF	US Bank	\$100,000.00	Trsf from LAIF account
2/14/2022	US Bank	LAIF	\$200,000.00	Trsf to LAIF account
2/24/2022	US Bank	Ally Bank	\$248,000.00	Purchase 1.30% TCD due 2/23/24
2/24/2022	LAIF	US Bank	\$650,000.00	Trsf from LAIF account

**NORTH MARIN WATER DISTRICT
AUDITOR-CONTROLLER'S MONTHLY REPORT OF INVESTMENTS
February 28, 2022**

Type	Description	S&P Rating	Purchase Date	Maturity Date	Cost Basis ¹	2/28/2022 Market Value	Yield ²	% of Portfolio
LAIF	State of CA Treasury	AA-	Various	Open	\$21,847,776	\$21,845,015	0.28% ³	85%
Time Certificate of Deposit								
TCD	Wells Fargo National Bank	n/a	3/6/20	3/7/22	248,000	248,000	1.35%	1%
TCD	American Express Natl Bank	n/a	4/7/20	4/7/22	248,000	248,000	1.35%	1%
TCD	Synchrony Bank	n/a	4/17/20	4/18/22	248,000	248,000	1.20%	1%
TCD	Pinnacle Bank	n/a	5/7/20	5/9/22	248,000	248,000	0.90%	1%
TCD	Enerbank	n/a	9/25/20	9/25/24	249,000	249,000	0.45%	1%
TCD	Sallie Mae Bank	n/a	8/18/21	8/18/23	249,000	249,000	0.35%	1%
TCD	UBS Bank	n/a	9/9/21	9/11/23	249,000	249,000	0.35%	1%
TCD	BMW Bank	n/a	8/20/21	2/20/24	249,000	249,000	0.45%	1%
TCD	Goldman Sachs Bank	n/a	1/19/22	1/19/24	249,000	249,000	0.75%	1%
TCD	Ally Bank	n/a	2/24/22	2/23/24	248,000	248,000	1.30%	1%
					\$2,485,000	\$2,485,000	0.84%	10%
Other								
Agency	Marin Co Treasury	AAA	Various	Open	\$1,045,108	\$1,045,108	0.22%	4%
Other	Various	n/a	Various	Open	216,528	216,528	0.41%	1%
TOTAL IN PORTFOLIO					\$25,594,412	\$25,591,652	0.33%	100%

Weighted Average Maturity = **37 Days**

LAIF: State of California Local Agency Investment Fund.

TCD: Time Certificate of Deposit.

Agency: STP State Revolving Fund Loan Reserve.

Other: Comprised of 5 accounts used for operating purposes. US Bank Operating Account, US Bank STP SRF Loan Account, US Bank FSA Payments Account, Bank of Marin AEEP Checking Account & NMWD Petty Cash Fund.

1 Original cost less repayment of principal and amortization of premium or discount.

2 Yield defined to be annualized interest earnings to maturity as a percentage of invested funds.

3 Earnings are calculated daily - this represents the average yield for the month ending February 28, 2022.

Interest Bearing Loans	Loan Date	Maturity Date	Original Loan Amount	Principal Outstanding	Interest Rate
Marin Country Club Loan	1/1/18	11/1/47	\$1,265,295	\$1,111,403	1.00%
Marin Municipal Water - AEEP	7/1/14	7/1/32	\$3,600,000	\$1,930,238	2.71%
Employee Housing Loans (2)	Various	Various	525,000	525,000	Contingent
TOTAL INTEREST BEARING LOANS			\$5,390,295	\$3,566,641	

The District has the ability to meet the next six months of cash flow requirements.

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6

MEMORANDUM

To: Board of Directors
From: Drew McIntyre, General Manager
Subject: Re-Authorizing – Meetings by Teleconference of Legislative Bodies of North Marin Water District

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March 11, 2022

RECOMMENDED ACTION: Adopt Resolution No. 22-XX: "Resolution Finding Proclaimed State of Emergency, That Local Officials Continue to Recommend Physical Distancing, and that Meeting in Person Would Present Imminent Risks to the Health or Safety of Attendees; and Re-Authorizing Meetings by Teleconference of Legislative Bodies of North Marin Water District from March 15, 2022 through April 14, 2022 Pursuant to Brown Act Provisions".

FINANCIAL IMPACT: None


As authorized by the Governor's Executive Order N-29-20, Board meetings have been held virtually since March 17, 2020 to protect attendees, including members of public, District employees, and Board members, from potential exposure to the novel coronavirus disease 2019 ("COVID-19"). On June 11, 2021, the Governor issued Executive Order N-08-21 which rescinded these temporary modifications to the Brown Act, effective September 30, 2021. On September 16, 2021, the Governor signed Assembly Bill 361 (2021) ("AB 361") amending the Brown Act to allow local legislative bodies to continue to conduct meetings virtually under specified conditions and pursuant to special rules on notice, attendance, and other matters. AB 361 took full effect on October 1, 2021.

AB 361 authorizes the Board of Directors to meet virtually during declared states of emergency without noticing the location of individual Board Members or requiring such locations to be open to the public if certain findings are made and certain procedures are followed. Where a virtual meeting is held pursuant to AB 361, the members of the public must be able to observe and participate during the meeting.

The Governor's March 4, 2021 declaration of a State of Emergency remains in effect. On December 15, 2021, the State reinstated a universal masking requirement for all individuals while indoors to help combat the surge in COVID-19 cases due to the Omicron variant. On December 30, 2021, Marin County Health and Human Services issued new guidance changing the local rules on masking to align with the State mandate. On February 7, 2022, the State issued a new health order,

Approved by GM

Date


3/11/22

effective February 16, 2022, which limits indoor masking requirements to specified indoor settings and unvaccinated individuals. However, both the State and Marin County Health and Human Services continue to recommend wearing masks while indoors. CDC, OSHA, and Cal/OSHA continue to recommend mask wearing and physical distancing of at least six feet while indoors to protect against transmission of COVID-19. Therefore, the current circumstances support a determination by the Board that meeting in person would continue to present imminent risks to the health and safety of attendees.

On October 5, 2021, the Board adopted Resolution 21-22, thereby finding a proclaimed state of emergency, that local officials continue to recommend physical distancing, and that meeting in person would present imminent risks to the health or safety of attendees; and authorizing meetings by teleconference of legislative bodies of North Marin Water District from October 5, 2021 through November 4, 2021 pursuant to Brown Act provisions.

On November 2, 2021, November 16, 2021, December 7, December 21, 2021, January 18, 2022 and February 15, 2022, the Board adopted Resolutions 21-26, -27, -28, -30, 22-01 and -04 respectively, thereby finding a proclaimed state of emergency, that local officials continue to recommend physical distancing, and that meeting in person would present imminent risks to the health or safety of attendees; and re-authorizing meetings by teleconference of legislative bodies of North Marin Water District for 30 days pursuant to the Brown Act provisions.

If adopted, Resolution No. 22-XX will allow the Board to continue to meet virtually for another 30 days, after which the Board will need to reconsider its findings and confirm the need to hold virtual meetings. This reconsideration and confirmation will need to occur every thirty days until the Board determines it is safe to meet in person.

RECOMMENDED ACTION:

Adopt Resolution No. 22-XX: "Resolution Finding Proclaimed State of Emergency, That Local Officials Continue to Recommend Physical Distancing, and that Meeting in Person Would Present Imminent Risks to the Health or Safety of Attendees; and Re-Authorizing Meetings by Teleconference of Legislative Bodies of North Marin Water District from March 15, 2022 through April 14, 2022 Pursuant to Brown Act Provisions".

RESOLUTION NO. 22-XX

RESOLUTION OF THE BOARD OF DIRECTORS OF NORTH MARIN WATER DISTRICT FINDING PROCLAIMED STATE OF EMERGENCY, THAT LOCAL OFFICIALS CONTINUE TO RECOMMEND PHYSICAL DISTANCING, AND THAT MEETING IN PERSON WOULD PRESENT IMMINENT RISKS TO THE HEALTH OR SAFETY OF ATTENDEES; AND RE-AUTHORIZING MEETINGS BY TELECONFERENCE OF LEGISLATIVE BODIES OF NORTH MARIN WATER DISTRICT FROM MARCH 15, 2022 THROUGH APRIL 14, 2022 PURSUANT TO BROWN ACT PROVISIONS

WHEREAS, all meetings of the legislative bodies of the North Marin Water District ("District") are open and public, as required by the Ralph M. Brown Act ("Brown Act"), Government Code Section 54950, *et seq*, and any member of the public may observe, attend, and participate in the business of such legislative bodies; and

WHEREAS, on March 4, 2020, Governor Newsom declared a State of Emergency as a result of the rapid spread of the novel coronavirus disease 2019 ("COVID-19"); and

WHEREAS, on March 10, 2020, the Board of Supervisors of the County of Marin ratified proclamations of health and local emergency due to COVID-19; and

WHEREAS, on March 16, 2020, the City Council of the City of Novato ratified and confirmed a proclamation of local emergency due to COVID-19;

WHEREAS, on March 17, 2020, in response to the COVID-19 pandemic, Governor Newsom issued Executive Order N-29-20 suspending certain provisions of the Brown Act in order to allow local legislative bodies to conduct meetings telephonically or by other means, after which District staff implemented virtual meetings for all meetings of legislative bodies within the District; and

WHEREAS, on June 11, 2021, Governor Newsom issued Executive Order N-08-21, which terminated the provisions of Executive Order N-29-20 that allows local legislative bodies to conduct meetings telephonically or by other means effective September 30, 2021; and

WHEREAS, on September 16, 2021, Governor Newsom signed Assembly Bill 361 (2021) ("AB 361"), which amended the Brown Act to allow local legislative bodies to continue to conduct meetings by teleconference under specified conditions and pursuant to special rules on notice, attendance, and other matters; and

WHEREAS, AB 361 took full effect on October 1, 2021, and makes provisions under Government Code section 54953(e) for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and

WHEREAS, it is further required that state or local officials have imposed or, local officials have recommended, measures to promote social distancing, or, the legislative body must find that meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, on October 5, 2021, the Board of Directors previously adopted Resolution No. 21-22, finding that the requisite conditions exist for the legislative bodies of North Marin Water District ("District") to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on November 2, 2021, the Board of Directors previously adopted Resolution No. 21-26, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on November 16, 2021, the Board of Directors previously adopted Resolution No. 21-27, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on December 7, 2021, the Board of Directors previously adopted Resolution No. 21-28, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on December 21, 2021, the Board of Directors previously adopted Resolution No. 21-30, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on January 18, 2022, the Board of Directors previously adopted Resolution No. 22-01, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, on February 15, 2022, the Board of Directors previously adopted Resolution No. 22-04, reaffirming the finding that the requisite conditions exist for the legislative bodies of North Marin Water District to continue to conduct remote teleconference meetings without compliance with paragraph (3) of subdivision (b) of section 54953; and

WHEREAS, as a condition of extending the use of the provisions found in section 54953 (e), the Board of Directors must reconsider the circumstances of the state of emergency that exists in the District, and the Board of Directors has done so; and

WHEREAS, emergency conditions continue to persist in the District, specifically, the State of Emergency for the State of California declared by Governor Newsom as a result of the COVID-19 pandemic remains in effect; and

WHEREAS, the Centers for Disease Control and Prevention ("CDC") recommends physical distancing of at least six feet from unvaccinated individuals while indoors; and

WHEREAS, “Protecting Workers: Guidance on Mitigating and Preventing the Spread of COVID-19 in the Workplace,” promulgated by the Occupational Safety and Health Administration (“OSHA”) under the United States Department of Labor, provides that “[m]aintaining physical distancing at the workplace for unvaccinated and at-risk workers is an important control to limit the spread of COVID-19” and recommends that employers train employees about the airborne nature of COVID-19 and importance of exercising multiple layers of safety measures, including physical distancing, and that employers implement “physical distancing in all communal work areas for unvaccinated and otherwise at-risk workers,” including physical distancing from members of the public, as a “key way to protect such workers”; and

WHEREAS, Title 8, Section 3205, subdivision (c)(5)(D) of the California Code of Regulations, promulgated by the Division of Occupational Safety and Health of the California Department of Industrial Relations (“Cal/OSHA”), requires employers to provide instruction to employees on using a combination of “physical distancing, face coverings, increased ventilation indoors, and respiratory protection” to decrease the spread of COVID-19; and

WHEREAS, the Board of Directors recognizes the recommendations by state and local officials to use physical distancing as a layer of protection against COVID-19 and desires to continue to provide a safe workplace for its employees and a safe environment for the open and public meetings of the District’s legislative bodies; and

WHEREAS, due to the continued threat of COVID-19, the District continues to implement multiple layers of protection against COVID-19, including physical distancing, for the safety of employees and members of the public; and

WHEREAS, while the District believes District work-related activities may be conducted safely in person through imposition of various safety protocols, Board meetings continue to present a unique challenge due to their being open to the public generally, with limited space in the boardroom, and no ability to verify vaccination status or to provide contact tracing for potentially exposed individual attendees; and

WHEREAS, the Board of Directors hereby finds that the presence of COVID-19 and the increase of cases due to the Omicron variant has caused, and will continue to cause, conditions of concern to the safety of certain persons within the District, including older and immunocompromised individuals that are likely to be beyond the control of the services, personnel, equipment, and facilities of the District, and, therefore, continues to present imminent risks to the health or safety of attendees, including members of the public and District employees, should meetings of the District’s legislative bodies be held in person; and

WHEREAS, as a consequence of the local emergency persisting, the Board of Directors does hereby find that the legislative bodies of North Marin Water District shall continue to conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall continue to comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, the District will continue to conduct meetings for all meetings of legislative bodies within the District virtually (i.e. through the use of Zoom, or similar virtual

meeting provider) and/or telephonically, in conformance with requirements under the Brown Act.

THEREFORE, BE IT RESOLVED by the Board of Directors of the North Marin Water District as follows:

1. The above recitals are true and correct and hereby incorporated into this Resolution.
2. In compliance with the special teleconference rules of Section 54953 of the Government Code, as established by Assembly Bill 361 (2021), the Board of Directors hereby makes the following findings:
 - a. The Board of Directors has considered the circumstances of the state of emergency; and
 - b. The states of emergency, as declared by the Governor, continue to impact directly the ability of the District's legislative bodies, as well as staff and members of the public, to safely meet in person;
 - c. The CDC, and Cal/OSHA continue to recommend physical distancing of at least six feet to protect against transmission of COVID-19; and
 - d. Meeting in person would continue to present imminent risks to the health and safety of members of the public, members of the District's legislative bodies, and District employees due to the continued presence and threat of COVID-19.
3. The District's legislative bodies may continue to meet remotely from March 15, 2022 through April 14, 2022 in compliance with the special teleconference rules of Section 54953 of the Government Code, as amended by Assembly Bill 361 (2021), in order to protect the health and safety of the public.
4. The Board of Directors will review these findings and the need to conduct meetings by teleconference within thirty (30) days of adoption of this resolution.

* * * * *

I hereby certify that the foregoing is a true and complete copy of a resolution duly and regularly adopted by the Board of Directors of NORTH MARIN WATER DISTRICT at a regular meeting of said Board held on the 15th day of March 2022 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

Theresa Kehoe, Secretary
North Marin Water District

7

MEMORANDUM

To: Board of Directors

March 11, 2022

From: Julie Blue, Auditor/Controller JB

Subj: Accept Drought Surcharge Review & Proposed Revisions to District Regulation 54(a)(3) & (c)(3)

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RECOMMENDED ACTION: Accept Drought Surcharge Review and Direct Staff to Prepare a Proposition 218 Notice of Public Hearing**FINANCIAL IMPACT:** None at this time**Background**

During water shortage events, drought surcharges are implemented for the Novato Water Service Area and the West Marin Service Area whenever mandatory reductions in water use are triggered under the District's Water Shortage Contingency Plans. These surcharges are designed to mitigate the loss in revenue resulting from decreased water sales during droughts. In March of 2021, the District's rate consultant (Hildebrand Consulting) found that the current drought surcharges do not generate sufficient revenue to cover the financial deficit created by decreased water sales during a 20% mandatory reduction in use.

Objective

The objective of the Drought Surcharge Study is to develop rates that are fair and equitable and to ensure that the District's drought surcharge rates comply with California Constitution Article XIII D, Section 6 (commonly referred to as Proposition 218).

At the November 16, 2021 board meeting the Board of Directors (BOD) approved an agreement with Hildebrand Consulting to review the drought surcharges, as included in Regulation 54(a)(3) and (c)(3). Over the last few months staff worked with Mr. Hildebrand to develop the Drought Surcharge Review-Proposed Revisions to District Regulation 54(a)(3) and (c)(3) provided in Attachment 1. Mr. Hildebrand will present the report as summarized in Attachment 2 and will take questions from the BOD and the public. This material was first reviewed at the March 1, 2022 board meeting. There are no changes to the report since the last meeting.

Recommendation

Accept the Drought Surcharge Review-Proposed Revisions to District Regulation 54(a)(3) and (c)(3) and direct staff to prepare a Proposition 218 Notice of Public Hearing on the proposed drought surcharges.



Date: March 10, 2022

To: Julie Blue, Auditor Controller, North Marin Water District

From: Mark Hildebrand, Hildebrand Consulting, LLC

Subject: Drought Surcharge Review – Proposed Revisions to District Regulation 54 (a)(3) and (c)(3)

Hildebrand Consulting, LLC has been retained by North Marin Water District (District) to evaluate the District’s existing Drought Surcharges for the Novato Water Enterprise (hereafter “Novato Water”) and West Marin Water Enterprise (hereafter “West Marin”) and provide recommendations as needed. This memorandum gives background on the purpose of the Drought Surcharges, evaluates the existing practices, and makes recommendations for revised District Drought Surcharges. The analyses demonstrate that the proposed Drought Surcharges do not exceed the cost of providing service, which is a substantive requirement of California Constitution Article XIII D, Section 6(b) (commonly known as Proposition 218).

Section 1. PURPOSES OF DROUGHT SURCHARGES

Drought Surcharges are a tool for reducing the (potentially severe) financial impacts associated with reduced water sales and increases in operating costs during a water shortage emergency or drought event. During a water shortage event the District is impacted by a number of financial changes including:

- 1) Rate revenue decreases due to the decrease in water sales.
- 2) Decreases in operating costs due to the decrease in water deliveries, including wholesale water purchases, electricity (for pumping), and chemicals (for treatment).
- 3) Increases in operating costs such as the cost of the District’s conservation program and the cost of utilizing water from alternate sources.

Since the reduction in water sales revenue is more significant than the reduction in operating costs during water shortage emergencies or drought events, the net impact results in a financial deficit for the District. Drought surcharges are designed to partially (or completely) mitigate that financial deficit. Drought surcharges are often part of a multi-pronged approach that also includes capital spending reductions and use of reserves to help bridge the financial deficit.

Section 2. CURRENT DROUGHT SURCHARGES

The District's current Drought Surcharges are designed to be overlaid on then-current Water Quantity (usage) rates during the period of time that a water shortage emergency is declared by the District's Board. The surcharges are temporary and affect only the Quantity Rate; not the fixed Service Charge.

The District implements separate Drought Surcharges for Novato Water and West Marin. Pursuant to Regulation 54(a)(3), the District's Drought Surcharge for Novato Water of \$1.00 per thousand gallons (TGAL) applies to all commercial, institutional and irrigation accounts (hereafter "non-residential") water usage and to any residential water usage in excess of 300 gallons per day (gpd) whenever mandatory reductions in water use are in effect. In accordance with Regulation 54(c)(3), the District's Drought Surcharge for West Marin is \$2.50 per TGAL and applies to all non-residential water usage and to any residential water usage in excess of 200 gpd whenever mandatory reductions in water use are in effect. The Board established these gpd thresholds on May 20, 2014 (for Novato Water) and June 24, 2014 (for West Marin) based on the recommendations contained in February 28, 2014 and March 14, 2014 memoranda to the Board from the District's then Auditor-Controller, David Bentley.

In a memorandum to the District dated March 25, 2021, Hildebrand Consulting estimated that implementation of the existing Drought Surcharge during a 20 percent mandatory reduction in water use would likely mitigate the financial shortfall annually by about \$804 thousand but would still likely result in an annual financial deficit of approximately \$745 thousand for Novato Water. For West Marin, the financial deficit was estimated to be approximately \$64 thousand,

despite approximately \$96 thousand in additional revenue from the West Marin Drought Surcharge.

The findings went on to explain that the Drought Surcharges should be increased in order to better mitigate the financial shortfalls caused by water shortage emergencies and drought events, and also concluded that the Drought Surcharges should be applied to all water usage by all customers, not just water usage above a given threshold.

Section 3. DROUGHT SURCHARGE ANALYSIS

This section presents recommended revisions to the Drought Surcharges for both Novato Water and West Marin. Much like the existing Drought Surcharges, the revised Drought Surcharges are designed to be overlaid on then-current Water Quantity Charges during water shortage emergencies and droughts on a temporary basis and would not affect the fixed Service Charge. The revised Drought Surcharges are designed to be aligned with the respective Water Shortage Contingency Plans (WSCP) for Novato Water and West Marin, which define water usage reduction targets by various stages. The analysis for both Services Areas define:

- 1) The water usage reduction goals by water shortage stage;
- 2) The estimated water use reduction during each respective stage;
- 3) The estimated changes in rate revenue for each respective stage;
- 4) The estimated changes in expenditures for each respective stage;
- 5) The proposed Drought Surcharge by stage (expressed as a percent increase to the Water Quantity Charges;
- 6) The proposed reduction in capital spending by stage; and
- 7) The anticipated financial deficit that will occur by stage (after accounting for the mitigating measures).

Each of the above steps are detailed in the respective subsection of Section 4 below.

Section 4. PROPOSED NOVATO WATER DROUGHT SURCHARGES

The following details the analysis behind the proposed revised drought surcharges for Novato Water.

4.1 Novato Water Shortage Stages and Assumed Water Reduction

The Novato Water WSCP (most recently revised in 2020) aligns with the requirements of Senate Bill 606, which requires water utilities to incorporate six (6) stages of water shortages in their WSCPs. The water usage reduction goals are shown in Row 2 of Attachment A. This analysis assumes that the actual water usage reductions during each defined stage will be the midpoint of the water reduction goals (see Row 3 of Attachment A).

4.2 Forecasted Changes in Rate Revenue

The forecasted reduction in Water Quantity Charge revenue for each stage was modeled by applying the assumed water usage reduction evenly across all customers. This was done by applying a uniform reduction in water usage across all customers using customer billing data from the 2020 Novato Water Rate Study. It is important to note, however, that Novato Water's Quantity Charge revenue is complicated by the fact that the Novato Water has tiered rates for residential customers. As a result, a reduction in Tier 3 water usage will have a significantly larger financial impact than the same reduction in Tier 1 water usage. Modeling which customers (the "water savers" that stay in Tier 1 or the larger consumers that use Tier 3 water) will reduce their water usage during a water shortage emergency or drought is not easily determined. It is beyond the scope of this analysis to model the uneven distribution of water reductions across different types of customers. We acknowledge that this assumption may under-estimate the revenue shortfall, thereby yielding lower recommended drought surcharges than might actually be needed to cover the shortfall. Future iterations of this analysis may choose to address any revenue shortfalls that may come to fruition.

Service Charge and non-rate revenues are not expected to change as a result of a water shortage emergency or drought (see Rows 4 and 6 of Attachment A). Rows 7 and 8 of Attachment A shows the relative amount of total revenue expected during each stage of drought.

4.3 Forecasted Changes in Expenditures

Novato Water has some expenses that are fixed and not expected to change during a water shortage emergency or drought event (see Rows 11,12, 13, 14, 16, 17¹, 18, 19, 20, and 21 of Attachment A). Other expenses are expected to change as a result of a water shortage emergency or drought event.

4.3.1 Source of Supply

Novato Water purchases most of its water from Sonoma Water. It is assumed that all water usage reductions will be taken from that water source (i.e., water usage from Stafford Lake will remain constant). The reduction in this cost accounts for the fact that Sonoma Water represents about 75 percent of the Novato Water's water supply, and it is estimated that the decreases to this line item are about 5 percent less than the decreases in water purchases (because the Source of Supply line item includes some (non-Sonoma Water) fixed costs).

4.3.2 Pumping

About 75 percent of the "Pumping" line item is for the electricity needed to move water. This analysis assumes that those electricity costs decline in proportion to the decrease in water volumes.

4.3.3 Water Conservation

Novato Water's water conservation program gets ramped up during water shortage emergencies/drought events. Increases in costs are driven by intensified outreach and bolstered rebate programs. Based on past trends, it is assumed that the conservation program budget will increase in proportion to the decrease in water usage. In addition, it is assumed that a part-time position (0.5 full-time equivalent) will be created whenever Novato Water enters into a Stage 4 drought due to the increase in conservation rebate activity.

¹ While the capital spending expense is shown to remain constant in this row, a reduction in capital spending is shown in Row 36.

4.4 Proposed Drought Surcharge and Capital Spending Reduction by Stage

Upon completion of the above analysis, we assessed the total financial deficit that would occur in each stage if no mitigating measures were taken. Row 24 of Attachment A shows that a financial deficit of \$4.7 million is expected in a Stage 6 drought. The proposed Drought Surcharge rests on a policy that employs a multi-prong approach and does not rely entirely on a surcharge in order to address the financial deficit. Instead, the policy proposes a revised Drought Surcharge, a reduction in capital spending, and a use of reserves.

The financial deficit in a Stage 1 water shortage emergency is expected to be about \$440 thousand. Given that Stage 1 water shortage emergencies are a relatively common occurrence and do not require mandatory rationing, it assumes that a Stage 1 water shortage emergency would not trigger a drought surcharge nor a reduction in capital spending. This is financially viable because Novato Water maintains sufficient reserves that it can withstand a \$440 thousand deficit for multiple years.

The proposed Drought Surcharge and reduction in capital spending for Stage 2 – 6 have been calibrated to yield an overall deficit that is similar to a Stage 1 deficit (about \$400 thousand).

The table below and Row 25 of Attachment A show the proposed Drought Surcharge by stage (as a percentage of Quantity Charges).

Proposed Drought Surcharge by Drought Stage for Novato Water
(applied to Quantity Charges only)

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
NA	5%	13%	21%	30%	42%

Row 26 of Attachment A shows the estimated resultant additional rate revenue. Rows 27 and 28 show the proposed reduction in capital spending by stage. To be clear, the proposed Drought Surcharge would be applied to all water usage, not just water usage above a given threshold (as is currently the practice).

Finally Row 29 shows the anticipated financial deficit that would be absorbed by Novato Water reserves after these mitigation measures have been implemented.

Section 5. PROPOSED WEST MARIN DROUGHT SURCHARGES

The following details the analysis behind the proposed revised drought surcharge rates for West Marin.

5.1 West Marin Shortage Stages and Assumed Water Reduction

The West Marin WSCP (last revised in 2016) includes three (3) stages of water shortage. West Marin is not required to adopt the six stages as defined by SB 606 due to its small size. The water usage reduction goals are shown in Row 2 of Attachment B. This analysis assumes that the actual water usage reductions during each defined stage are equal to the reduction goals (see Row 3 of Attachment B).

5.2 Forecasted Changes in Rate Revenue

Much like Novato Water, the forecasted reduction in Water Quantity Charge revenue for each stage was modeled by applying the assumed water usage reduction evenly across all customers (for details see Section 4.1). In this case we used billing data from the 2021 West Marin Water Rate Study. As explained in Section 4.1, we acknowledge that the approach may under-estimate the revenue shortfalls during water shortage emergencies/drought events and the proposed Drought Surcharge may be less than what will actually be needed to cover the shortfall.

Service Charge and non-rate revenues are not expected to change as a result of a water shortage emergency or drought (see Rows 4 and 6 of Attachment B). Rows 7 and 8 of Attachment B shows the relative amount of total revenue expected during each stage of water shortage emergency.

5.3 Forecasted Changes in Expenditures

West Marin has some expenses that are fixed and not expected to change during a drought event (see Rows 9, 11, 13, 14, 16, 17, 18², and 19 of Attachment B). Other expenses are expected to change as a results of water shortage emergencies.

5.3.1 Pumping

About 40 percent of the “Pumping” line item is for the electricity needed to move water. This analysis assumes that those electricity costs decline in proportion to the decrease in water volumes.

5.3.2 Water Treatment

About 20 percent of the “Treatment” line item is for the variable costs of treating pumped groundwater, including electricity and chemicals. This analysis assumes that those costs decline in proportion to the decrease in water volumes.

5.3.3 Conservation Program

West Marin’s water conservation program gets ramped up during water shortage emergencies/drought events. Increases in costs are driven by intensified outreach and bolstered rebate programs. Based on the current water shortage emergency, it is assumed that the conservation program budget will increase from a baseline of \$4 thousand during a normal year to \$44 thousand. The conservation budgets for Stage 1 and Stage 3 were estimated based on a linear progression.

5.4 Proposed Drought Surcharge and Capital Spending Reduction by Stage

Upon completion of the above analysis, we assessed the total financial deficit that would occur in each stage if no mitigating measures were taken. Row 22 of Attachment B shows a financial

² While the capital spending expense is shown to remain constant in this row, a reduction in capital spending is shown in Row 36.

deficit of \$446 thousand is expected in a Stage 3 drought. As explained in Section 4.4, a multi-pronged approach is proposed to address this deficit.

The financial deficit in a Stage 1 water shortage emergency is expected to be about \$136 thousand. Given that Stage 1 water shortage emergencies are a relatively common occurrence and do not require mandatory rationing, it assumes that a Stage 1 drought would not trigger a drought surcharge nor a reduction in capital spending. This is financially viable because West Marin maintains sufficient reserves that it can withstand a \$136 thousand deficit for multiple years.

The surcharges and reduction in capital spending for Stage 2 and 3 have been calibrated to yield an overall deficit that is similar to a Stage 1 deficit (about \$150 thousand).

The table below and Row 23 of Attachment A shows the proposed drought surcharge by stage (as a percentage of Quantity Charges).

Proposed Drought Surcharge by Drought Stage for West Marin

(applied to Quantity Charges only)

Stage 1	Stage 2	Stage 3
NA	13%	30%

Row 24 of Attachment A shows the estimated resultant additional rate revenue. Rows 25 and 26 shows the proposed reduction in capital spending by stage. To be clear, the proposed Drought Surcharge would be applied to all water usage, not just water usage above a given threshold (as is currently the practice).

Finally Row 27 shows the anticipated financial deficit that would be absorbed by West Marin reserves after these mitigation measures have been implemented.

Section 6. CONCLUSION

This study used methodologies that are aligned with industry standard practices for rate setting as promulgated by the American Water Works Association (AWWA) and all applicable laws, including California's Proposition 218. The proposed Drought Surcharges on Water Quantity Charges during water shortage emergencies are designed to meet cost of service principles in accordance with Proposition 218 and allow the District to continue to provide reliable service to customers.

The District must also follow the procedural requirements of Proposition 218, which includes: 1) mailing a notice to each affected property owner or customer at least 45 days prior to conducting a public hearing. The notice shall provide the time, date, and location of the hearing, list the proposed new Drought Surcharges, provide reasons why the new Drought Surcharges are necessary, and provide the process for protesting the proposed Drought Surcharges; and 2) receiving and considering all comments and tally all written protests at the public hearing before the Board may consider adoption of the new Surcharges.

Attachment A – Novato Water Drought Surcharge Analysis

1		Normal Supply ¹	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
2	Use Reduction Goal -->	(na)	Up to 10%	Up to 20%	Up to 30%	Up to 40%	Up to 50%	Above 50%
3	Modeled Use Reduction -->	0%	5%	15%	25%	35%	45%	55%
	<u>Revenues</u>							
4	Service Charge Revenue	\$6,027,000	\$6,027,000	\$6,027,000	\$6,027,000	\$6,027,000	\$6,027,000	\$6,027,000
5	Quantity Charge Revenue ²	\$15,998,000	\$15,162,000	\$13,500,000	\$11,854,000	\$10,222,000	\$8,607,000	\$7,007,000
6	Non-Rate Revenue	\$1,347,000	\$1,347,000	\$ 1,347,000	\$ 1,347,000	\$ 1,347,000	\$ 1,347,000	\$ 1,347,000
7	Total Revenues:	\$23,372,000	\$22,536,000	\$20,874,000	\$19,228,000	\$17,596,000	\$15,981,000	\$14,381,000
8	(% of normal)		96%	89%	82%	75%	68%	62%
	<u>Expenditures and Transfers</u>							
9	Source of Supply ³	-\$6,141,000	-\$5,747,000	-\$4,958,000	-\$4,170,000	-\$3,382,000	-\$2,593,000	-\$1,805,000
10	Pumping ⁴	-\$561,000	-\$540,000	-\$498,000	-\$456,000	-\$414,000	-\$372,000	-\$330,000
11	Other Operations	-\$850,000	-\$850,000	-\$850,000	-\$850,000	-\$850,000	-\$850,000	-\$850,000
12	Water Treatment ⁵	-\$2,594,000	-\$2,594,000	-\$2,594,000	-\$2,594,000	-\$2,594,000	-\$2,594,000	-\$2,594,000
13	Transmission & Distribution	-\$3,853,000	-\$3,853,000	-\$3,853,000	-\$3,853,000	-\$3,853,000	-\$3,853,000	-\$3,853,000
14	Consumer Accounting	-\$498,000	-\$498,000	-\$498,000	-\$498,000	-\$498,000	-\$498,000	-\$498,000
15	Water Conservation ⁶	-\$377,000	-\$396,000	-\$434,000	-\$471,000	-\$609,000	-\$647,000	-\$684,000
16	General Administration	-\$2,496,000	-\$2,496,000	-\$2,496,000	-\$2,496,000	-\$2,496,000	-\$2,496,000	-\$2,496,000
17	Average Cash Capital	-\$2,741,480	-\$2,741,480	-\$2,741,480	-\$2,741,480	-\$2,741,480	-\$2,741,480	-\$2,741,480
18	Debt	-\$776,000	-\$776,000	-\$776,000	-\$776,000	-\$776,000	-\$776,000	-\$776,000
19	Transfer Out to Recycled Water	-\$747,000	-\$747,000	-\$747,000	-\$747,000	-\$747,000	-\$747,000	-\$747,000
20	Funding for Affordability Program	-\$89,000	-\$89,000	-\$89,000	-\$89,000	-\$89,000	-\$89,000	-\$89,000
21	Forecasted Change in Fund Balance ⁷	-\$1,648,520	-\$1,648,520	-\$1,648,520	-\$1,648,520	-\$1,648,520	-\$1,648,520	-\$1,648,520
22	Revenue Requirement:	-\$23,372,000	-\$22,976,000	-\$22,183,000	-\$21,390,000	-\$20,698,000	-\$19,905,000	-\$19,112,000
23	(% of normal)		98%	95%	92%	89%	85%	82%
24	Surplus/(Deficit) Due to Shortage	\$0	-\$440,000	-\$1,309,000	-\$2,162,000	-\$3,102,000	-\$3,924,000	-\$4,731,000
25	Drought Surcharge ⁸		0%	5%	13%	21%	30%	42%
26	Drought Surcharge Revenue		\$0	\$675,000	\$1,541,000	\$2,147,000	\$2,582,000	\$2,943,000
27	Capital Spending Reduction			5%	10%	20%	30%	50%
28	Reduction in Capital Spending			\$137,000	\$274,000	\$548,000	\$822,000	\$1,371,000
29	Strategic Use of Reserves		-\$440,000	-\$497,000	-\$347,000	-\$407,000	-\$520,000	-\$417,000

¹ The FY 2020/21 actual expenses and revenues are assumed to be a typical water supply year for purposes of this analysis.

² Assumes that water sales reductions will occur evenly across all customers.

³ Assumes that 95% of the Source of Supply budget is proportionate to the volume of water purchased and that Sonoma Water water purchases comprises 74% of Novato's water supply.

⁴ Assumes that 75% of pumping costs are affected by the volume of water delivered.

⁵ Assumes that treatment costs don't change because Stafford Lake water usage doesn't change (all reductions will come from Sonoma Water purchases).

⁶ Assumes that conservation programs costs will increase in proportion to the water use reduction target and that 0.5 FTE is added in Stage 4 (cost: \$100K).

⁷ Represents the planned change in fund balance during test year.

⁸ Surcharge is applied to usage rates only and is applied to all water usage.

Attachment B – West Marin Drought Surcharge Analysis

	Normal Supply ¹	Stage 1	Stage 2	Stage 3
2 Use Reduction Goal -->	(na)	15%	25%	50%
3 Modeled Use Reduction -->	0%	15%	25%	50%
<u>Revenues</u>				
4 Service Charge Revenue	\$242,000	\$242,000	\$242,000	\$242,000
5 Quantity Charge Revenue ²	\$809,000	\$683,000	\$599,000	\$392,000
6 Non-Rate Revenue	\$98,000	\$98,000	\$98,000	\$98,000
7 Total Revenues:	\$1,149,000	\$1,023,000	\$939,000	\$732,000
8 (% of normal)		89%	82%	64%
<u>Expenditures and Transfers</u>				
9 Source of Supply	-\$28,000	-\$28,000	-\$28,000	-\$28,000
10 Pumping ³	-\$76,000	-\$71,000	-\$68,000	-\$61,000
11 Other Operations	-\$79,000	-\$79,000	-\$79,000	-\$79,000
12 Water Treatment ⁴	-\$165,000	-\$160,000	-\$157,000	-\$149,000
13 Transmission & Distribution	-\$168,000	-\$168,000	-\$168,000	-\$168,000
14 Consumer Accounting	-\$26,000	-\$26,000	-\$26,000	-\$26,000
15 Water Conservation ⁵	-\$4,000	-\$24,000	-\$44,000	-\$64,000
16 General Administration	-\$64,000	-\$64,000	-\$64,000	-\$64,000
17 Debt	-\$71,000	-\$71,000	-\$71,000	-\$71,000
18 Capital	-\$443,800	-\$443,800	-\$443,800	-\$443,800
19 Forecasted Change in Fund Balance ⁶	-\$24,200	-\$24,200	-\$24,200	-\$24,200
20 Revenue Requirement:	-\$1,149,000	-\$1,159,000	-\$1,173,000	-\$1,178,000
21 (% of normal)		101%	102%	103%
22 Surplus/(Deficit) Due to Shortage	\$0	-\$136,000	-\$234,000	-\$446,000
23 Drought Surcharge ⁷		0%	13%	30%
24 Drought Surcharge Revenue		\$0	\$77,870	\$117,600
25 Capital Spending Reduction		0%	0%	40%
26 Reduction in Capital Spending		\$0	\$0	\$177,520
27 Strategic Use of Reserves	\$0	-\$136,000	-\$156,130	-\$150,880

Notes:

¹ The FY 2020/21 (actual) expenses and revenues are assumed to be a typical water supply year for purposes of this analysis.

² Assumes that water sales reductions will occur evenly across all customers.

³ Assumes that 40% of pumping costs are variable (electricity) and decrease with lower sales.

⁴ Assumes that 20% of treatment costs are variable (electricity & chemicals) and decrease with lower sales.

⁵ Assumes that a conservation program budget of \$44 thousand is typical for Stage 2 (as recently adopted).

⁶ Represents the planned change in fund balance during test year.

⁷ Surcharge is applied to usage rates only and is applied to all water usage.



**NORTH MARIN
WATER DISTRICT**

2022 Drought Surcharge Study

for Novato and West Marin Service Areas

March 15, 2022



Why Drought Surcharges?

Drought Surcharges are designed to reduce the financial impacts associated with reduced water sales and increases in operating costs during drought events.

Water shortage financial changes include:

- 1) Decrease in rate revenue
- 2) Decrease in some operating costs (water purchases, electricity, chemicals)
- 3) Increase in some operating costs (conservation program)

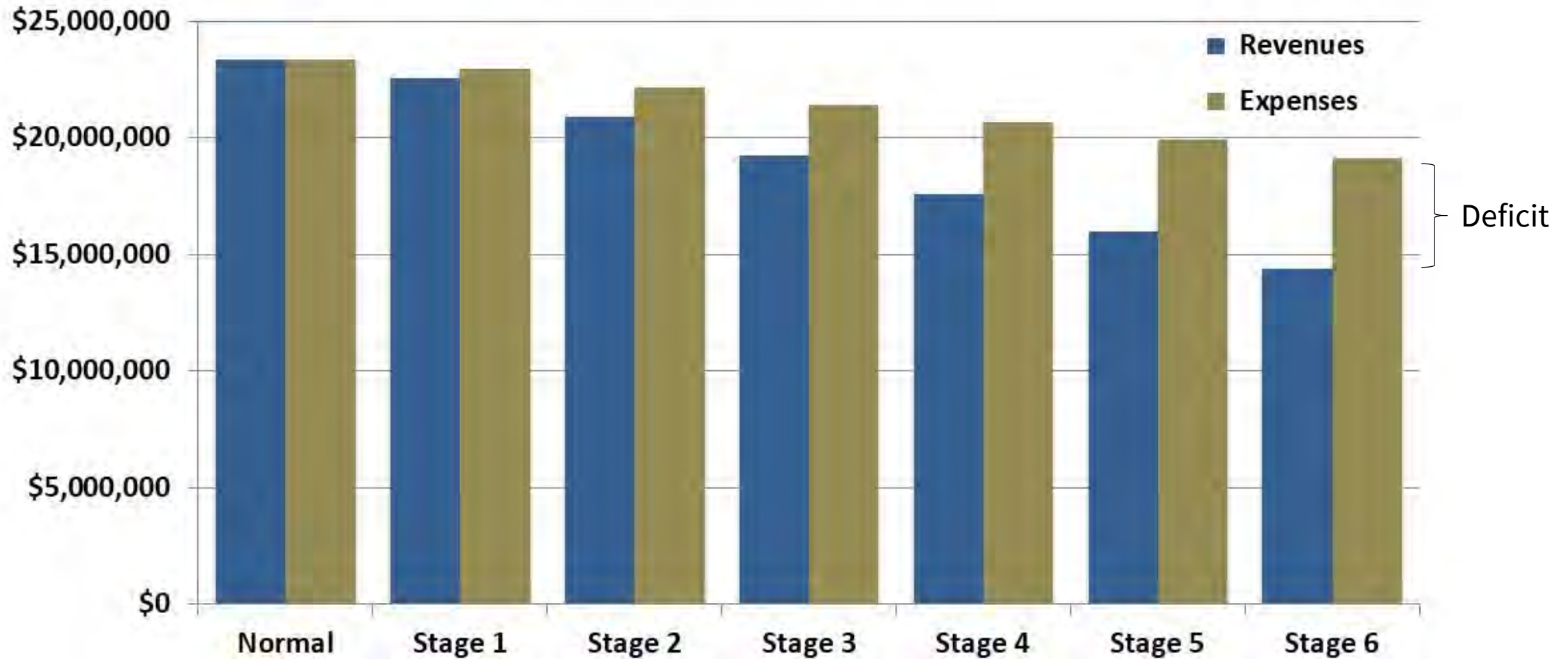
The proposed changes to the drought surcharges include:

- 1) Aligning the surcharges with the water shortage contingency plans (WSCP)
 - a. Novato Water WSCP defines six water shortage stages
 - b. West Marin WSCP defines three water shortage stages
- 2) Propose a multi-prong approach to addressing financial deficit
 - a. Water Quantity Surcharge
 - b. Reduction in capital spending
 - c. Measured use of financial reserves

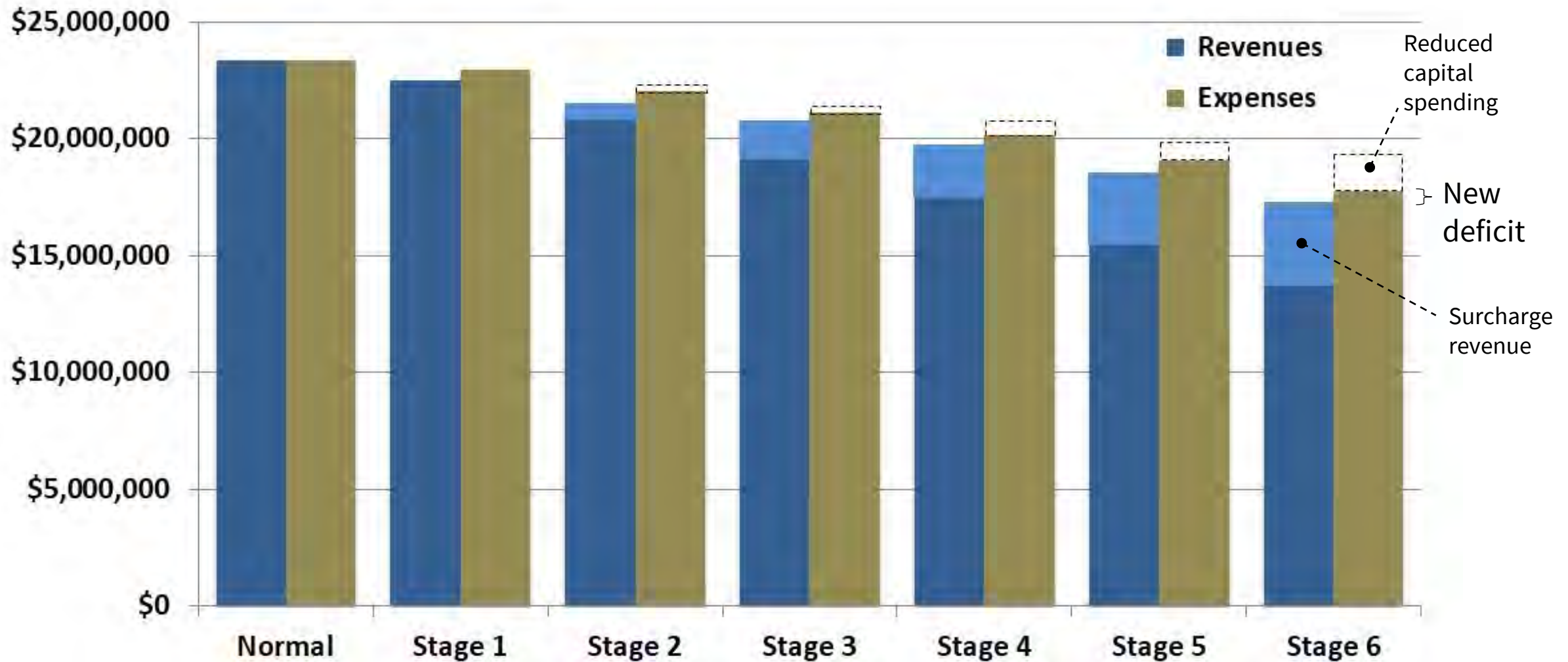
Novato Water Drought Surcharge Analysis

Use Reduction Goal -->		Up to 10%	Up to 20%	Up to 30%	Up to 40%	Up to 50%	Above 50%
Assumed Water Use Reduction -->		5%	15%	25%	35%	45%	55%
Drought Surcharge -->		0%	5%	13%	21%	30%	42%
Normal Supply		Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
<i>Estimated Financial Impact from Water Shortage</i>							
Reduced Water Sales Revenue	(na)	-\$836,000	-\$2,498,000	-\$4,144,000	-\$5,776,000	-\$7,391,000	-\$8,991,000
Reduced Water Supply Costs	(na)	\$394,000	\$1,183,000	\$1,971,000	\$2,759,000	\$3,548,000	\$4,336,000
Reduced Pumping Costs	(na)	\$21,000	\$63,000	\$105,000	\$147,000	\$189,000	\$231,000
Increase in Conservation Program Costs	(na)	-\$19,000	-\$57,000	-\$94,000	-\$232,000	-\$270,000	-\$307,000
Est. Total Financial Deficit	\$0	-\$440,000	-\$1,309,000	-\$2,162,000	-\$3,102,000	-\$3,924,000	-\$4,731,000
<i>Multi-Pronged Corrective Strategy</i>							
Increase in Revenue from Surcharges	(na)	\$0	\$675,000	\$1,541,000	\$2,147,000	\$2,582,000	\$2,943,000
Strategic Decrease in Capital Spending	(na)	\$0	\$137,000	\$274,000	\$548,000	\$822,000	\$1,371,000
Total Corrective Actions:	(na)	\$0	\$812,000	\$1,815,000	\$2,695,000	\$3,404,000	\$4,314,000
Strategic Use of Reserves	\$0	-\$440,000	-\$497,000	-\$347,000	-\$407,000	-\$520,000	-\$417,000

Novato Water Without Without Mitigating Measures



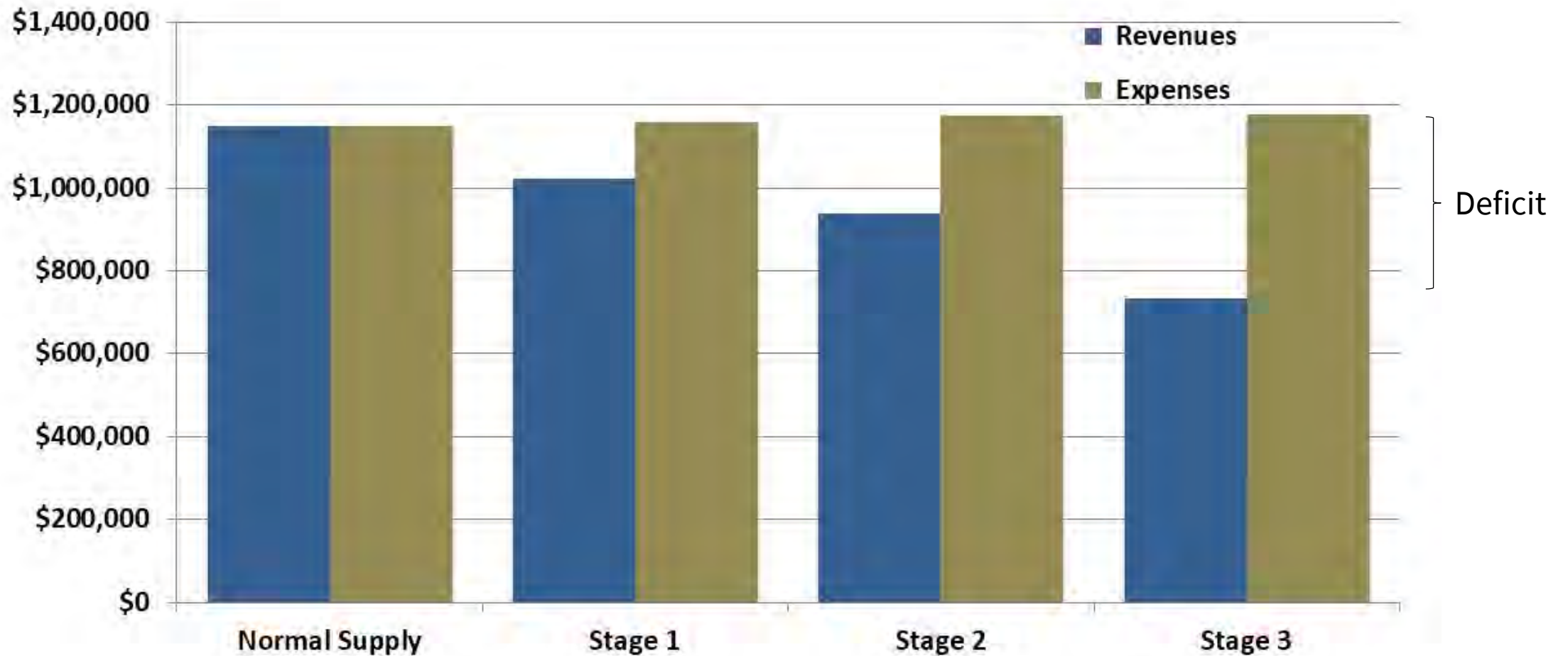
Novato Water with Mitigating Measures



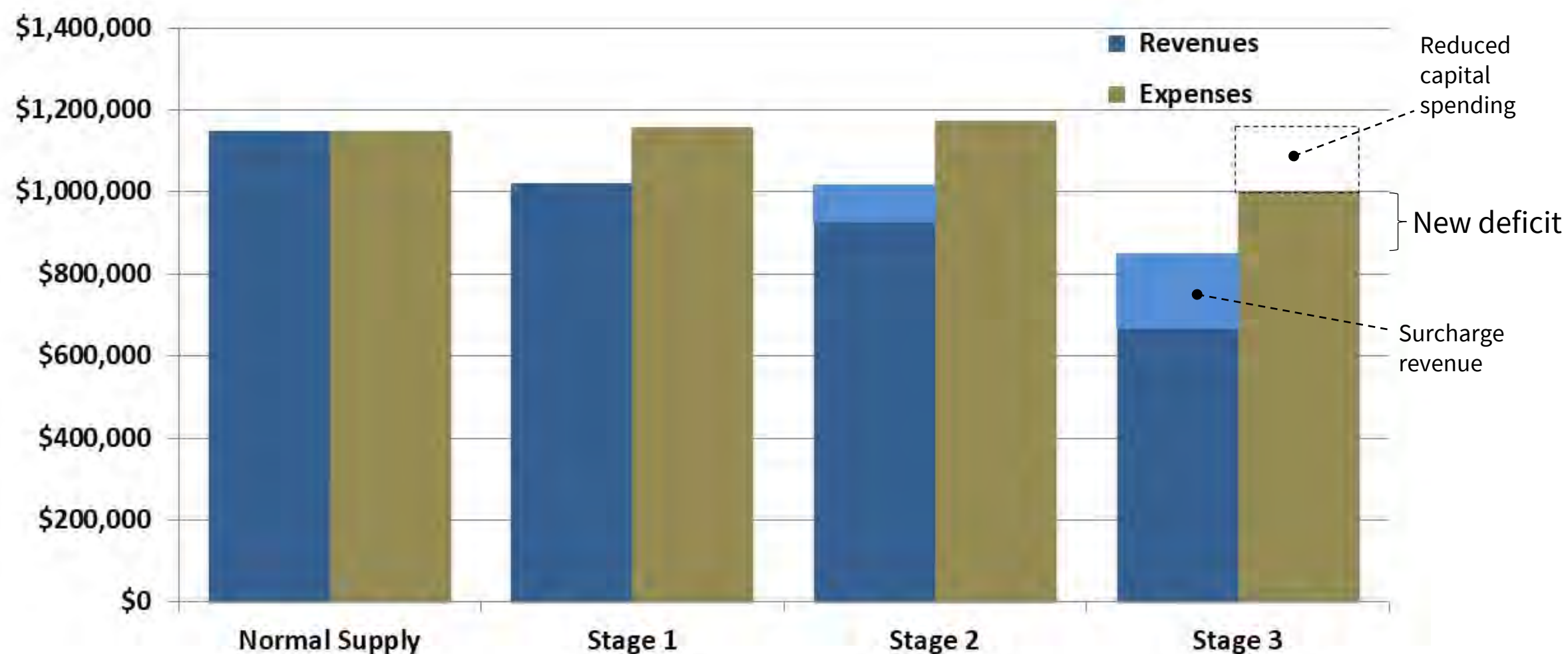
West Marin Drought Surcharge Analysis

Use Reduction Goal -->		15%	25%	50%
Assumed Water Use Reduction -->		15%	25%	50%
Drought Surcharge -->		0%	13%	30%
Normal Supply		Stage 1	Stage 2	Stage 3
<i>Estimated Financial Impact from Water Shortage</i>				
Reduced Water Sales Revenue	(na)	-\$126,000	-\$210,000	-\$417,000
Reduced Water Treatment Costs	(na)	\$5,000	\$8,000	\$16,000
Reduced Pumping Costs	(na)	\$5,000	\$8,000	\$15,000
Increase in Conservation Program Costs	(na)	-\$20,000	-\$40,000	-\$60,000
Estimated Total Financial Deficit	\$0	-\$136,000	-\$234,000	-\$446,000
<i>Multi-Pronged Corrective Strategy</i>				
Increase in Revenue from Surcharges	(na)	\$0	\$77,870	\$117,600
Strategic Decrease in Capital Spending	(na)	\$0	\$0	\$177,520
Total Corrective Actions:	(na)	\$0	\$77,870	\$295,120
Strategic Use of Reserves	\$0	-\$136,000	-\$156,130	-\$150,880

West Marin Without Mitigating Measures



West Marin with Mitigating Measures



Next Steps

- Mail Prop 218 Notices May 2, 2022
- Conduct Public Hearing Novato Water June 21, 2022
- Conduct Public Hearing West Marin June 28, 2022
- Implement Surcharges July 1, 2022

8

MEMORANDUM

To: Board of Directors

March 11, 2022

From: Drew McIntyre, General Manager
Julie Blue, Auditor ControllerSubj: Authorize Affirmative Vote for SCWA FY2022-2023 Water Transmission System Budget
t:\gm\2022 misc\scwa fy23 budget.docx**RECOMMENDED ACTION:** Authorize WAC Representative to vote in favor for SCWA FY2022-2023 Water Transmission System (WTS) Budget**FINANCIAL IMPACT:** Approximately \$280,000 increase in purchased water

A final draft of the Sonoma County Water Agency Water Transmission System budget for Fiscal Year 2022/23 (FY23) is provided as Attachment 1. A presentation of the Draft FY23 SCWA WTS Budget will be provided by Ms. Lynne Rosselli, Administrative Services Division Manager (see Attachment 2). The budget proposes NMWD water purchases to increase by 5.2% next fiscal year. This is an increase to \$1,101.82 per acre-foot, versus \$1,047.34 per acre-foot this current fiscal year (Attachment 1, pg. 2). The SCWA budget is based on projected purchases of 6,455 AF versus 6,224 AF budgeted in FY22. The increase in water rates account for an estimated increase in annual purchased water of \$280,000. The total increase will vary depending on the volume of water purchased. SCWA is forecasting 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 SCWA and NMWD includes a Russian River Conservation Charge and a Russian River Projects Charge in lieu of property taxes levied on Sonoma County properties.

A TAC Ad Hoc Finance subcommittee was formed in December, 2021 to review and negotiate the budget with the Agency. The Ad Hoc Finance subcommittee (which included Ms. Blue) met twice in February 2022. The TAC unanimously approved the FY23 SCWA WTS budget on March 7, 2022. A special WAC meeting will be held on April 4, 2022 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 SCWA Water Transmission System Budget.

Water Transmission FY 2022-2023 Draft Budget and Rates

This draft FY22-23 Water Transmission Budget is based on the 36-month average water deliveries of 45,748. The draft budget is shown in the table below:

	FY21-22	FY22-23	
	Budget (in Millions)	Budget (in Millions)	Change (in Millions)
Operations and Maintenance	\$30.54	\$38.68	\$8.14
Capital Projects	\$9.67	\$13.25	\$3.58
Biological Opinion Compliance, Water Supply Planning, Water Conservation	\$11.05	\$13.89	\$2.84
Debt Service	\$4.85	\$6.01	\$1.16
Totals	\$56.11	\$71.83	\$15.72
Grants, Use of Fund Balance, and Bond Proceeds	\$8.49	\$15.31	\$6.82

Budget and Rate Reduction Measures: Changes made since January 21, 2022 Draft Water Transmission Budget:

- Decreased rate increase from 9.99% to 6.84% (Santa Rosa and Petaluma Aqueducts) and 6.52% (Sonoma Aqueduct).
- Water Contractors elected to lower Aqueduct Capital Charge to further decrease rate increase to 6.06% (Santa Rosa Aqueduct) and 6.16% (Petaluma Aqueduct).
- Sonoma Aqueduct Water Contractors elected to keep Aqueduct Capital Charge at \$38/AF resulting in a rate increase of 6.52%.
- Decreased O&M project costs by \$1.47 million.
- Increased use of fund balance by \$2.5 million to \$7.2M.
- 2022 sale of \$15M in Revenue Bonds.
- Decreased debt service costs by \$300,000. Bond issuance costs moved to FY21-22.
- Increased Water Conservation Rate to maintain positive fund balance.
- Increased costs by \$2.51M for Dry Creek Habitat Enhancement Projects.
- Total Cost per gallon is \$0.003.

Highlights of projects included in the FY22-23 Draft Water Transmission System Budget are summarized below.

Capital Projects

Investing in Infrastructure; Issue up to \$15M in Water Revenue Bonds

Construction: Hazard Mitigation Projects: \$2.03M

- Ely BPS Flood Control & Electrical Upgrade – offsetting grant revenue
- Mark West Creek Crossing Seismic Hazard Mitigation – offsetting grant revenue
- Russian River Crossing Seismic Hazard Mitigation – offsetting grant revenue

Design: Hazard Mitigation Capital Projects: \$1.14M

- Bennett Valley Fault Crossing
- Local Hazard Mitigation Seismic Program Design
- Santa Rosa Creek Crossing Seismic Hazard Mitigation
- Seismic Retrofit of Storage Tanks

Construction: Other Capital Projects: \$3.45M

- Warm Springs Dam Hydro Turbine Retrofit
- Wohler Bridge Fiber Optic Cable
- Wohler Plant Access Rd. Retaining Wall

Design: Other Capital Projects: \$6.63M

- Kawana-Ralphine Sonoma Booster Station Pipeline
- Mirabel/Wohler Storage Building
- RDS Pump and Motor Control Center Replacement
- Sebastopol/Occidental Road Wells: Drought Mitigation Rehabilitation and Aquifer Storage and Recovery – offsetting grant revenue
- South East Greenway Acquisition
- Todd Road Well - Recirculation/Automation/Disposal
- Wilfred Booster Station Upgrade

Operations and Maintenance - \$38.7M

Projects

- Asset Management Program
- Cathodic Protection – Santa Rosa AQ/Cotati AQ
- Collector Well Pumpset Replacement
- Emergency Inventory Procurement (per 2019 Grand Jury Report)
- Main line valve replacements
- Mirabel Well Fields #1 and #7 - Full Rehabilitation
- Petaluma AQ leak repair
- SCADA Improvements
- Tank Recoats (2 tanks)
- Todd Road Well Maintenance
- Value, Meter, and Motor Replacements/Repair; Leak Repairs
- Wildfire Vegetation Management

Studies

- Collector Wells, AQs, Tanks Seismic Mitigation Study
- CPT Investigation for Liquefaction Mitigation
- Groundwater Banking Feasibility - Pilot Studies
- Hydrography Study
- LHMP Program
- Mirabel 12kv Multi-Hazard Resiliency FS
- Regional Water Supply Resiliency Study
- Transmission System Monitoring Master Plan
- Watershed Water Quality Monitoring - USGS
- Watershed Water Quality Study – LBNL
- Water Transmission System Transient Analysis
- Wohler Motor Control Center & Chlorine Storage Facility Assessment

Biological Opinion

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 2022. 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 Phase 4 construction costs. The draft budget includes 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 2022.

Water Conservation

- Sonoma Water and the Sonoma Marin Saving Water Partnership plan to continue work on drought related initiatives and corresponding outreach and education activities.
- Sonoma Water in collaboration with the water contractors and other partners will implement water use efficiency, water conservation, and other projects to increase water supply reliability. Costs will be offset by a U.S. Bureau of Reclamation WaterSMART Water and Energy Efficiency Grant.

Summary

The draft proposed budget for FY 2022/2023 is based on accomplishing the required elements of the Biological Opinion, continued implementation of hazard mitigation and reliability projects, projects responsive to the extreme drought conditions, and maintenance of facilities. Alternative sources of revenue including federal and state grants, existing fund balances, and bond financing will be used to finance projects. A discretionary aqueduct capital charge is included in the budget to build fund balance for future capital projects and avert rate spikes in subsequent years. This budget allows Sonoma Water to meet the operations, maintenance, capital, and regulatory demands of the system, and maintains fund balances within policy for prudent reserve.

Sonoma Water recognizes the profound impact of 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 in FY21-22 at a minimum while continuing to maintain system reliability and public health and safety. Mitigation measures included using fund balance, bond revenue, and grants to the maximum extent possible, and realizing cost savings of \$1.3 million by deferring construction and maintenance projects.

This proposed budget exceeds the rate increases in line with the Long Range Financial Plan target of 4 to 6 percent. The proposed rate increase is necessary to invest in critical infrastructure improvements and deferred maintenance, implement drought related water reliability projects, and remain prepared for natural hazards.

Proposed rates are shown in the table below:

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	45,748		
O&M	\$816.03	\$816.03	\$816.03
Water Management Planning	\$0.20	\$0.20	\$0.20
Watershed Planning & Restoration	\$32.70	\$32.70	\$32.70
Recycled Water and Local Supply	\$0.50	\$0.50	\$0.50
Water Conservation	\$47.50	\$47.50	\$47.50
Total O&M	\$896.93	\$896.93	\$896.93
Storage & Common Bond/Loan Charges	\$153.11	\$153.11	\$153.11
Sonoma Aqueduct Bond/Loan Charge			\$131.87
Prime Contractors	\$1,050.04	\$1,050.04	\$1,181.90
<u>Discretionary Charges</u>			
Capital Charges - to build fund balance for future projects	\$11.00	\$12.00	\$38.00
Total Prime Contractors	\$1,061.04	\$1,062.04	\$1,219.90
Total Overall Increase:	6.06%	6.16%	6.52%

- **Deliveries: (Budget Packet Pages 9-14):**
 - FY 2022-2023: rates are based on budgeted deliveries of **45,748 Acre-Feet (AF)**. Per the Restructured Agreement for Water Supply, rates are calculated using the lesser of: the average annual water deliveries for the past 36 months (45,748 AF) or the last 12 months of water deliveries (Calendar Year (CY) 2021: 45,788 AF). Actual deliveries for CY 2021 were 4.1% less than CY 2020: 47,748 AF. FY 2022-2023 budgeted deliveries are 0.75% less than FY 2021-2022 budgeted deliveries.
 - FY 2021-2022: budgeted deliveries for rate calculation were based on average annual water deliveries for the prior 36 months (46,095 AF). Actual FY deliveries will be determined at the end of FY 2021-2022. Current trend indicates actuals may be less than budget by 10% but the figures will be significantly affected by winter rain levels and drought conditions.
 - FY 2020-2021: budgeted deliveries were 43,707 AF. Actual deliveries were 51,848 AF (18.6% higher).
- **Operations and Maintenance (O&M) – Water Transmission O&M Fund (Budget Packet Pages 15-23):**
 - 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	\$130.11	19.0%	Increase due to cathodic protection projects and tank recoat projects.
Revenue	\$2,171,000	4.6%	Increase in revenue is attributable to the rate increase.
Expenditures	\$2,531,000	4.6%	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	\$842,000	5.1%	Increase is attributable to an increase in labor for 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.
Power	\$0	0.0%	No increase anticipated over FY2021-2022 budget.
Chemicals	(\$200,000)	-22.2%	Reflects prior year actuals and five-year average expenditures.
Testing/Analysis	\$15,000	11.1%	Increase due to water quality testing to support USGS and Lawrence Berkeley National Laboratory Studies.
Contract Services	\$5,683,000	96.7%	Increase due to tank maintenance, cathodic protection, SCADA upgrade contracts which make up more than 75% of the total cost.
Maintenance - Equipment	\$1,821,000	124.3%	Increase for collector well pump and valve replacements and chlorine and pH projects to build system resiliency.
Small Tools - Instruments	(\$50,000)	-33.3%	Reflects prior year actuals and five-year average expenditures.
Operating Transfers	(\$5,259,000)	-33.8%	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 24-33):**

- 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		Fiscal Year 2021/2022 rate is \$0.00. Fund is for Urban Water Management Plan updates. Past rate increases have accumulated fund balance. Urban Water Management Plan was submitted in Fiscal Year 2021.
Revenue	\$9,000	480.6%	Using an estimated \$66,000 in fund balance to decrease rate increase and smooth overall rate increase.
Expenditures	(\$5,000)	-6.3%	Budget decrease is due to submittal of the Fiscal Year 2021 Urban Water Management Plan in Fiscal Year 2020/2021. 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	(\$99.96)	-75.3%	Fiscal Year 2021/2022 rate is \$132.66. Decrease due to use of fund balance as Sonoma Water continues to be credited by the U.S. Army Corps for expenditure of cost share. Work continues for design and right-of-way expenditures for Dry Creek Habitat Enhancement phases 5 and 6, construction of phases 4 and 5, and other required biological opinion activities. Up to \$7,500,000 in fund balance is being used for design and construction costs to smooth rate impact.
Revenue	(\$4,937,000)	-70.9%	Decrease in subfund rate resulting from use of fund balance for ongoing Dry Creek Habitat Enhancement phases 4, 5 and 6, and other required biological opinion activities.
Expenditures	\$1,702,000	23.3%	Increase in expenditures for construction of Dry Creek Habitat Enhancement phase 4. Budget includes ongoing costs for phases 5 and 6 design, right-of way, and construction 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	(\$0.43)	-45.9%	Fiscal Year 2021/2022 rate is \$0.93. Past rate increases have accumulated sufficient fund balance for this fund.
Revenue	(\$21,000)	-46.0%	Using up to \$33,000 in fund balance to decrease rate increase and smooth overall rate increase.
Expenditures	(\$45,000)	-44.6%	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	\$3.06	6.9%	Fiscal Year 2021/2022 rate is \$44.44. Rate increase is for program needs including Proposition 1 Bay Area grant program and USBR Water Use Efficiency Grant Program.
Revenue	\$1,191,000	37.6%	Using up to \$586,000 in fund balance to reduce conservation fund rate increase and smooth overall rate increase.
Expenditures	\$1,192,000	33.4%	Increase will be 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 44-58):**
 - The rates are calculated by dividing the annual debt service and reserve requirements (2012A, 2015A, 2019A, and 2022A Water Revenue Bonds) by water deliveries. FY22-23 new money financing (Water Revenue Bonds 2022A): Total \$15M at 3% for 25 years (matures in 2046).

Storage and Common Bond/Loan Charges	Increase (Decrease) in Dollars	Percent Change	Description
Storage Bond/Loan Charge	\$3.43	14.8%	Fiscal Year 2021/2022 rate is \$23.12. Rate is based on revenue requirement for debt service divided by water deliveries. Rate increase is due to decrease in budgeted water deliveries, and issuance of 2022 Bonds for capital expenditure needs in Storage Facilities.
Common Bond/Loan Charge	\$33.17	35.5%	Fiscal Year 2021/2022 rate is \$93.39. Rate is based on revenue requirement for debt service divided by water deliveries. Rate increase is due to decrease in budgeted water deliveries, and issuance of 2022 Bonds for capital expenditure needs in Common Facilities.
Sonoma Aqueduct Bond/Loan Charge	\$5	4.1%	Fiscal Year 2021/2022 rate is \$126.72. Sonoma Aqueduct pays an additional revenue bond charge for the bonds associated with the Eldridge-Madrone Pipeline Project. Rate is based on revenue requirement for debt service divided by water deliveries. Rate increase is due to decrease in budgeted water deliveries.

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 2021-2022 budget included a rate per AF of \$20 for the Santa Rosa and Petaluma Aqueducts, and \$38 for the Sonoma Aqueduct.
- 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.

- Aqueduct Capital Charges provide rate stabilization capacity and funding for future hazard mitigation projects.
- **Overall Draft Proposed Rate Increases: (Budget Packet Pages 1-8):**
 - 6.06% (Santa Rosa Aqueduct); 6.16% (Petaluma Aqueduct); 6.52% (Sonoma Aqueduct)
 - FY 2022-2023 budgeted deliveries are based on the average annual water deliveries for the past 36 months (45,748 AF). FY 2022-2023 budgeted deliveries are 0.75% less than FY 2021-2022 budgeted deliveries.
 - The FY2022-2023 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 and fire related water quality studies), emergency response planning and training, Biological Opinion Flow EIR and Dry Creek Habitat Enhancement design and right-of-way for phases 5, and 6, and construction for phases 4 and 5; and investment in hazard mitigation and other capital infrastructure projects.

FY 2022-2023 Capital Projects

(Budget Packet Pages 34-43):

Water Transmission Budget		FY22-23	
Capital Projects Summary			
Project	Category	Amount	Status
Santa Rosa Creek Crossing	Santa Rosa AQ	50,000	Funding de-obligated; re-evaluating project design and schedule
Ely BPS Flood Control & Electrical Upgrade	Petaluma AQ	510,215	Anticipated award FY21/22; Offsetting Revenue
LHMP - Program Design	Petaluma AQ	40,000	Preliminary design/Consultant selection 22/23
Marin Sonoma Narrows Segment C2	Petaluma AQ	391,000	Project being completed by Caltrans. Expect final payments in FY22/23
Bennett Valley Fault Crossing	Sonoma AQ	25,000	Preliminary design/Consultant selection 22/23
Kawana-Ralphine SBS Pipeline	Storage	25,000	Preliminary design/Consultant selection 22/23
Bennett Valley Fault Crossing	Storage	25,000	Preliminary design/Consultant selection 22/23
Seismic Retrofit of Storage Tanks	Storage	1,000,000	Preliminary design; Tied to Tank Recoat schedule
South East Greenway Acquisition	Storage	50,000	ROW Negotiations
Mirabel/Wohler Storage Building	Common	1,200,000	Preliminary design
MW Creek Crossing	Common	835,700	FY21/22 award; construction summer 22; Offsetting Revenue
RDS Pump and Motor Control Center Replacement	Common	366,710	Preliminary design; award in FY23/24
RR Crossing	Common	682,500	Awarded FY20/21; construction commenced FY21/22, completion 22/23; Offsetting Revenue
Seb/Occ Well - Rehab & ASR	Common	4,250,000	Design advancing; DWR grant award FY21/22; construction start FY22/23; Offsetting Revenue
Todd Road Well - Recirculation/Automation/Disposal	Common	500,000	Design; construction 22/23
Warm Springs Dam Hydroturbine Retrofit	Common	2,720,409	Reject/Rebid; 90% design; FY21/22 funds used for Todd Road Well Construction
Wilfred Booster Station	Common	236,920	Design @ 60%
Wohler Bridge Fiber Optic Cable	Common	50,000	Public Works Project expected summer 22/23
Wohler Plant Access Rd. Retaining Wall	Common	292,227	90% design; Construction 22/23
	TOTAL	13,250,681	
	Santa Rosa AQ	50,000	
	Petaluma AQ	941,215	
	Sonoma AQ	25,000	
	Storage	1,100,000	
	Common	11,134,466	
		13,250,681	

Sonoma County Water Agency
Fiscal Year 2022/2023 Draft Water Transmission Budget and Rates

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Fiscal Year 2022/2023

Prime Contractor Rates Summary

	CHARGE PER ACRE FOOT:						Percent Change
	Santa Rosa	Petaluma	Sonoma				
	Aqueduct	Aqueduct	Aqueduct	FY21-22 SR	Pet	Son	
<u>O&M Charge [4.2]</u>	816.03	816.03	816.03	\$685.92	\$685.92	\$685.92	18.97%
Water Management Planning Sub-charge [4.13]	0.20	0.20	0.20	\$0.00	\$0.00	\$0.00	
Watershed Planning/Restoration Sub-charge [4.14]	32.70	32.70	32.70	\$132.66	\$132.66	\$132.66	-75.35%
Recycled Water & Local Supply Sub-charge [4.15]	0.50	0.50	0.50	\$0.93	\$0.93	\$0.93	-45.94%
Water Conservation Sub-charge [4.16]	47.50	47.50	47.50	\$44.44	\$44.44	\$44.44	6.89%
O&M Charge	896.93	896.93	896.93	\$863.95	\$863.95	\$863.95	3.82%
Storage and Common Bond & Loan Charges	153.11	153.11	153.11	\$116.51	\$116.51	\$116.51	31.41%
Sonoma Aqueduct Bond Charge			131.87			\$126.72	4.1%
<hr/>							
PRIME CONTRACTORS	\$1,050.04	\$1,050.04	\$1,181.90	\$980.46	\$980.46	\$1,107.18	7.10%
Capital Charges - to build fund balance for future projects	11.00	12.00	38.00	\$20.00	\$20.00	\$38.00	-45%
PRIME CONTRACTORS	11.00	12.00	38.00	\$20.00	\$20.00	\$38.00	-45%
<hr/>							
TOTAL PRIME CONTRACTORS	\$1,061.04	\$1,062.04	\$1,219.90	\$1,000.46	\$1,000.46	\$1,145.18	6.06%
Increase from Fiscal Year 2021/2022	6.06%	6.16%	6.52%	3.47%	3.47%	3.43%	
With No Capital Charge	4.96%	4.96%	3.21%				

Deliveries:

	12-month	36-month
FY13-14	45,960	
FY14-15		46,000
FY15-16	50,590	
FY16-17	40,524	
FY17-18	41,446	
FY18-19		41,768
FY19-20		43,870
FY21-22	43,707	
FY22-23		45,748

Fiscal Year 2022/2023

Prime Contractor Rates Summary

CHARGE PER ACRE FOOT:
Petaluma AQ

	NMWD	NMWD	Percent Change
	FY22-23	FY21-22	
O&M Charge [4.2]	816.03	\$685.92	18.97%
Water Management Planning Sub-charge [4.13]	0.20	\$0.00	
Watershed Planning/Restoration Sub-charge [4.14]	32.70	\$132.66	-75.35%
Recycled Water & Local Supply Sub-charge [4.15]	0.50	\$0.93	-45.94%
Water Conservation Sub-charge [4.16]	47.50	\$44.44	6.89%
O&M Charge	896.93	\$863.95	3.82%
North Marin Bond & Loan Charge [4.9]	75.61	\$56.82	33.06%
Russian River Conservation Charge [4.18 (a)]	115.36	\$115.94	-0.50%
Russian River Projects Charge [4.18 (b)]	13.92	\$10.63	30.95%
TOTAL NMWD	\$1,101.82	\$1,047.34	5.20%

	Rates	Rate Increase
Town of Windsor	\$1,061.04	6.06%
Town of Windsor (Diverted Water)	\$80.90	-54.56%
NMWD	1,101.82	5.20%
MMWD	\$1,308.14	5.74%

WATER TRANSMISSION SYSTEM
FY22-23 WATER CHARGES PER ACRE-FOOT
FOR PRIME CONTRACTORS

FISCAL YEAR	SANTA ROSA AQUEDUCT	% INCR. (DECR.)	PETALUMA AQUEDUCT	% INCR. (DECR.)	SONOMA AQUEDUCT	% INCR. (DECR.)
2022 - 2023	1061.04	6.06%	1062.04	6.16%	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%
2000 - 2001	330.76	6.72%	331.61	6.60%	320.74	7.60%

**WATER TRANSMISSION SYSTEM
FY22-23 REVENUE SUMMARY CHART**

WATER CUSTOMER	FY22-23 Budgeted Water Use (Acre-Feet)	FY21-22 Rate \$/Acre-Foot	FY22-23 Proposed Rate \$/Acre-Foot	Dollar Change	Percent Change
Santa Rosa Aqueduct	17,252	\$1,000.46	\$1,061.04	\$60.58	6.06%
Petaluma Aqueduct	9,415	1,000.46	1,062.04	\$61.58	6.16%
Sonoma Aqueduct	4,037	1,145.18	1,219.90	\$74.72	6.52%
North Marin Water District	6,455	1,047.34	1,101.82	\$54.47	5.20%
Marin Municipal – Fourth Off Peak	4,300	1,237.08	1,308.14	\$71.06	5.74%
Marin Municipal – Supplemental	2,297	1,237.08	1,308.14	\$71.06	5.74%
Forestville Aqueduct	400	1,000.46	1,061.04	\$60.57	6.05%
Wholesale/Municipal	1,052	1,374.21	1463.874	\$89.66	6.52%
Surplus	76	1,036.74	1,076.32	\$39.58	3.82%
Windsor	463	1,000.46	1,061.04	\$60.58	6.06%
TOTAL	45,748				

SONOMA COUNTY WATER AGENCY RATES FOR WATER DELIVERIES IN FY22-23

[X] ESTIMATED [] OFFICIAL

CHARGE PER ACRE FOOT:

	Santa Rosa Aqueduct	Petaluma Aqueduct	Sonoma Aqueduct
PRIME CONTRACTORS			
<u>O&M Charge [4.2]</u>	\$816.03	\$816.03	\$816.03
Water Management Planning Sub-charge [4.13]	\$0.20	\$0.20	\$0.20
Watershed Planning/Restoration Sub-charge [4.14]	\$32.70	\$32.70	\$32.70
Recycled Water & Local Supply Sub-charge [4.15]	\$0.50	\$0.50	\$0.50
Water Conservation Sub-charge [4.16]	\$47.50	\$47.50	\$47.50
O&M Charge	\$896.93	\$896.93	\$896.93
 <u>Bond & Loan Charges - to pay for existing debt service</u>			
Storage Facilities Capital Charge [4.7]	26.55	26.55	26.55
Common Facilities Capital Charge [4.8]	126.56	126.56	126.56
Sonoma Aqueduct Facilities Capital Charges [4.6 b]			131.87
<i>Total Bond & Loan Charges</i>	\$153.11	\$153.11	\$284.97
<i>Discretionary:</i>			
<u>Aqueduct Capital Charges - to build fund balance for future projects</u>			
Aqueduct Facilities Capital Charges [4.6 e]	11.00	12.00	38.00
LRT2 - included in Recycled Water & Local Supply Sub-Charge above.			
TOTAL PRIME CONTRACTORS	\$1,061.04	\$1,062.04	\$1,219.90
Charge without LRT2 and voluntary AQ Capital Charge	\$1,050.04	\$1,050.04	\$1,181.90
OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES			
(WATER CO'S & PUBLIC AGENCIES)			
O&M Charge	\$896.93	\$896.93	\$896.93
Capital Charges	153.11	153.11	284.97
Aqueduct Facilities Capital Charge [4.12]	\$413.83	\$413.83	\$281.97
TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12)	\$1,463.87	\$1,463.87	\$1,463.87
(120% OF HIGHEST PRIME)			
FORESTVILLE			
O&M Charge [4.2] *	\$816.03		0.04
Water Management Planning Sub-charge [4.13]	0.20		
Watershed Planning/Restoration Sub-charge [4.14]	32.70		
Recycled Water & Local Supply Sub-charge [4.15]	0.50		
Water Conservation Sub-charge [4.16]	47.50		
O&M Charge	\$896.93		
<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]	26.55		
Common Facilities Capital Charge [4.8]	126.56		
<i>Total Capital Charges</i>	\$164.11		
TOTAL FORESTVILLE	\$1,061.04		
* 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		\$896.93	Note: N. Marin pays bond and loan charge in lieu of Capital Charge.
North Marin Bond & Loan Charge [4.9]		75.61	
Russian River Conservation Charge [4.18 (a)]		115.36	
Russian River Projects Charge [4.18 (b)]		13.92	
TOTAL NORTH MARIN WATER DISTRICT		1,101.82	
FOURTH OFF-PEAK (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$1,178.86	
Russian River Conservation Charge		115.36	
Russian River Projects Charge		13.92	
TOTAL FOURTH OFF-PEAK		\$1,308.14	
SUPPLEMENTAL (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$1,178.86	
Russian River Conservation Charge		115.36	
Russian River Projects Charge		13.92	
TOTAL SUPPLEMENTAL		\$1,308.14	
SURPLUS			
Non-Municipal / Municipal [4.11 (a)]	\$1,076.32	\$1,076.32	\$1,076.32
(120% of O&M Charge)			
Town of Windsor		\$1,061.04	
Town of Windsor is charged 120% of the highest charge for any other prime contractor on the Santa Rosa Aqueduct from FY 06/07 to FY 21/22 [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)].			
	\$1,061.04		

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

FY 2022-23 BUDGET
SONOMA COUNTY WATER AGENCY
Operations and Maintenance Rate Computation

O & M REVENUE REQUIREMENT

FY22-23	ESTIMATED FISCAL YEAR EXPENDITURES	\$57,078,958
	685.02	
LESS:		
DepreciationAmortization		8,077,000
Investment Income, Interest on Pooled Cash, Charges for Services		36,000
Power Sales		100,000
PWRPA Pre-paid Expense - FY 08/09 Rate Reduction- <i>One time only</i>		
"Mandatory Prudent Reserve" charge		0
Recycled Water funds (Sub-object 7277) taken from special reserve		
Transfers Out		10,295,889
REVENUE REQUIREMENT (Net Expenditures)		<u>\$38,570,069</u>

O & M ACRE FOOT BASE

DELIVERIES:	45,747.8
LESS:	
Marin Municipal	6,596.8
Surplus (Irrigation)	34.9
TOTAL BASE DELIVERIES	<u>39,116.0</u>

O & M RATE COMPUTATION:

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

$$= \frac{38,570,069 - (4,300.00 \times 1008.12) - (2,296.85 \times 1008.12)}{45,747.8 - 34.9 - 6,596.8}$$

* = 816.03

FY22-23
Proposed Water Rates

	<u>FY21-22</u>	<u>FY22-23</u>	
	(Actual)	(Proposed)	% Change
O&M Charge	685.92	816.03	18.97%
Water Management Planning Sub-Charge	0.00	0.20	
Watershed Planning/Restoration Sub-Charge	132.66	32.70	-75.35%
Recycled Water Sub-Charge	0.93	0.50	-45.94%
Water Conservation Sub-Charge	44.44	47.50	6.89%
Total O&M Charge	863.95	896.93	3.82%

Santa Rosa Aqueduct Rate

O&M Charge	863.95	896.93	3.82%
Aqueduct Facilities Capital Charges [4.6 e]	20.00	11.00	-45.0%
Storage Facilities Capital Charge [4.7]	23.12	26.55	14.84%
Common Facilities Capital Charge [4.8]	93.39	126.56	35.51%
TOTAL	1000.46	1061.04	6.05%

Petaluma Aqueduct Rate

O&M Charge	863.95	896.93	3.82%
Aqueduct Facilities Capital Charges [4.6 e]	20.00	12.00	-40.0%
Storage Facilities Capital Charge [4.7]	23.12	26.55	14.84%
Common Facilities Capital Charge [4.8]	93.39	126.56	35.51%
TOTAL	1000.46	1062.04	6.15%

Sonoma Aqueduct Rate

O&M Charge	863.95	896.93	3.82%
Aqueduct Facilities Capital Charges [4.6 e]	38.00	38.00	0.0%
Storage Facilities Capital Charge [4.7]	23.12	26.55	14.84%
Common Facilities Capital Charge [4.8]	93.39	126.56	35.51%
Sonoma Aqueduct Facilities Capital Charge	126.72	131.87	4.06%
TOTAL	1145.18	1219.90	6.52%

SONOMA COUNTY WATER AGENCY
RUSSIAN RIVER CONSERVATION CHARGE COMPUTATION

FISCAL YEAR 2022-23

PROPERTY ASSESSMENT VALUES AS OF FY21-22:

<u>TAX CODE</u>	<u>ENTITY</u>	<u>SECURED</u>	<u>UNSECURED</u>	<u>TOTAL VALUE</u>
14000	Forestville Co Water District	483,887,813	2,184,123	\$486,071,936
42800	City of Cotati	1,252,043,387	28,739,628	1,280,783,015
43500	City of Petaluma	11,216,857,842	436,509,079	11,653,366,921
43800	City of Rohnert Park	6,268,726,724	149,260,069	6,417,986,793
44500	City of Santa Rosa	26,892,729,129	859,787,222	27,752,516,351
45000	City of Sonoma	3,178,975,637	88,732,154	3,267,707,791
N/A	Valley of the Moon Water District	3,961,583,892	19,578,857	3,981,162,749
TOTAL		\$53,254,804,424	\$1,584,791,132	\$54,839,595,556

Notes:

- 1 Total value of secured and unsecured property in service areas of Prime Water Contractors of Sonoma County (see above) \$54,839,595,556
- 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 \$3,838,772
- 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. 33,275.86
- 5 Total Russian River Conservation Charge per Acre Foot (Line 3 / Line 4) \$115.36

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

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

		DELIVERING AQUEDUCT				Monthly
		Santa Rosa	Petaluma	Forestville	Sonoma	Total
36	Jan-19	1,002.3	1,176.4	19.0	198.2	2,396.0
35	Feb-19	1,098.3	1,137.9	18.4	176.0	2,430.7
34	Mar-19	1,165.9	1,028.0	20.8	164.9	2,379.6
33	Apr-19	1,265.0	1,794.2	24.6	177.3	3,261.2
32	May-19	1,117.0	2,055.4	29.2	264.6	3,466.1
31	Jun-19	1,588.5	2,062.7	32.1	315.4	3,998.7
30	Jul-19	2,297.8	2,778.4	51.7	538.0	5,666.1
29	Aug-19	1,872.0	2,185.7	48.2	456.5	4,562.4
28	Sep-19	1,734.9	2,078.1	41.9	457.0	4,311.9
27	Oct-19	2,000.5	2,290.4	48.3	514.5	4,853.8
26	Nov-19	1,502.4	1,484.6	40.2	410.9	3,438.0
25	Dec-19	1,307.8	1,339.8	18.4	276.7	2,942.8
24	Jan-20	1,029.5	1,198.3	18.9	168.7	2,415.4
23	Feb-20	1,100.9	1,411.3	20.3	170.5	2,702.9
22	Mar-20	1,258.5	1,644.6	22.2	268.9	3,194.3
21	Apr-20	1,483.7	1,749.8	27.9	289.9	3,551.3
20	May-20	1,532.6	1,713.9	30.7	356.7	3,633.9
19	Jun-20	1,700.7	2,162.3	42.3	471.0	4,376.3
18	Jul-20	2,458.9	2,844.2	55.9	631.6	5,990.6
17	Aug-20	1,889.6	2,304.7	47.2	532.0	4,773.5
16	Sep-20	1,656.9	2,133.9	42.0	444.3	4,277.1
15	Oct-20	2,108.6	2,653.4	52.5	522.1	5,336.7
14	Nov-20	1,318.5	2,013.1	31.8	360.4	3,723.7
13	Dec-20	1,329.1	2,126.5	27.3	289.9	3,772.8
12	Jan-21	1,341.2	2,161.8	25.8	251.8	3,780.6
11	Feb-21	1,137.9	1,750.8	20.3	176.2	3,085.1
10	Mar-21	1,066.4	2,050.6	21.7	170.9	3,309.6
9	Apr-21	1,617.8	3,025.1	36.1	373.9	5,052.9
8	May-21	1,402.9	2,533.3	40.4	388.6	4,365.2
7	Jun-21	1,450.2	2,468.5	40.2	421.5	4,380.3
6	Jul-21	1,863.3	2,297.6	51.0	466.7	4,678.6
5	Aug-21	1,507.9	1,705.1	39.5	315.6	3,568.1
4	Sep-21	1,455.3	1,654.3	36.8	298.1	3,444.4
3	Oct-21	1,514.3	1,842.1	36.7	306.9	3,700.0
2	Nov-21	968.6	1,552.0	17.4	215.8	2,753.9
1	Dec-21	1,228.0	2,149.4	23.5	268.1	3,669.0
Total Deliveries		53,373.8	70,558.0	1,201.2	12,110.3	137,243.3
3-Year Annual Average		17,791.3	23,519.3	400.4	4,036.8	45,747.8
Past 12 Months		16,553.9	25,190.5	389.3	3,654.0	45,787.7
Total Deliveries		53,373.8	70,558.0	1,201.2	12,110.3	137,243.3
Less: North Marin			19,366.4			19,366.4
Marin Municipal			19,790.5			19,790.5
Sonoma Co. Deliveries		53,373.8	31,401.1	1,201.2	12,110.3	98,086.4
3-Year Annual Average		17,791.3	10,467.0	400.4	4,036.8	32,695.5

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														***** DELIVERING AQUEDUCT *****																	
No.	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	TOTAL	Santa Rosa	Petaluma	Sonoma	TOTAL														
PRIMES														DELIVERED TO:																	
1	City of Santa Rosa	1,286.5	1,087.9	1,010.5	1,562.5	1,326.4	1,384.3	1,794.3	1,445.0	1,394.6	1,449.7	922.5	1,177.1	15,841.3	CITY OF SANTA ROSA (A)																
2	City of Petaluma	499.3	439.7	457.1	781.6	719.2	753.7	809.1	592.0	558.5	596.2	379.1	501.3	7,086.8	Jan 2021	1,095.4	0.0	191.2	1,286.5												
2	North Marin Water Dist.	480.4	447.3	821.9	1,238.6	663.1	660.6	662.5	555.8	530.0	522.6	288.9	460.1	7,331.7	Feb 2021	930.2	0.0	157.8	1,087.9												
2	City of Rohnert Park	140.2	28.4	208.6	428.3	398.0	273.9	234.5	157.4	166.5	148.2	81.7	136.3	2,402.2	Mar 2021	885.0	0.0	125.5	1,010.5												
2	City of Cotati	34.8	107.8	24.7	52.6	51.3	43.1	56.9	42.9	41.3	49.3	25.7	30.9	561.3	Apr 2021	1,281.9	0.0	280.7	1,562.5												
1	Town of Windsor	37.5	35.6	39.0	39.7	52.7	34.3	35.3	39.9	40.6	41.4	32.7	33.6	462.5	May 2021	1,091.2	0.0	235.1	1,326.4												
4	City of Sonoma	121.7	87.9	64.9	162.2	189.8	204.0	207.8	112.8	107.8	108.9	89.5	104.3	1,561.6	Jun 2021	1,221.0	0.0	163.3	1,384.3												
4	Valley of the Moon Dist.	110.0	71.7	90.4	185.9	178.3	197.6	239.1	184.4	174.9	180.2	114.0	152.5	1,878.9	Jul 2021	1,448.7	0.0	345.6	1,794.3												
TOTAL PRIMES														2,710.5	2,306.3	2,717.2	4,451.6	3,578.8	3,551.4	4,039.5	3,130.3	3,014.2	3,096.5	1,934.0	2,596.0	37,126.3					
OTHER AGENCY CUSTOMERS																															
1	Cal-American Water	16.9	13.8	16.5	14.2	22.6	29.9	31.7	23.0	18.8	22.1	13.0	16.7	239.1	Aug 2021	1,176.8	0.0	268.2	1,445.0												
2	Penngrove Water Co	12.4	9.5	10.6	18.7	18.6	19.5	25.5	19.6	18.2	17.2	9.2	11.5	190.5	Sep 2021	1,083.9	0.0	310.7	1,394.6												
4	Lawndale Mutual	2.8	1.8	2.3	5.2	5.4	5.9	6.6	5.9	6.2	5.5	1.8	3.2	52.8	Oct 2021	1,115.4	0.0	334.2	1,449.7												
4	Kenwood Village Water Co	0.5	0.4	0.5	1.1	0.5	0.6	0.7	0.6	0.6	1.0	0.8	0.7	7.8	Nov 2021	791.5	0.0	131.0	922.5												
3	Forestville Co Water Dist.	25.8	20.3	21.7	36.1	40.4	40.2	51.0	39.5	36.8	36.7	17.4	23.5	389.3	Dec 2021	1,019.0	0.0	158.1	1,177.1												
1	Other Gov-Santa Rosa Aq	0.1	0.0	0.2	1.3	1.3	1.7	2.0	2.0	1.3	1.1	0.5	0.6	12.3	TOTAL SANTA ROSA				13,139.9	0.0	2,701.3	15,841.3									
2	Other Gov-Petaluma Aq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	OTHER PRIME CONTRACTORS (B)																
4	Other Gov-Sonoma Aq	14.3	10.5	9.9	16.6	12.1	12.8	8.1	6.1	5.3	8.4	7.9	5.0	116.8	CITY OF PETALUMA	0.0	7,086.8		7,086.8												
TOTAL OTHER AGY. CUST														72.8	56.3	61.7	93.2	100.8	110.6	125.6	96.8	87.1	91.9	50.6	61.2	1,008.6	NORTH MARIN WATER DISTRICT		7,331.7	7,331.7	
OFF-PEAK CUSTOMERS																															
2	Marin Municipal	994.6	718.1	527.5	505.1	683.1	717.8	509.1	337.3	339.7	508.5	767.5	1,009.4	7,617.9	CITY OF ROHNERT PARK	18.9	2,383.3		2,402.2												
SURPLUS CUSTOMERS																															
1	Irrigation-Santa Rosa Aq	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	CITY OF COTATI	6.3	555.0		561.3												
2	Irrigation-Petaluma Aq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TOWN OF WINDSOR	462.5			462.5												
4	Irrigation-Sonoma Aq	2.6	3.8	3.0	2.9	2.5	0.6	4.4	3.7	3.4	3.0	1.8	2.5	34.1	CITY OF SONOMA			1,561.6	1,561.6												
TOTAL SURPLUS CUST.														2.7	4.4	3.1	2.9	2.5	0.6	4.4	3.7	3.4	3.0	1.8	2.5	34.9	VALLEY OF THE MOON DISTRICT		1,878.9	1,878.9	
TOTAL DELIVERIES														3,780.6	3,085.1	3,309.6	5,052.9	4,365.2	4,380.3	4,678.6	3,568.1	3,444.4	3,700.0	2,753.9	3,669.0	45,787.7	TOTAL OTHER PRIME CONTRACTORS	487.8	17,356.8	3,440.5	21,285.1
														LESS: NORTH MARIN					(7,331.7)		(7,331.7)										
TOTAL SONOMA COUNTY DELIVERIES														13,627.7	10,025.1	6,141.8	29,794.6														

FY 2022-23 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	38,023.0	816.03	31,027,770
2 OTHER AGENCY CUSTOMERS	1,051.6	1,382.97	1,454,332
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	1,008.12	4,334,922
4 MARIN MUNICIPAL (SUPPLEMENTAL)	2,296.8	1,008.12	2,315,500
5 SURPLUS CUSTOMERS	76.3	995.41	75,945
TOTAL WATER SALES - O&M	45,747.8	N/A	\$39,208,469

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]	45,747.8	0.20	9,000
1b Watershed Planning/Restoration Sub-charge [4.14]	45,747.8	32.70	1,496,170
1c Recycled Water & Local Supply Sub-charge [4.15]	45,747.8	0.50	23,000
1d Water Conservation Sub-charge [4.16]	45,747.8	47.50	2,173,043
TOTAL WATER SALES - Subcharges	45,747.8	N/A	\$3,701,213

FY 2022-23 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	17,791.3	816.03	14,518,132

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]	17,791.3	0.20	3,500
1b Watershed Planning/Restoration Sub-charge [4.14]	17,791.3	32.70	581,859
1c Recycled Water & Local Supply Sub-charge [4.15]	17,791.3	0.50	8,945
1d Water Conservation Sub-charge [4.16]	17,791.3	47.50	845,095
TOTAL WATER SALES - Subcharges	17,791.3	N/A	\$1,439,399

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	17,791.3	11.00	195,704
<u>BOND AND LOAN CAPITAL CHARGES</u>			
Storage Facilities Capital Charge [4.7]	17,791.3	26.55	472,365
Common Facilities Capital Charge [4.8]	17,791.3	126.56	2,251,577
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	17,791.3	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	17,791.3	N/A	\$2,919,646

TOTAL ESTIMATED REVENUE

\$18,877,177

FY 2022-23 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	23,519.3	816.03	19,192,385

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]	23,519.3	0.20	4,627
1b Watershed Planning/Restoration Sub-charge [4.14]	23,519.3	32.70	769,194
1c Recycled Water & Local Supply Sub-charge [4.15]	23,519.3	0.50	11,825
1d Water Conservation Sub-charge [4.16]	23,519.3	47.50	1,117,181
TOTAL WATER SALES - Subcharges	23,519.3	N/A	\$1,902,827

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	23,519.3	12.00	282,232
<u>BOND AND LOAN CAPITAL CHARGES</u>			
Storage Facilities Capital Charge [4.7]	23,519.3	26.55	624,447
Common Facilities Capital Charge [4.8]	23,519.3	126.56	2,976,494
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	23,519.3	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	23,519.3	N/A	\$3,883,173

TOTAL ESTIMATED REVENUE

\$24,978,385

FY 2022-23 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	4,036.8	816.03	3,294,104

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]	4,036.8	0.20	794
1b Watershed Planning/Restoration Sub-charge [4.14]	4,036.8	32.70	132,021
1c Recycled Water & Local Supply Sub-charge [4.15]	4,036.8	0.50	2,030
1d Water Conservation Sub-charge [4.16]	4,036.8	47.50	191,748
TOTAL WATER SALES - Subcharges	4,036.8	N/A	\$326,593

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
CAPITAL CHARGES			
Aqueduct Facilities Capital Charges [4.6 e]	4,036.8	38.00	153,397
BOND AND LOAN CAPITAL CHARGES			
Storage Facilities Capital Charge [4.7]	4,036.8	26.55	107,178
Common Facilities Capital Charge [4.8]	4,036.8	126.56	510,873
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	4,036.8	131.87	532,320
TOTAL WATER SALES - Capital & Bond and Loan Charges	4,036.8	N/A	\$1,303,768

TOTAL ESTIMATED REVENUE

\$4,924,465

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	18,302,676	16,027,234		7,447,370		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	216,174	36,000	36,000	36,000	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(9,846)	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	206,328	36,000	36,000	36,000	0	0.00%

INTERGOVERNMENTAL REVENUES

42282 State CalOES Disaster Funding	0	0	0	0	0	N/A
42284 State Cal OES Admin Allowance	0	0	0	0	0	N/A
42358 State Other Funding	0	0	0	0	0	N/A
42441 Federal FEMA Disaster Funding	0	0	0	0	0	N/A
42443 Federal FEMA Admin Allowance	0	0	0	0	0	N/A
42461 Federal Other Funding	0	0	0	0	0	N/A
42610 Other Governmental Agencies	0	0	0	0	0	N/A
42621 North Marin Water District	0	0	0	0	0	N/A
42701 Revenue Appl - PY Intergovmtl	0	0	0	0	0	N/A
SUBTOTAL	0	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	23,378	25,000	0	0	0	N/A
45301 Charges for Services	(100,147)	0	0	0	0	N/A
45314 Sale - Power	0	0	100,000	100,000	0	0.00%
45315 Sale - Water, Wholesale	35,300,510	29,764,133	33,071,259	39,208,469	6,137,210	18.56%
45316 Water Conservation	2,301,858	1,843,583	2,048,425	2,173,043	124,618	6.08%
45323 Common Fac Rev Bond Chg	3,446,748	3,091,822	3,529,049	4,128,123	599,074	16.98%
45324 Storage Fac Rev Bond Chg	861,332	785,991	785,991	866,050	80,060	10.19%
45325 Sonoma Aqueduct Rev Bond Chg	609,368	532,318	532,318	532,320	2	0.00%
45327 Santa Rosa Aqueduct Cap Chg	609,535	404,216	449,129	279,159	(169,970)	(37.84%)
45328 Petaluma Aqueduct Cap Chg	393,620	228,308	253,676	155,228	(98,448)	(38.81%)
45329 Sonoma Aqueduct Cap Chg	314,777	136,478	151,642	145,727	(5,914)	(3.90%)
45330 North Marin Rev Bond Chg	347,841	353,652	353,652	488,069	134,416	38.01%
45331 Water Mgmt Plan/Restore Chg	49,489	207	230	9,000	8,770	3813.04%
45332 Watershed Plan/Restore Chg	6,308,846	5,503,315	6,114,794	1,496,170	(4,618,624)	(75.53%)
45333 Recycled Water & Local Supply	50,538	38,700	43,000	23,000	(20,000)	(46.51%)
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
SUBTOTAL	50,517,695	42,707,722	47,433,165	49,604,358	2,171,193	4.58%

Miscellaneous Revenues

46027 Insurance Claims Reimbursement	28,405	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
46040 Miscellaneous Revenue	1,662	8,000	0	0	0	N/A
46041 Discounts Earned	14	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	1,437	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	4,394	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	35,912	8,000	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	50,759,935	42,751,722	47,469,165	49,640,358	2,171,193	4.57%

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	6,600	6,600	6,600	0	0.00%
51041 Insurance - Liability	0	0	11,000	0	(11,000)	(100.00%)
51061 Maintenance - Equipment	877,139	1,615,000	1,465,000	3,286,389	1,821,389	124.33%
51071 Maintenance - Bldg & Improve	0	0	0	0	0	N/A
51072 Landscaping Services	83,993	0	0	25,000	25,000	N/A
51077 Maint-Infrastructure	0	0	0	0	0	N/A
51083 VSP Premiums	0	220	220	50	(170)	(77.27%)
51205 Advertising/Marketing Svc	4,977	5,000	100	4,000	3,900	3900.00%
51209 Information Tech Svc (non ISD)	120	260	1,500	260	(1,240)	(82.67%)
51211 Legal Services	41,158	42,000	12,000	20,000	8,000	66.67%
51212 Outside Counsel - Legal Advice	5,042	3,000	1,200	2,000	800	66.67%
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51226 Consulting Services	0	0	0	0	0	N/A
51230 Security Services	1,248	1,500	2,600	1,500	(1,100)	(42.31%)
51231 Testing/Analysis	143,588	160,000	135,000	150,000	15,000	11.11%
51241 Outside Printing and Binding	107	500	2,500	500	(2,000)	(80.00%)
51242 Bank Charges	35	50	50	50	0	0.00%
51244 Permits/License/Fees	98,829	90,000	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	637,791	500,000	500,000	500,000	0	0.00%
51402 Rents and Leases - Heavy Eqt	9,000	0	0	5,000	5,000	N/A
51421 Rents and Leases - Bldg/Land	0	0	1,600	0	(1,600)	(100.00%)
51601 Training Services	4,409	150,000	18,000	15,000	(3,000)	(16.67%)
51602 Business Travel/Mileage	0	5,000	10,000	10,000	0	0.00%
51605 Private Car Expense	759	2,000	1,100	1,000	(100)	(9.09%)
51801 Other Services	0	0	10,000	0	(10,000)	(100.00%)
51803 Other Contract Services	1,887,916	13,022,735	5,876,645	11,559,826	5,683,181	96.71%
51902 Telecommunication Usage	49,645	60,000	85,000	75,000	(10,000)	(11.76%)

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
51911 Mail Services	61	150	150	150	0	0.00%
51917 District Operations Chgs	16,028,700	16,832,190	16,649,480	17,491,944	842,464	5.06%
51921 Equipment Usage Charges	952,032	925,000	900,000	925,000	25,000	2.78%
52021 Clothing, Uniforms, Personal	1,908	5,000	13,500	5,000	(8,500)	(62.96%)
52031 Food	208	700	700	700	0	0.00%
52041 Household Supplies Expense	0	300	300	100	(200)	(66.67%)
52042 Janitorial Supplies	0	0	1,000	0	(1,000)	(100.00%)
52061 Fuel/Gas/Oil	45,980	60,000	45,000	50,000	5,000	11.11%
52071 Materials and Supplies Expense	22,204	25,000	30,000	35,000	5,000	16.67%
52072 Chemicals	608,133	700,000	900,000	700,000	(200,000)	(22.22%)
52081 Medical/Laboratory Supplies	19,404	20,000	20,000	20,000	0	0.00%
52091 Memberships/Certifications	47,184	50,000	37,500	37,500	0	0.00%
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	2,046	5,000	12,500	5,000	(7,500)	(60.00%)
52114 Freight/Postage	339	1,000	1,000	1,000	0	0.00%
52115 Books/Media/Subscriptions	450	500	500	500	0	0.00%
52117 Mail and Postage Supplies	6,827	1,500	1,500	1,500	0	0.00%
52141 Minor Equipment/Small Tools	95,049	100,000	150,000	100,000	(50,000)	(33.33%)
52142 Computer Equipment/Accessories	425	10,000	10,000	10,000	0	0.00%
52143 Computer Software/Licensing Fees	9,461	15,000	40,000	40,000	0	0.00%
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
52191 Utilities	443	500	500	500	0	0.00%
52193 Utilities - Electric	3,953,665	3,500,000	3,500,000	3,500,000	0	0.00%
SUBTOTAL	25,646,830	37,915,705	30,543,745	38,676,069	8,132,324	26.63%
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	6,474,820	7,982,000	7,982,000	8,023,000	41,000	0.51%
53403 Loss - Disposed Capital Asset	6,269	0	0	0	0	N/A
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
53610 Other Charges	0	0	0	0	0	N/A
SUBTOTAL	6,484,522	8,036,000	8,036,000	8,077,000	41,000	0.51%
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	0	0	0	0	0	N/A
19840 Work in Progress - Eqt	0	190,000	190,000	0	(190,000)	(100.00%)
19841 Work in Progress - Intang	0	223,720	223,720	30,000	(193,720)	(86.59%)
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	0	413,720	413,720	30,000	(383,720)	(92.75%)

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	26,997,198	13,002,161	15,554,939	10,295,889	(5,259,051)	(33.81%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	26,997,198	13,002,161	15,554,939	10,295,889	(5,259,051)	(33.81%)
APPROP. FOR CONTINGENCIES						
55011 Appropriation for Contingency	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
REMIBURSEMENTS						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
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	59,128,550	59,367,586	54,548,404	57,078,958	2,530,553	4.64%
Adjustments to Reserves/Encumbrances:						
Depreciation	6,478,253	8,036,000		8,077,000		
Donated Asset (Caltrans)	0					
Outstanding Encumbrances - Net Change	(397,748)	0				
Capitalized Interest	0					
Gain/Loss on disposal of fixed assets	6,269					
Unrealized Gain/ Loss (GASB 31)	9,846					
Change in Prepaid Expense	(3,448)					
Change in Prudent Reserve						
Post audit adjustments - Payables	0					
Rounding	0					
ENDING FUND BALANCE	16,027,234	7,447,370		8,085,770		

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

9,676,517
(1,590,747)

Water Transmission System Agency Fund
Major Services & Supplies Expenditure Items

Fund/Department No:

44205

33040100

	Actual FY20-21	Adopted FY21-22	Requested FY22-23	Difference	Percent Change
<u>51061 Maintenance - Equipment</u>	877,139	1,465,000	3,286,389	1,821,389	124.3%
Increase for collector well pump and valve replacements and chlorine and pH projects to build system resiliency.					
<u>51211 Legal Services</u>	41,158	12,000	20,000	8,000	66.7%
Reflects five year average expenditures.					
<u>51231 Testing/Analysis</u>	143,588	135,000	150,000	15,000	11.1%
Increase due to water quality testing to support USGS and Lawrence Berkeley National Laboratory Studies.					
<u>51803 Other Contract Services</u>	1,887,916	5,876,645	11,559,826	5,683,181	96.7%
Increase due to tank maintenance, cathodic protection, SCADA upgrade contracts which make up more than 75% of the total cost.					
<u>51917 District Operations Chgs</u>	16,028,700	16,649,480	17,491,944	842,464	5.1%
Increase is attributable to an increase in labor for 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.					
<u>51921 Equipment Usage Charges</u>	952,032	900,000	925,000	25,000	2.8%
Reflects five year average expenditures.					
<u>52072 Chemicals</u>	608,133	900,000	700,000	(200,000)	-22.2%
Reflects prior year actuals and five-year average expenditures.					
<u>52141 Minor Equipment/Small Tools</u>	95,049	150,000	100,000	(50,000)	-33.3%
Reflects prior year actuals and five-year average expenditures.					
<u>52193 Utilities - Electric</u>	3,953,665	3,500,000	3,500,000	0	0.0%
No increase anticipated over FY2021-2022 budget.					

Water Transmission System Agency Fund

51061	Maintenance - Equipment	AMOUNT
1	Cathodic Protection Maintenance	40,000
2	Channel Drive Leak Repair	44,000
3	Collector 6 Pump 11 Bowl & Column Assembly	560,000
4	Dunbar Meter Replacement	50,600
5	Electrical Supplies and Maintenance Services	400,000
6	Ely Mag Meter	38,890
7	Ely Road Electric Motor	67,200
8	Emergency Inventory Procurement	660,000
9	Main line valve replacements (3)	300,000
10	Mirabel Building Potable Water Upgrade	64,999
11	Mirabel Well Field #1 - Full Rehab	300,000
12	Mirabel Well Field #7 rehab	100,000
13	Pump and Pipeline Supplies and Maintenance Services	150,000
14	Riverfront Park Maintenance - Regional Parks	140,000
15	Riverfront Park Weir Repair - Regional Parks	75,000
16	Santa Rosa Plain Well Monitoring Program (SW Wells)	25,000
17	SBS Valve Replacement	46,200
18	Todd Road Well Maintenance	100,000
19	Valve repair at Washington and Petaluma intersection	71,500
20	Wilfred Valve Replacement	33,000
21	WT Monitoring Well Pressure Transducers	20,000
		<u>\$ 3,286,389</u>

51803	Other Contract Services	AMOUNT
1	Aqueduct Condition Assessments	200,000
2	Aqueduct MH Lids/valve box replacement	30,000
3	As-Needed Dive Services	50,000
4	Asset Management	350,000
5	Cathodic Protection - Maintenance	212,746
6	Cathodic Protection - SR/Cotati	2,771,500
7	Hazardous Materials Management	40,000
8	LHMP Program Planning	125,000
9	Mirabel 12kv Multi-Hazard Resiliency FS	27,500
10	Pipeline Operations Monitoring Program	30,000
11	SCADA Improvements	1,839,600
12	Sonoma Youth Ecology Corps	32,000
13	Tank Recoating Program	5,160,980
14	Watershed Sanitary Survey	75,000
15	Water Transmission System Transient Analysis	20,000
16	WiFi Expansion	10,000
Advocacy		
17	Community Outreach Program	10,000
18	Bay Area	5,500
19	North Coast	35,000
20	Legislative Advocacy - Federal	95,000
21	Legislative Advocacy - State	50,000
22	North Bay Water Regional Outreach Coordination	25,000
Studies		
23	Collector Wells, AQs, Tanks Seismic Mitigation Study	305,000
24	CPT Investigation for Liquefaction Mitigation	245,000
25	Groundwater Banking Feasibility - Pilot Studies	50,000
26	Hydrography Study	15,000
27	Regional Water Supply Resiliency Study	200,000
28	Transmission System Monitoring Master Plan	175,000
29	Watershed Water Quality Monitoring - USGS	200,000
30	Watershed Water Quality Study - LBNL	200,000
31	Wohler MCC & Chlorine Storage Facility Assessment	400,000
32	Miscellaneous Other Agreements	45,000
		<u>(1,470,000)</u>
		<u>\$ 11,559,826</u>

51803 Other Contract Services Project Information**FY22-23****Aqueduct Condition Assessments****200,000**

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.

Asset Management**350,000**

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, 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.

Cathodic Protection - SR/Cotati**2,771,500**

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.

LHMP Program Planning**125,000**

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

Mirabel 12kv Multi-Hazard Resiliency FS**27,500**

Electrical power for the Mirabel pumping facilities is provided from the Wohler sub-station through a 12 kV power line. The overhead power line is susceptible to multiple natural hazards, including seismic, flooding, and fire. This project proposes to mitigate that vulnerability by implementing relocation, undergrounding, and/or retrofit measures. A feasibility study will be prepared to evaluate alternatives and develop a conceptual design and cost estimate for future final design and implementation.

Pipeline Operations Monitoring Program**30,000**

Develop a workplan to implement enhanced pressure monitoring in the water transmission. Assess performance of existing pressure surge protection devices and extent of protection of infrastructure assets. Identify assets subjected to adverse conditions from pressure transients for further study to develop system modifications or operational changes to reduce deleterious impacts to system infrastructure.

SCADA Improvements**1,839,600**

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 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.

51803 Other Contract Services Project Information

FY22-23

Tank Recoating Program

5,160,980

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 20-21 Sonoma Water completed the recoating of two tanks at the Forestville Tank farm. 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 complete 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 complete interior coating removal and replacement, structural repairs to corroded roof rafters, and other ancillary repairs.

Watershed Sanitary Survey

75,000

California requires that all systems that have a source under the influence of surface water complete a surface watershed assessment every five years. Under specific circumstances, the State considers Radial Collector Well 5 is under the influence of surface water. In order to comply with our permit we are required to complete the Watershed Sanitary Survey in accordance with the Division of Drinking Water requirements in FY22-23.

Water Transmission System Transient Analysis

20,000

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.

Studies**Collector Wells, AQs, Tanks Seismic Mitigation Study**

305,000

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

CPT Investigation for Liquefaction Mitigation

245,000

Significant portions of the Water Transmission System have been identified as vulnerable to soil liquefaction based upon readily available regional data sources. Site specific investigations are warranted to verify actual soil conditions and liquefaction risk. Field investigations will be conducted at multiple sites along the water transmission system, utilizing cone penetration testing (CPT). Study results will be summarized in a report that will inform strategic decisions as to how best to implement and prioritize mitigation measures to reduce the risk of damage to the water transmission system.

Groundwater Banking Feasibility - Pilot Studies

50,000

In FY 21/22, Sonoma Water performed evaluation on the feasibility of converting its Sebastopol Rd and Occidental Rd production well sites to ASR wells and submitted a grant application to DWR under the 2021 Urban and Multi-benefit Drought Relief Funding program. In December 2021, DWR notified Sonoma Water that it had been awarded \$6.9M for the Santa Rosa Plain Drought Resiliency project. Funding for this project which will be reimbursed under the DWR grant is budgeted in Common Facilities section of the Water Transmission budget.

Funds expected to be expended in FY 22/23 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.

51803 Other Contract Services Project Information

FY22-23

Hydrography Study

15,000

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

200,000

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 used expended on building the model and beginning to run scenarios focused on drought resiliency. Funds budgeted for FY 21/22 will be expended using the model to complete analysis of scenarios focused on drought scenarios 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.

Transmission System Monitoring Master Plan

175,000

Develop a Water Transmission System Monitoring Master Plan to evaluate the existing water system operations monitoring equipment infrastructure, assess operational and regulatory requirements, and develop guidelines for design, operation and maintenance of all components in the monitoring network.

Watershed Water Quality Monitoring - USGS and LBNL

In collaboration with the USGS and Lawrence Berkeley National Laboratory (LBNL), Sonoma Water implemented a water quality monitoring program, beginning in 2017, to support assessment of the potential impacts to its production facilities from the recent wildfires in Sonoma and Mendocino Counties. The analytical program focuses on assessing the potential impacts related to runoff from areas containing ash, burned soil, burned debris and fire retardant. Collected water samples are analyzed for the following constituents: (1) dissolved organic carbon; (2) anions and cations; (3) trace metals (including lead, chromium, copper, arsenic and mercury); (4) nutrients; (5) anhydrous sugars; and (6) microbial DNA. Sediment samples are also collected at each site for analysis (carbon, nitrogen, mercury and DNA) to support ongoing research specific to the Sonoma Water's riverbank filtration facilities. In 2021/2022, Sonoma Water is collecting water quality samples from up to 8 sites along the mainstem of the Russian River and its tributaries. Protocols that were instituted to monitor impacts from previous fires were revised to monitor potential impacts from the Kincade Fire (Oct 2019) and Walbridge Fire (Aug 2020). . Ash samples collected from recent fires have been analyzed and used for research in column studies. Program continues sampling protocol through the wet season and dry season into FY 2022/2023.

\$400,000

Wohler MCC & Chlorine Storage Facility Assessment

Structural/Electrical assessment of Wohler Motor Control Center & Chlorine Storage Facility. Assessment will be informed the pH and Chlorine System Assessment and Update Project and will include analysis of needed building upgrades if required.

\$400,000

FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Water Management Planning

Fund/Department No:

44210

33041000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	685,080	457,791		329,689		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	5,555	1,680	1,680	1,680	0	0.00%
44050 Unrealized Gains and Losses	(163)	0	0	0	0	N/A
SUBTOTAL	5,392	1,680	1,680	1,680	0	0.00%
INTERGOVERNMENTAL REVENUE						
42619 Town of Windsor	2,878	12	12	478	466	3842.77%
SUBTOTAL	2,878	12	12	478	466	3842.77%
CHARGES FOR SERVICES						
45301 Charges for Services	20	1	0	0	0	N/A
SUBTOTAL	20	1	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	49,489	207	230	9,000	8,770	3813.04%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	49,489	207	230	9,000	8,770	3813.04%
TOTAL REVENUES	57,779	1,900	1,922	11,158	9,236	480.52%
EXPENDITURES						
SERVICES AND SUPPLIES						
51205 Advertising Marketing	0	0	0	0	0	N/A
51211 Legal Services	4,830	0	0	0	0	N/A
51212 Legal Services - External	340	0	0	0	0	N/A
51241 Outside Printing & Binding	0	0	0	0	0	N/A
51601 Training/Conference Expenses	0	0	0	0	0	N/A
51602 Business Travel/Mileage	0	0	0	0	0	N/A
51605 Private Car Expense	0	0	0	0	0	N/A
51803 Other Contract Services	113,105	100,000	50,000	75,000	25,000	50.00%
51917 District Operations Chgs	153,412	30,000	30,000	0	(30,000)	(100.00%)
51921 Equipment Usage Charges	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
SUBTOTAL	271,687	130,000	80,000	75,000	(5,000)	(6.25%)
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 Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	271,687	130,000	80,000	75,000	(5,000)	(6.25%)
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	(13,545)	0		0		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	163	0		0		
Rounding	0	(2)		1		
ENDING FUND BALANCE	457,791	329,689		265,848		

FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Watershed Planning/Restoration

Fund/Department No:

44215

33041100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	10,980,934	12,565,071		7,697,453		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	110,481	40,000	14,400	14,400	0	0.00%
44050 Unrealized Gains and Losses	(4,341)	0	0	0	0	N/A
SUBTOTAL	106,141	40,000	14,400	14,400	0	0.00%
INTERGOVERNMENTAL REVENUE						
42461 Federal Other Funding	83,464	0	75,000	0	(75,000)	(100.00%)
42619 Town of Windsor	367,036	322,618	322,618	79,538	(243,080)	(75.35%)
SUBTOTAL	450,501	322,618	397,618	79,538	(318,080)	(80.00%)
CHARGES FOR SERVICES						
45301 Charges for Services	0	0	0	0	0	N/A
45332 Watershed Plan/Restore Chg	50,549	100,000	40,000	40,000	0	0.00%
Subtotal Charges for Service	50,549	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	400,000	0	(400,000)	(100.00%)
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	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revent	0	0	0	0	0	N/A
SUBTOTAL	0	0	400,000	0	(400,000)	(100.00%)
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	6,308,846	5,503,315	6,114,794	1,496,170	(4,618,624)	(75.53%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	6,308,846	5,503,315	6,114,794	1,496,170	(4,618,624)	(75.53%)
TOTAL REVENUES	6,916,036	5,965,933	6,966,812	1,630,108	(5,336,704)	(76.60%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	1,494	800	0	0	0	N/A
51205 Advertising Marketing	960	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	0	0	0	0	0	N/A
51211 Legal Services	8,942	3,000	0	0	0	N/A
51212 Legal Services - External	2,865	250	0	0	0	N/A
51221 Medical/Laboratory Services	0	0	0	0	0	N/A
51226 Consulting Services	0	0	0	0	0	N/A
51231 Testing/Analysis	81,441	140,000	0	0	0	N/A
51241 Outside Printing and Binding	633	0	0	0	0	N/A
51244 Permits/License/Fees	841	500	0	0	0	N/A
51401 Rents and Leases - Equipment	71,810	0	0	0	0	N/A
51402 Rents and Leases - Heavy Eqt	9,700	0	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	2,782	2,000	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	1,848,287	4,343,405	3,904,405	5,043,920	1,139,515	29.19%

Section Title:

Watershed Planning/Restoration

Fund/Department No:

44215

33041100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
51902 Telecommunication Usage	74	0	0	0	0	N/A
51917 District Operations Chgs	2,062,978	2,641,730	2,359,250	2,746,250	387,000	16.40%
51921 Equipment Usage Charges	48,151	50,000	0	0	0	N/A
52021 Clothing, Uniforms, Personal	2,316	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	0	200	0	0	0	N/A
52063 Vehicle Parts	0	0	0	0	0	N/A
52071 Materials and Supplies Expens	4,013	500	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	0	0	0	0	0	N/A
52114 Freight/Postage	0	0	0	0	0	N/A
52115 Books/Media	719	0	0	0	0	N/A
52117 Mail and Postage Supplies	32	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	282	4,500	0	0	0	N/A
52142 Computer Equipment/Accessori	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	4,148,319	7,188,385	6,263,655	7,790,170	1,526,515	24.37%
OTHER CHARGES						
53104 Other Interest Expense	0	0	0	0	0	N/A
53402 Depreciation Expense	5,615	8,000	8,000	6,000	(2,000)	(25.00%)
53403 Loss - Disposed Capital Asset	26,016	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	31,631	8,000	8,000	6,000	(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	0	0	0	0	0	N/A
19841 Acq-WIP-Intangibles	440,408	3,645,166	1,022,139	1,200,000	177,861	
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	440,408	3,645,166	1,022,139	1,200,000	177,861	0
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	4,620,358	10,841,551	7,293,794	8,996,170	1,702,376	23.34%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	(516,263)	0				
Capital Interest	0	0				
Depreciation	5,615	8,000		6,000		
Change in prepaid expense	0	0				
Gain/loss on disposal of Capital Assets	26,016					
Unrealized Gain/ Loss (GASB 31)	4,341	0				
Audit Adjustment (A/P)	(231,250)	0				
Rounding	0	0				
ENDING FUND BALANCE	12,565,071	7,697,453		337,391		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Recycled Water and Local Supply

Fund/Department No:

44220

33041200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	212,245	256,671		211,639		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	5,433	2,000	480	480	0	0.00%
44050 Unrealized Gains and Losses	(217)	0	0	0	0	N/A
SUBTOTAL	5,216	2,000	480	480	0	0.00%
INTERGOVERNMENTAL REVENUE						
42358 State Other Funding	0	0	0	0	0	N/A
42619 Town of Windsor	2,941	2,269	2,269	1,223	(1,046)	(46.11%)
SUBTOTAL	2,941	2,269	2,269	1,223	(1,046)	(46.11%)
CHARGES FOR SERVICES						
45301 Charges for Services	0	0	0	0	0	N/A
45333 Recycled Water & Local Supply	206	0	0	0	0	N/A
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
SUBTOTAL	206	0	0	0	0	0
MISCELLANEOUS REVENUE						
46022 Capital Grants-State	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	50,538	38,700	43,000	23,000	(20,000)	(46.51%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	50,538	38,700	43,000	23,000	(20,000)	(46.51%)
TOTAL REVENUES	58,901	42,969	45,749	24,703	(21,046)	(46.00%)

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	0	0	0	0	N/A
51902 Telecommunication Usage	0	0	0	0	0	N/A
51915 ISD - Reprographics Services	0	0	0	0	0	N/A
51917 District Operations Chgs	2,243	8,000	15,000	0	(15,000)	(100.00%)
51921 Equipment Usage Charges	0	0	0	0	0	N/A

Section Title:

Recycled Water and Local Supply

Fund/Department No:

44220

33041200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
52031 Food	0	0	0	0	0	N/A
52061 Fuel/Gas	0	0	0	0	0	N/A
52101 Other Supplies	0	0	0	0	0	N/A
52115 Books/Media/Subscriptions	0	0	0	0	0	N/A
52117 Mail and Postage Supplies	0	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	0	0	0	0	0	N/A
52143 Computer Software/Licensing Fees	0	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
52191 Utilities Expense	0	0	0	0	0	N/A
SUBTOTAL	2,243	8,000	15,000	0	(15,000)	(100.00%)
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	80,000	80,000	50,000	(30,000)	(37.50%)
SUBTOTAL	17,738	86,000	86,000	56,000	(30,000)	(34.88%)
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	19,980	94,000	101,000	56,000	(45,000)	(44.55%)
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	2,265	0				
Change in Windsor Reserve	(2,941)	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)	217	0		0		
Rounding	(2)	0				
ENDING FUND BALANCE	256,671	211,639		186,342		

FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Water Conservation

Fund/Department No:

44225

33041300

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	1,142,925	1,748,431		460,593		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	16,603	6,000	3,360	3,360	0	0.00%
44050 Unrealized Gains and Losses	(561)	0	0	0	0	N/A
SUBTOTAL	16,042	6,000	3,360	3,360	0	0.00%
INTERGOVERNMENTAL REVENUE						
42358 State Other Funding	15,661	748,298	592,575	61,186	(531,389)	(89.67%)
42461 Federal Other Funding	0	0	0	935,195	935,195	N/A
42610 Other Governmental Agencies	0	0	0	0	0	N/A
42611 City of Santa Rosa	0	0	0	0	0	N/A
42612 City of Petaluma	0	0	0	0	0	N/A
42613 City of Rohnert Park	0	0	0	0	0	N/A
42615 City of Cotati	0	0	0	0	0	N/A
42618 City of Sonoma	0	0	0	0	0	N/A
42619 Town of Windsor	133,920	108,075	108,075	115,521	7,446	6.89%
42621 North Marin Water District	0	0	0	0	0	N/A
SUBTOTAL	149,580	856,373	700,650	1,111,902	411,252	58.70%
Charges for Services						
45301 Charges for Services	11,093	37,000	37,000	42,000	5,000	13.51%
45316 Water Conservation	23,224	20,000	0	0	0	N/A
SUBTOTAL	34,317	57,000	37,000	42,000	5,000	13.51%
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	380,000	380,000	1,030,000	650,000	171.05%
46040 Miscellaneous Revenue	0	150,000	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46050 Cancelled/State Dated Warrants	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	0	0	0	0	0	N/A
46204 PY Intergovmntl Rev - Other	0	0	0	0	0	N/A
46215 Other Grants	0	0	0	0	0	N/A
SUBTOTAL	0	530,000	380,000	1,030,000	650,000	171.05%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	2,301,858	1,843,583	2,048,425	2,173,043	124,618	6.08%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	2,301,858	1,843,583	2,048,425	2,173,043	124,618	6.08%
TOTAL REVENUES	2,501,797	3,292,956	3,169,435	4,360,305	1,190,870	37.57%
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	3,164	20,000	0	0	0	N/A
51071 Maintenance - Bldg & Improve	0	10,000	0	0	0	N/A
51205 Advertising/Marketing Svc	105,767	230,000	0	0	0	N/A
51209 Information Tech Svc (non ISD)	244	90	0	0	0	N/A

Section Title:

Water Conservation

Fund/Department No:

44225

33041300

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
51211 Legal Services	2,070	2,000	0	0	0	N/A
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51225 Training Services	0	3,200	0	0	0	N/A
51230 Security Services	218	0	0	0	0	N/A
51241 Outside Printing and Binding	18,545	53,500	53,500	73,500	20,000	37.38%
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	412	0	0	0	0	N/A
51601 Training Services	848	0	0	0	0	N/A
51602 Business Travel/Mileage	0	5,000	13,000	13,000	0	0.00%
51605 Private Car Expense	0	150	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	255,934	585,800	585,800	1,231,000	645,200	110.14%
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	1,889,316	1,900,000	1,900,000	1,962,238	62,238	3.28%
51921 Equipment Usage Charges	9,873	15,000	0	0	0	N/A
52021 Clothing, Uniforms	96	400	0	0	0	N/A
52031 Food	341	300	0	0	0	N/A
52042 Janitorial Supplies	0	200	0	0	0	N/A
52061 Fuel/Gas/Oil	0	0	0	0	0	N/A
52071 Materials and Supplies Expense	16,800	225,000	75,000	75,000	0	0.00%
52091 Memberships/Certifications	5,850	12,000	12,000	12,000	0	0.00%
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	609	250	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	0	0	0	0	0	N/A
52117 Mail and Postage Supplies	2,638	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	0	0	0	0	0	N/A
52142 Computer Equipment/Accessories	279	500	0	0	0	N/A
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	52,004	851,158	379,000	433,000	54,000	14.25%
52181 Business Meals/Supplies	0	0	0	0	0	N/A
SUBTOTAL	2,365,008	3,914,548	3,018,300	3,799,738	781,438	25.89%
OTHER CHARGES						
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	0	556,700	556,700	967,686	410,986	73.83%
53502 Community Grants	0	3,100	0	0	0	N/A
SUBTOTAL	0	559,800	556,700	967,686	410,986	73.83%
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	2,365,008	4,474,348	3,575,000	4,767,424	1,192,424	33.35%

Adjustments to Reserves/Encumbrances:

Outstanding Encumbrances - Net Chan	380,201	0	0
Change in Windsor Reserve	87,956	(106,446)	0
Change in Prepaid Expense	0	0	0
Unrealized Gain/ Loss (GASB 31)	561	0	0
Rounding	(1)	0	0

ENDING FUND BALANCE	1,748,431	460,593	53,474
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**Water Transmission Budget
2022-23**

Itemized Detail for Subfunds Consulting/Contractual Services

**Budget
FY22-23**

Water Management Planning

Annual Water Supply and Demand Assessment: Develop scope, cost, and schedule to complete a water supply and demand analysis and preparation and submittal of the required Annual Water Shortage Assessment Report to the Department of Water Resources by July 1 each year. Results of the Annual Assessment are also required to inform the work of Sonoma Water's contractors' Assessment Reports to DWR.	\$ 25,000
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Watershed Planning/Restoration

<u>RRIFR Decision 1610 Change Petition:</u> Russian River Flows: Continued preparation of Environmental Impact Report for Fish Habitat Flows and Water Rights Project 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. Work is occurring internally on the Environmental Impact Report for the Fish Habitat Flows and Water Rights Project. 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 will focus on preparing the recirculated Draft EIR. Work also includes submission of annual Temporary Urgency Change (TUC) Petition 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 anticipated for FY22-23 includes work on the recirculated draft EIR, reviewing public comments, preparation of the Final EIR, and presentation to the Board of Directors to certify, as well as monitoring and reporting related to the annual TUC.	\$ 280,000
<u>RRIFR Estuary Management:</u> Required Annual Biological Opinion Activities: Sonoma Water, in consultation with 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. Compared to FY21-22, the Estuary Management budget has decreased due to completion of invertebrate monitoring requirements. Work anticipated for FY22-23 includes preparation of the annual adaptive management plan, renewing regulatory permits and continuation of required monitoring and studies.	\$ 450,000
<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. The budget has increased \$7,000 due to changes in field data collection and lab analysis. Work anticipated for FY22-23 includes the efforts described above.	\$ 23,000
<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. Compared to FY21-22, the budget for FY22-23 remains the same for this activity. Work anticipated for FY22-23 includes the efforts described above.	\$ 14,000

3/1/2022

Water Transmission Budget

2022-23

Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY22-23
<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 and with offsetting matching revenue from PGE Settlement Funds.	\$ 100,000
	\$ 767,000
<u>Recycled Water and Local Supply</u>	
Funding for Groundwater Management in FY 22/23 for Groundwater Sustainability activities.	\$ 50,000
	\$ 50,000
<u>Water Conservation</u>	
<u>51241-Outside Printing and Binding</u>	
WUE Program materials, Green Business Program brochures, Garden Sense materials, and Russian River Friendly Workshop	\$ 73,500
<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>	
Community Action Challenge: Event provides training and local workshops to promote water use efficiency	\$ 20,000
Eco-Friendly Garden Tour: Video production costs for online, virtual garden tour event	\$ 15,000
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	\$ 15,000
QWEL: Instructors to teach QWEL trainings and Database maintenance contract	\$ 43,000
Sonoma County Fair: Development of new fair exhibit and materials and hardware that are WUE focused for distribution at the Sonoma County fair	\$ 15,000
SMSWP website: Website hosting, maintenance, and development	\$ 14,000
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	\$ 34,000
Windsor Amended Reimbursement Agreement: Funding for Windsor's water conservation program reimbursable expenses	\$ 950,000
	\$ 1,231,000

3/1/2022

Water Transmission Budget

2022-23

Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY22-23
<u>51917-District Operations Chgs</u>	
Salaries, benefits and overhead costs for staff assigned to projects budgeted within the Water Conservation Fund	\$ 1,962,238
<u>52071-Materials and Supplies Expense</u>	
Water Ed Teaching Materials: pH strips, fabric for displays, youth outreach displays, pencil sharpeners, pencils, classroom testing kits, maps, workbooks, rulers, toothbrushes, stickers, etc.	\$ 75,000
<u>52091-Memberships/Certifications</u>	
Irrigation Association Certificate Renewals, Water Education Foundation, and California Water Efficiency Partnership, Alliance for Water Efficiency, etc.	\$ 12,000
<u>52171-Water Conservation Program</u>	
Outdoor Water Use Focused Programs: Qualified Water Efficient Landscaper Training in English and Spanish, Russian River Friendly Workshops, Living Learning Landscapes Demo Gardens, etc.	\$ 38,000
Public Information/Outreach Programs: Media campaign for the Sonoma-Marín Saving Water Partnership including media ad buy, ad development, DIY toolkits	\$ 245,000
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	\$ 30,000
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	\$ 90,000
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	\$ 30,000
	\$ 433,000
Total	\$ 3,799,738

FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:
Fund/Department No:

Santa Rosa Aqueduct Capital Fund	
44230	33045000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	7,881,399	8,399,534		7,955,063		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	62,294	26,400	26,400	26,400	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Los	(2,486)	0	0	0	0	N/A
SUBTOTAL	59,807	26,400	26,400	26,400	0	0.00%
MISCELLANEOUS REVENUES						
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46021 Capital Grants - Federal	9,561	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated V	128	0	0	0	0	N/A
SUBTOTAL	9,689	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	609,535	449,129	449,129	279,159	(169,970)	(37.84%)
47102 Transfers In - btw Govtl	0	0	0	0	0	N/A
SUBTOTAL	609,535	449,129	449,129	279,159	(169,970)	(37.84%)
SPECIAL ITEMS						
48004 Residual Equity Transfe	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	679,032	475,529	475,529	305,559	(169,970)	(35.74%)

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	167,058	920,000	800,000	50,000	(750,000)	(93.75%)
19840 Work in Progress - Eqt	0	0	0	0		
19841 Work in Progress - Intar	0	0	0	0		

Section Title:
Fund/Department No:

Santa Rosa Aqueduct Capital Fund

44230

33045000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
19851 Intangible Assets - Non-	0	0	0	0		
SUBTOTAL	167,058	920,000	800,000	50,000	(750,000)	(93.75%)
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	167,058	920,000	800,000	50,000	(750,000)	(93.75%)

Adjustments to Reserves/Encumbrances:

Repayment of Loan to Storage	0	0	0
Unrealized Gain/ Loss (GASB 31)	3,675	0	0
Capitalized Interest	2,486	0	0
Rounding	0	0	0

ENDING FUND BALANCE	8,399,534	7,955,063	8,210,622
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**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Petaluma Aqueduct Capital Fund

Fund/Department No:

44235

33045100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	8,064,692	8,020,746		7,079,106		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	63,280	33,120	33,120	33,120	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(2,374)	0	0	0	0	N/A
SUBTOTAL	60,906	33,120	33,120	33,120	0	0.00%
MISCELLANEOUS REVENUE						
46021 Capital Gains - Federal	205,639	2,013,215	0	0	0	N/A
SUBTOTAL	205,639	2,013,215	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	393,620	253,676	253,676	155,228	(98,448)	(38.81%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	393,620	253,676	253,676	155,228	(98,448)	(38.81%)
TOTAL REVENUES	660,165	2,300,011	286,796	188,348	(98,448)	(34.33%)
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	880,015	3,238,651	202,411	941,215	738,804	365.00%
19840 Work in Progress - Eqt	0	0	0	0	0	N/A
19841 Work in Progress - Intang	5,419	3,000	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0		
SUBTOTAL	885,434	3,241,651	202,411	941,215	738,804	365.00%

Section Title:
Fund/Department No:

Petaluma Aqueduct Capital Fund

44235

33045100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	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	885,434	3,241,651	202,411	941,215	738,804	365.00%
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	208,886	0		0		
Donated Asset	(29,937)	0		0		
Unrealized Gain/ Loss (GASB 31)	2,374	0		0		
Rounding	0					
ENDING FUND BALANCE	8,020,746	7,079,106		6,326,239		

FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Sonoma Aqueduct Capital Fund

Fund/Department No:

44240

33045200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	605,188	662,993		4,259		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	28,378	6,000	480	480	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(690)	0	0	0	0	N/A
SUBTOTAL	27,688	6,000	480	480	0	0.00%
MISCELLANEOUS REVENUES						
46200 Transfers In - within a Fund	9,463	0	0	0	0	N/A
SUBTOTAL	9,463	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	614,777	446,642	351,642	145,727	(205,914)	(58.56%)
47102 Transfers In - btw Govtl Func	0	0	0	155,000	155,000	N/A
SUBTOTAL	614,777	446,642	351,642	300,727	(50,914)	(14.48%)
SPECIAL ITEMS						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	651,929	452,642	352,122	301,207	(50,914)	(14.46%)
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	3,587,176	1,111,376	50,000	25,000	(25,000)	(50.00%)
19840 Work in Progress - Eqt	0	0	0	0		
19841 Work in Progress - Intang	0	0	0	0		
19851 Intangible Assets - Non-amor	0	0	0	0		
SUBTOTAL	3,587,176	1,111,376	50,000	25,000	(25,000)	(50.00%)
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	3,587,176	1,111,376	50,000	25,000	(25,000)	(50.00%)
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	2,992,362	0		0		
Sale or Purchase of Fixed Asset	0	0		0		
Unrealized Gain/ Loss (GASB 31)	690	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	662,993	4,259		280,466		

FY 2022-23 BUDGET BEGINNING AND ENDING CASH SUMMARY

Section Title:

Storage Facilities

Fund/Department No:

44250

33043000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	815,319	1,078,200		171,387		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	6,871	3,000	0	0	0	N/A
44050 Unrealized Gains & Losses	(256)	0	0	0	0	N/A
SUBTOTAL	6,615	3,000	0	0	0	N/A
<u>MISCELLANEOUS REVENUE</u>						
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
<u>Administrative Control</u>						
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
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	300,000	120,000	120,000	220,000	100,000	83.33%
47102 Transfers In - btw Govtl Funds	0	0	0	900,000	900,000	N/A
SUBTOTAL	300,000	120,000	120,000	1,120,000	1,000,000	833.33%
TOTAL REVENUES	306,615	123,000	120,000	1,120,000	1,000,000	833.33%
EXPENDITURES						
<u>OTHER CHARGES</u>						
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
<u>FIXED ASSETS</u>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	69,077	967,518	25,000	1,100,000	1,075,000	4300.00%
19841 Acq-WIP-Intangibles	4,851	62,295	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	73,928	1,029,813	25,000	1,100,000	1,075,000	4300.00%

Section Title:

Storage Facilities

Fund/Department No:

44250

33043000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
<u>ADMINISTRATIVE CONTROL ACCOUNT</u>						
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
<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	73,928	1,029,813	25,000	1,100,000	1,075,000	4300.00%
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	29,937	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)	256	0		0		
PY Encumbrances	0	0		0		
Rounding	1	0		0		
ENDING FUND BALANCE	1,078,200	171,387		191,387		

FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Common Facilities

Fund/Department No:

44260

33043200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	9,688,314	11,978,801		1,758,487		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	74,160	60,000	4,800	4,800	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(2,599)	0	0	0	0	N/A
SUBTOTAL	71,561	60,000	4,800	4,800	0	0.00%

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	191,641	2,685,502	0	0	0	N/A
46022 Capital Grants - State	0	3,000,000	0	3,900,000	3,900,000	N/A
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	145,894	254,106	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46200 Revenue Appl PY Misc Revenu	0	0	0	0	0	N/A
SUBTOTAL	337,535	5,939,608	0	3,900,000	3,900,000	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	12,031,401	300,000	1,946,689	6,100,000	4,153,311	213.35%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	12,031,401	300,000	1,946,689	6,100,000	4,153,311	213.35%

TOTAL REVENUES	12,440,497	6,299,608	1,951,489	10,004,800	8,053,311	412.68%
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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

19810 Land	0	0	0	0	0	N/A
19812 Acq-CIP-Land	0	0	0	0	0	N/A
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	3,633,012	14,269,922	7,846,689	11,134,466	3,287,777	41.90%
19840 Acq-WIP-Equipment	0	0	0	0	0	N/A

Section Title:

Common Facilities

Fund/Department No:

44260

33043200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
19841 Work in Progress - Intang	0	1,125,000	250,000	0	(250,000)	(100.00%)
19851 Intangible Assets - Non-amort	0	1,125,000	500,000	0	(500,000)	(100.00%)
SUBTOTAL	3,633,012	16,519,922	8,596,689	11,134,466	2,537,777	29.52%
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	3,633,012	16,519,922	8,596,689	11,134,466	2,537,777	29.52%
Adjustments to Reserves/Encumbrances:						
Loan from Petaluma Aqueduct Capital Fund	0	0		0		
Principal payment on Loan from Petaluma /	0	0		0		
Advances	0	0		0		
Outstanding Encumbrances - Net Change	(7,283,616)	0		0		
Capitalized Interest	0	0		0		
Gain/loss on disposal of Capital Assets	0	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	764,020	0		0		
Unrealized Gain/ Loss (GASB 31)	2,599	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	11,978,801	1,758,487		628,821		

FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title: North Marin Water Deposit

Fund/Department No: 44300 33045300

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	69,623	1,127,825		1,127,906		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	7,297	81	81	81	0	0.00%
44050 Unrealized Gains and Losses	(338)	0	0	0	0	N/A
SUBTOTAL	6,959	81	81	81	0	0.00%

Intergovernmental Revenue

42610 Other Governmental Agencies	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	59,504	81	81	81	0	0.00%
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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	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A

TOTAL EXPENDITURES	0	0	0	0	0	N/A
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Adjustments to Reserves/Encumbrances:

Unrealized Gain/ Loss (GASB 31)	338	0
Post Audit Adjustment	998,360	0
Post Audit Adjustment	0	0
Rounding	0	0

ENDING FUND BALANCE	1,127,825	1,127,906	1,127,987
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**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

State Loan Debt Service Fund

Fund/Department No:

44265

33047000

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	\$452,500	\$606,376		\$620,067		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	9,559	1,920	1,920	1,920	0	0.00%
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(431)	0	0	0	0	N/A
SUBTOTAL	9,128	1,920	1,920	1,920	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	1,196,267	1,196,267	1,196,267	1,196,268	1	0.00%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,196,267	1,196,267	1,196,267	1,196,268	1	0.00%
TOTAL REVENUES	1,205,395	1,198,187	1,198,187	1,198,188	1	0.00%
EXPENDITURES						
OTHER CHARGES						
53103 Interest on LT Debt	201,220	177,619	177,619	153,355	(24,264)	(13.66%)
SUBTOTAL	201,220	177,619	177,619	153,355	(24,264)	(13.66%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	120,000	120,000	120,000	0	0.00%
SUBTOTAL	0	120,000	120,000	120,000	0	0.00%
ADMIN. CONTROL ACCOUNT						
59002 Advances	839,012	862,613	862,613	886,878	24,265	2.81%
59003 Advances Clearing	(839,012)	(862,613)	(862,613)	(886,878)	(24,265)	2.81%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	201,220	297,619	297,619	273,355	(24,264)	(8.15%)
Adjustments to Reserves/Encumbrances:						
Principal payments on loan	(850,730)	0				
(Increase) / Decrease in Principal Payable	0	(886,877)		(839,012)		
Advances from Other Govt	431	0		(22,328)		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$606,376	\$620,067		\$683,560		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Reserve Fund

Fund/Department No: 44270 33047100

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	\$0	(\$0)		(\$0)		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
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	(392)	0	0	0	0	N/A
SUBTOTAL	(392)	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	(392)	0	0	0	0	N/A
EXPENDITURES						
<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	0	0	0	0	0	N/A
Adjustments to Reserves/Encumbrances:						
Increase in Reserve	0	0		0		
Unrealized Gain/ Loss (GASB 31)	392	0				
Rounding	0	0				
ENDING FUND BALANCE	(\$0)	(\$0)		(\$0)		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bond - 2012A

Fund/Department No:

44280

33047300

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	\$158,191	\$110,231		\$106,237		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	1,452	96	96	0	(96)	(99.99%)
44003 Other Interest Earnings	120	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(63)	0	0	0	0	N/A
SUBTOTAL	1,509	96	96	0	(96)	(99.99%)
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	310,609	309,610	309,610	308,325	(1,285)	(0.41%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	310,609	309,610	309,610	308,325	(1,285)	(0.41%)
TOTAL REVENUES	312,118	309,706	309,706	308,325	(1,381)	(0.45%)
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
51242 Bank Charges	837	1,000	1,000	1,000	0	0.00%
SUBTOTAL	837	1,000	1,000	1,000	0	0.00%
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	86,697	79,623	79,623	72,300	(7,323)	(9.20%)
53104 Other Interest Expense	(4,781)	5,526	5,526	5,526	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	81,917	85,149	85,149	77,826	(7,323)	(8.60%)
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	100,000	50,000	50,000	70,000	20,000	40.00%
SUBTOTAL	100,000	50,000	50,000	70,000	20,000	40.00%
<u>ADMIN. CONTROL ACCOUNT</u>						
59004 Administrative Control Account	176,871	183,077	183,077	189,283	6,206	3.39%
59005 Admin Control Acct Clearing	(176,871)	(183,077)	(183,077)	(189,283)	(6,206)	3.39%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	182,754	136,149	136,149	148,826	12,677	9.31%
Adjustments to Reserves/Encumbrances:						
Principal payments on bonds	(176,871)	(183,077)		(189,283)		
Restricted cash with trustee (reserve)	0					
Debt Issuance Costs						
(Increase) / Decrease in Bonds Payable	0					
Amortization of bond discount	(10,307)	0		0		
Amortization of deferred amount of refunding	5,526	5,526		5,526		
Changed in Reserved Fund Balance	4,265					
Unrealized Gain/ Loss (GASB 31)	63					
Rounding	0					
ENDING FUND BALANCE	\$110,231	\$106,237		\$81,979		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds - 2012 A

Fund/Department No:

44275

33047200

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEG. FUND BALANCE	\$324,325	\$398,235		\$464,592		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	2,822	2,000	1,440	1,440	0	0.00%
44003 Other Interest Earnings	168	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(119)	0	0	0	0	N/A
SUBTOTAL	2,871	2,000	1,440	1,440	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	435,105	433,705	433,705	431,907	(1,799)	(0.41%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	435,105	433,705	433,705	431,907	(1,799)	(0.41%)
TOTAL REVENUES	437,976	435,705	435,145	433,347	(1,799)	(0.41%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,093	1,500	1,500	1,500	0	0.00%
SUBTOTAL	1,093	1,500	1,500	1,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	121,399	111,493	111,493	101,239	(10,254)	(9.20%)
53104 Other Interest Expense	(6,645)	7,787	7,787	7,787	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	114,754	119,280	119,280	109,026	(10,254)	(8.60%)
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	247,665	256,355	256,355	265,045	8,690	3.39%
59005 Admin Control Acct Clearing	(247,665)	(256,355)	(256,355)	(265,045)	(8,690)	3.39%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	115,847	120,780	120,780	110,526	(10,254)	(8.49%)
Adjustments to Reserves/Encumbrances:						
Principal payments on bonds	(247,665)	(256,355)		(265,045)		
(Increase) / Decrease in Bonds Payable	0	0		0		
Restricted cash with trustee (reserve)	5,972	0		0		
Amortization of bond discount	0	0		0		
Amortization of bond premium	(14,432)	0		(14,432)		
Amortization of deferred amount of refunding	7,787	7,787		7,787		
Unrealized Gain/ Loss (GASB 31)	119	0		0		
Rounding	0			0		
ENDING FUND BALANCE	\$398,235	\$464,592		\$515,723		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2012

Fund/Department No:

44285

33047400

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	\$191,180	\$134,670		\$78,460		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	1,672	960	960	960	0	0.00%
44003 Other Interest Earnings	98	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(70)	0	0	0	0	N/A
SUBTOTAL	1,701	960	960	960	0	0.00%
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	255,705	254,884	254,884	253,827	(1,057)	(0.41%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	255,705	254,884	254,884	253,827	(1,057)	(0.41%)
TOTAL REVENUES	257,406	255,844	255,844	254,787	(1,057)	(0.41%)
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
51242 Bank Charges	726	1,000	1,000	1,000	0	0.00%
SUBTOTAL	726	1,000	1,000	1,000	0	0.00%
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	71,303	65,485	65,485	59,462	(6,023)	(9.20%)
53104 Other Interest Expense	(3,892)	4,585	4,585	4,585	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	67,410	70,070	70,070	64,047	(6,023)	(8.60%)
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	100,000	95,000	0	0	0	N/A
SUBTOTAL	100,000	95,000	0	0	0	N/A
<u>ADMIN. CONTROL ACCOUNT</u>						
59004 Administrative Control Account	145,464	150,568	150,568	155,672	5,104	3.39%
59005 Admin Control Acct Clearing	(145,464)	(150,568)	(150,568)	(155,672)	(5,104)	3.39%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	168,136	166,070	71,070	65,047	(6,023)	(8.47%)
Adjustments to Reserves/Encumbrances:						
(Increase)/Decrease in Bonds Payable						
Principal Payments on Bonds	(145,464)	(150,568)		(155,672)		
Amortization of bond discount	(8,477)	0		0		
Change in Reserved Fund Balance	3,507	0		0		
Capitalized Interest	0	0		0		
Amortization of deferred amount of refunc	4,584	4,584		4,584		
Unrealized Gain/ Loss (GASB 31)	70	0		0		
Rounding	1	0		0		
ENDING FUND BALANCE	\$134,670	\$78,460		\$117,112		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bonds 2015

Fund/Department No:

44290

33047500

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	\$328,549	\$212,358		\$209,984		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	2,857	432	432	432	0	0.00%
44003 Other Interest Earnings	1,070	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(123)	0	0	0	0	N/A
SUBTOTAL	3,805	432	432	432	0	0.00%
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	486,527	476,381	476,381	480,268	3,887	0.82%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	486,527	476,381	476,381	480,268	3,887	0.82%
TOTAL REVENUES	490,332	476,813	476,813	480,700	3,887	0.82%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,116	1,500	1,500	1,500	0	0.00%
SUBTOTAL	1,116	1,500	1,500	1,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	180,766	169,141	169,141	157,214	(11,927)	(7.05%)
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	169,298	174,199	174,199	162,272	(11,927)	(6.85%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	200,000	70,000	70,000	150,000	80,000	114.29%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	200,000	70,000	70,000	150,000	80,000	114.29%
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	228,941	238,545	238,545	253,852	15,307	6.42%
59005 Admin Control Acct Clearing	(228,941)	(238,545)	(238,545)	(253,852)	(15,307)	6.42%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	370,413	245,699	245,699	313,772	68,073	27.71%
Adjustments to Reserves/Encumbrances:						
Change in Principal due to Bond Reallocation	0					
Change in Bond Premium due to Bond Reallo	0					
Capitalized Interest	0					
Loss on Refunding of Debt	5,058	5,058		5,058		
Principal Payment	(228,941)	(238,545)		(253,852)		
Special Fund Stmt's!B449	0	0		0		
Amortization of Bond Premium	(16,526)	0		0		
Change in Reserved Fund Balance	4,178					
Unrealized Gain/ Loss (GASB 31)	123					
Rounding	(1)	(0)				
ENDING FUND BALANCE	\$212,358	\$209,984		\$128,118		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2015

Fund/Department No:

44295

33047600

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEG. FUND BALANCE	\$295,059	\$482,808		\$469,441		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	2,890	2,400	2,400	2,400	0	0.00%
44003 Other Interest Earnings	1,031	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(144)	0	0	0	0	N/A
SUBTOTAL	3,777	2,400	2,400	2,400	0	0.00%
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	1,237,202	1,224,505	1,224,505	1,230,285	5,780	0.47%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,237,202	1,224,505	1,224,505	1,230,285	5,780	0.47%
TOTAL REVENUES	1,240,979	1,226,905	1,226,905	1,232,685	5,780	0.47%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	2,015	2,500	2,500	2,500	0	0.00%
SUBTOTAL	2,015	2,500	2,500	2,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	510,827	483,190	483,190	454,461	(28,729)	(5.95%)
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	485,819	487,706	487,706	458,977	(28,729)	(5.89%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	180,000	180,000	180,000	0	0.00%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	180,000	180,000	180,000	0	0.00%
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	549,934	574,581	574,581	608,336	33,755	5.87%
59005 Admin Control Acct Clearing	(549,934)	(574,581)	(574,581)	(608,336)	(33,755)	5.87%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	487,834	670,206	670,206	641,477	(28,729)	(4.29%)
Adjustments to Reserves/Encumbrances:						
Principal Payment	(549,934)	(574,581)		(608,336)		
Change in Principal due to Bond Reallocation	0	0		0		
Change in Bond Premium due to Bond Refunding	0	0		0		
Revenue Bonds Pay - Change in Current	0	0		0		
Amortization of Bond Premium	(29,523)	0		0		
Capitalized Interest	0					
Change in Reserved Fund Balance	9,403					
Loss on Refunding Debt	4,515	4,515		4,515		
Unrealized Gain/ Loss (GASB 31)	144	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	\$482,808	\$469,441		\$456,828		

3/1/2022

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2015

Fund/Department No:

44305

33047700

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	\$90,469	\$96,882		\$102,197		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	719	384	384	384	0	0.00%
44003 Other Interest Earnings	6	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(29)	0	0	0	0	N/A
SUBTOTAL	696	384	384	384	0	0.00%
<u>MISCELLANEOUS REVENUES</u>						
46200 PY Revenue - Miscellaneous	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	38,073	37,809	37,809	37,917	108	0.29%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	38,073	37,809	37,809	37,917	108	0.29%
TOTAL REVENUES	38,769	38,193	38,193	38,301	108	0.28%
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
51242 Bank Charges	267	500	500	500	0	0.00%
SUBTOTAL	267	500	500	500	0	0.00%
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	16,307	15,502	15,502	14,658	(844)	(5.44%)
53104 Other Interest Expense	(689)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	15,618	15,502	15,502	14,658	(844)	(5.44%)
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	0	0	0	65,000	65,000	N/A
SUBTOTAL	0	0	0	65,000	65,000	N/A
<u>ADMIN. CONTROL ACCOUNT</u>						
59004 Administrative Control Account	16,125	16,875	16,875	17,813	938	5.56%
59005 Admin Control Acct Clearing	(16,125)	(16,875)	(16,875)	(17,813)	(938)	5.56%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	15,885	16,002	16,002	80,158	64,156	400.92%
Adjustments to Reserves/Encumbrances:						
Change in Principal due to Bond Reallocation	0	0		0		
Change in Bond Premium due to Bond Reallc	0	0		0		
Accrual of Principal Payment - Revenue Bonc	(16,125)	(16,875)		(17,813)		
Principal Payment	0	0		0		
Amortization of Bond Premium	(689)	0		0		
Unrealized Gain/ Loss (GASB 31)	29	0		0		
Change in Reserved Fund Balance	313					
Rounding	0	0		0		
ENDING FUND BALANCE	\$96,882	\$102,197		\$42,527		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2019

Fund/Department No:

44310

33047800

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEG. FUND BALANCE	\$7,561	\$102,593		\$191,060		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	1,244	480	480	480	0	0.00%
44003 Other Interest Earnings	880	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(31)	0	0	0	0	N/A
SUBTOTAL	2,093	480	480	480	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	677,117	674,569	674,569	676,780	2,210	0.33%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	677,117	674,569	674,569	676,780	2,210	0.33%
TOTAL REVENUES	679,210	675,049	675,049	677,260	2,210	0.33%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	2,691	2,000	2,000	3,000	1,000	50.00%
SUBTOTAL	2,691	2,000	2,000	3,000	1,000	50.00%
OTHER CHARGES						
53103 Interest on LT Debt	321,228	307,774	307,774	293,933	(13,841)	(4.50%)
53104 Other Interest Expense	(54,724)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	266,504	307,774	307,774	293,933	(13,841)	(4.50%)
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
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	265,736	276,808	276,808	291,571	14,763	5.33%
59005 Admin Control Acct Clearing	(265,736)	(276,808)	(276,808)	(291,571)	(14,763)	5.33%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	269,195	309,774	309,774	296,933	(12,841)	(4.15%)
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	(265,736)	(276,808)		(291,571)		
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)	31	0		0		
Changed in Reserved Fund Balance	5,446	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	\$102,593	\$191,060		\$279,816		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2019

Fund/Department No:

44315

33047900

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	\$395,101	\$291,998		\$123,734		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	3,501	480	480	480	0	0.00%
44003 Other Interest Earnings	312	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(147)	0	0	0	0	N/A
SUBTOTAL	3,666	480	480	480	0	0.00%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	300,528	239,626	239,626	240,577	951	0.40%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	300,528	239,626	239,626	240,577	951	0.40%
TOTAL REVENUES	304,194	240,106	240,106	241,057	951	0.40%
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,162	1,000	1,000	1,500	500	50.00%
SUBTOTAL	1,162	1,000	1,000	1,500	500	50.00%
OTHER CHARGES						
53103 Interest on LT Debt	113,949	109,177	109,177	104,267	(4,910)	(4.50%)
53104 Other Interest Expense	(19,412)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	94,537	109,177	109,177	104,267	(4,910)	(4.50%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	200,000	200,000	200,000	90,000	(110,000)	(55.00%)
SUBTOTAL	200,000	200,000	200,000	90,000	(110,000)	(55.00%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	94,264	98,193	98,193	103,430	5,237	5.33%
59005 Admin Control Acct Clearing	(94,264)	(98,193)	(98,193)	(103,430)	(5,237)	5.33%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	295,699	310,177	310,177	195,767	(114,410)	(36.89%)
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 Bonds	(94,264)	(98,193)		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)	147	0		0		
Change in Reserved Fund Balance	1,932	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	\$291,998	\$123,734		\$169,023		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bonds 2022

Fund/Department No:

44325

TBD

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEG. FUND BALANCE	\$0	\$0		\$979,500		
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	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	0	0	77,457	77,457	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	77,457	77,457	N/A
TOTAL REVENUES	0	0	0	77,457	77,457	N/A
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	0	500	0	500	500	N/A
SUBTOTAL	0	500	0	500	500	N/A
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	29,724	29,724	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	20,000	0	0	0	N/A
SUBTOTAL	0	20,000	0	29,724	29,724	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	900,000	900,000	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	900,000	900,000	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	0	0	0	37,131	37,131	N/A
59005 Admin Control Acct Clearing	0	0	0	(37,131)	(37,131)	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	20,500	0	930,224	930,224	N/A
Adjustments to Reserves/Encumbrances:						
CBAs - Included in Est. Current Yr Expenses	0	0		0		
Proceeds from Bond Issuance	0	1,000,001		0		
Change in Principal due to Bond Reallocation	0	0		0		
Change in Bond Premium due to Bond Reallocation	0	0		0		
Capitalized Interest	0	0		0		
Proceeds from Taxable Bond Issuance	0	0		0		
Loss on Refunding of Debt	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Accrual of Principal Payment - Revenue Bonds	0	0		(37,131)		
Revenue Bonds Pay - Change in Current Balance	0	0		0		
Amortization of Bond Premium	0	0		0		
Post Audit Adjustment - Closing COI funds	0	0		0		
Change in Reserved Fund Balance	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$0	\$979,500		\$89,604		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2022

Fund/Department No:

44320

TBD

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEG. FUND BALANCE	\$0	\$0		\$13,716,000		
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	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	0	0	0	1,080,953	1,080,953	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	1,080,953	1,080,953	N/A
TOTAL REVENUES	0	0	0	1,080,953	1,080,953	N/A
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	0	4,000	0	4,000	4,000	N/A
SUBTOTAL	0	4,000	0	4,000	4,000	N/A
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	416,130	416,130	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	280,000	0	0	0	N/A
SUBTOTAL	0	280,000	0	416,130	416,130	N/A
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	5,800,000	5,800,000	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	5,800,000	5,800,000	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	0	0	0	519,829	519,829	N/A
59005 Admin Control Acct Clearing	0	0	0	(519,829)	(519,829)	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	284,000	0	6,220,130	6,220,130	N/A
Adjustments to Reserves/Encumbrances:						
CBAs - Included in Est. Current Yr Expenses	0	0		0		
Proceeds Bond Issuance	0	14,000,000		0		
Deposit to Cost of Issuance Fund	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	0	0		(519,829)		
Revenue Bonds Pay - Change in Current Ba	0	0		0		
Amortization of Bond Premium	0	0		0		
Change in Reserved Fund Balance	0	0		0		
Bond Premium - Issuance of Revenue Bond	0	0		0		
Loss on Refunding of Debt	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Changed in Reserved Fund Balance	0	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$0	\$13,716,000		\$8,056,993		

**FY 2022-23 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2022

Fund/Department No:

44330

TBD

Account Title	Actual 2020-2021	Estimated 2021-2022	Adopted 2021-2022	Requested 2022-23	Difference	Percent Change
BEGINNING FUND BALANCE	\$0	\$0		\$0		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
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	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
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	N/A
TOTAL REVENUES	0	0	0	0	0	N/A
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
51242 Bank Charges	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
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
<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	0	0	0	0	0	N/A
Adjustments to Reserves/Encumbrances:						
CBA's - Included in Est. Current Yr Expense	0	0		0		
Proceeds Bond Issuance	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Accrual of Principal Payment - Revenue Bonds	0	0		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	0	0		0		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Change in Reserved Fund Balance	0	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$0	\$0		\$0		

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY22-23

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	265,045			189,283	155,672
INTEREST	101,239			72,300	59,462
OTHER INTEREST - DEFERRED REFUNDING CHARGE	7,787			5,526	4,585
FISCAL AGENT FEES	1,500			1,000	1,000
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	375,571	0		268,109	220,719
Bond Reserve	56,336	0		40,216	33,108
Total Individual Bond Debt Service	431,907	0		308,325	253,827
2015A Revenue Bond	44295			44290	44305
PRINCIPAL	608,336			253,852	17,813
INTEREST	454,461			157,214	14,658
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	1,069,813			417,624	32,971
Bond Reserve	160,472			62,644	4,946
Total Individual Bond Debt Service	1,230,285			480,268	37,917
2019A Revenue Bond	44310				44315
PRINCIPAL	291,571				103,430
INTEREST	293,933				104,267
FISCAL AGENT FEES	3,000				1,500
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	588,504			0	209,197
Bond Reserve	88,276			0	31,380
Total Individual Bond Debt Service	676,780			0	240,577
2022A Revenue Bond	44320			44325	44330
PRINCIPAL	519,829			37,131	0
INTEREST	416,130			29,724	0
FISCAL AGENT FEES	4,000			500	0
DEBT ISSUANCE COSTS					0
Total Individual Bond Payments	939,959			67,354	0
Bond Reserve	140,994			10,103	0
Total Individual Bond Debt Service	1,080,953			77,457	0
2013 Capital Fund Loan Requirement					
PRINCIPAL	0				
INTEREST	0				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
DISCOUNT/BONDS	0				
Total Individual Loan Payments	0				
Loan Reserve	0				
Total Individual Loan Debt Service	0				
2013 Santa Rosa AQ Capital Fund Loan					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
DEBT ISSUANCE COSTS					
DISCOUNT/BONDS					
Total Individual Loan Payments					
Loan Reserve					
Total Individual Loan Debt Service	0			0	0
2013 Petaluma AQ Capital Fund Loan					
PRINCIPAL					
INTEREST					
FISCAL AGENT FEES					
DEBT ISSUANCE COSTS					
DISCOUNT/BONDS					
Total Individual Loan Payments					
Loan Reserve					
Total Individual Loan Debt Service	0			0	

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY22-23

A. ANNUAL DEBT SERVICE REQUIREMENTS

	Common Facilities	O&M Fund	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
1. 09/10 Financing Exp for Common Fac incl above until index established	Mirabel Generators				
PRINCIPAL	0				
INTEREST	0				
FISCAL AGENT FEES	0				
DEBT ISSUANCE COSTS	0				
Total Individual Bond Payments	0	0	0	0	0
Reserve	0	0	0	0	0
Total Individual Financing Debt Service	0	0	0	0	0
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	\$4,616,192	\$0	\$0	\$866,050	\$532,320
LESS REV. FROM N. MARIN REV. BOND CHARGES	488,069				
REMAINING REVENUE REQUIREMENT	\$4,128,123	\$0	\$0	\$866,050	\$532,320

B. CALCULATIONS OF WATER RATES FOR FY22-23

	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	\$4,128,123.02	\$0	\$0	\$866,050	\$532,320
APPLICABLE BASE WATER DELIVERIES IN A.F.	32,619.16	45,671.5	45,671.5	32,619.16	4,036.8
CHARGES PER ACRE-FEET	\$126.56	\$0.00	\$0.00	\$26.55	\$131.87

C. CALCULATIONS OF NORTH MARIN REVENUE BONDS CHARGE

REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE (<i>Remaining Facilities per RA 4.3a2</i>)	\$3,939,412
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (11.2/90.4))	488,069
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	6,455
NORTH MARIN REVENUE BONDS CHARGE	75.61
REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE (<i>Additional Facilities per RA 4.3b9</i>)	-
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (19.9/146.2))	-
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	6,455
NORTH MARIN REVENUE BONDS CHARGE	-

FY 2022-23 BUDGET

<u>Common Facilities OT - in 47101 From</u>	-	
Water Transmission (discretionary)	-	
Water Transmission (Charges)	-	
North Marin	-	O&M Rate Computation
2012 Bond Fund	-	Revenue Requirement - Transfers Out:
2015 Bond Fund	180,000	
2019 Bond Fund	-	
State Loan Debt Service	<u>120,000</u>	
	300,000	10,295,889

<u>Agency Fund (Charges) OT - Out To:</u>		<u>Agency Fund (Charges) OT - Out To:</u>	
<u>AQ Capital Funds</u>		<u>Summary</u>	
Santa Rosa Aq. Capital Fund	279,159	AQ Capital Funds	580,114
Petaluma Aq. Capital Fund	155,228	Debt Service Funds	6,014,562
Sonoma Aq. Capital Fund	<u>145,727</u>	WT Subfunds	<u>3,701,213</u>
	580,114		<u>10,295,889</u>
Debt Service Funds			

Debt Service Funds				10,295,889
Sonoma Rev Bond 2012 Fund	253,827			
Sonoma Rev Bond 2015 Fund	37,917	Capital Funds and North Marin		0
Sonoma Rev Bond 2019 Fund	240,577			
Sonoma Rev Bond 2022 Fund	0			
Storage Rev Bond 2012 Fund	308,325		Total	10,295,889

Storage Rev Bond 2015 Fund	480,268
Storage Rev Bond 2022 Fund	77,457
Common Rev Bond 2012 Fund	431,907
Common Rev Bond 2015 Fund	1,230,285
Common Rev Bond 2019 Fund	676,780
Common Rev Bond 2022 Fund	1,080,953
State Loan Debt Service	1,196,268
State Loan Reserve	0
Capital Lease Financing	0
	<u>6,014,562</u>

Capital Funds and North Marin	
Pipeline Facilities	0
Storage Facilities	0
Common Facilities	0
North Marin	0
	0

WT Subfunds	
Water Management Planning	9,000
Watershed Planning/Restoration	1,496,170
Recycled Water & Local Supply	23,000
Water Conservation	2,173,043
	<u>3,701,213</u>

Total	<u>10.295.889</u>
-------	-------------------



Sonoma Water

Clean. Reliable. Essential. Every day.

FY 2022-2023 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

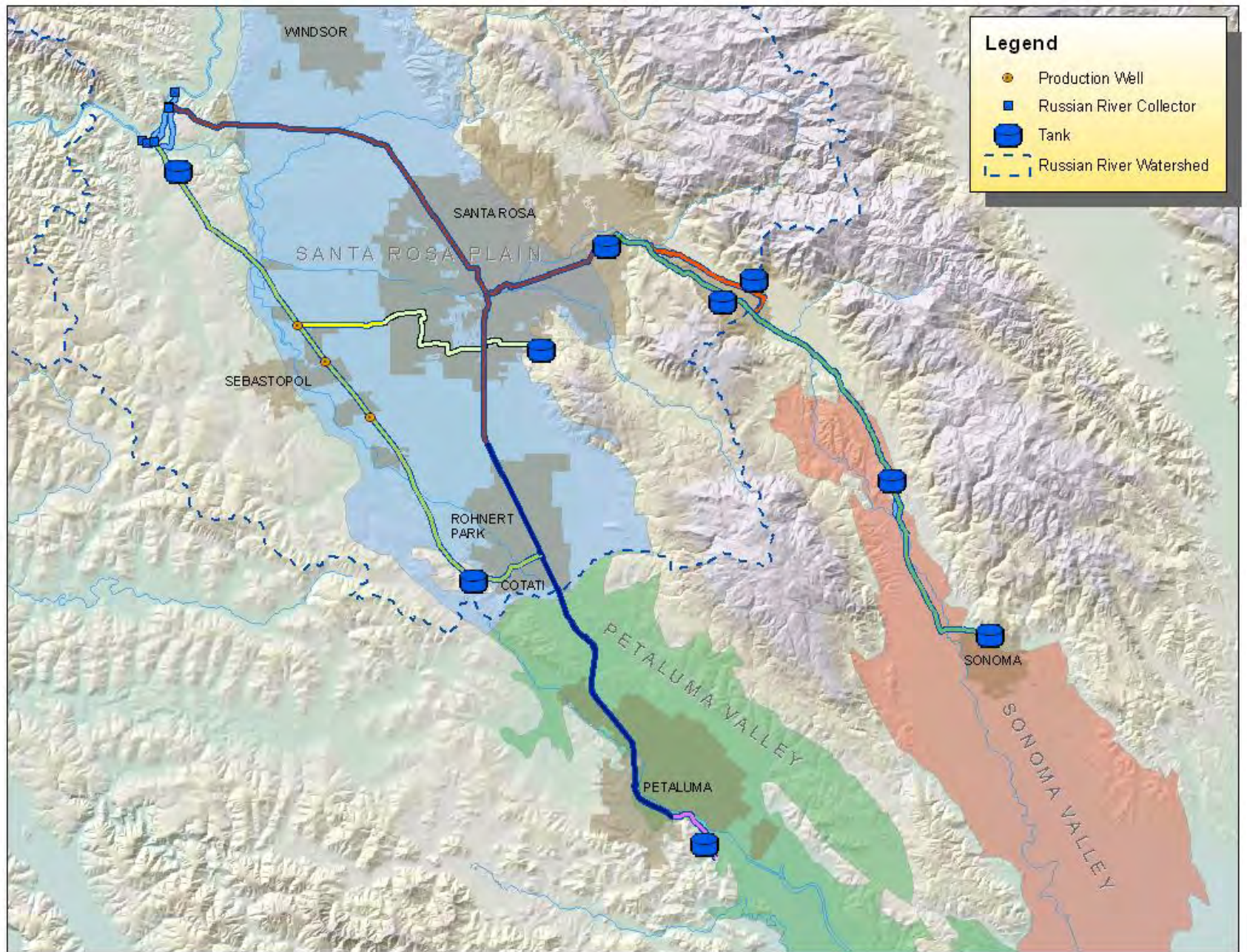


    sonomawater.org



Sonoma Water's Enterprises

- Water Supply
- Water Transmission
- Flood Protection
- Wastewater Treatment and Reuse
- Energy and Sustainability



Transparent and Collaborative Process

Restructured Agreement requires our Board of Directors to adopt rates by the end of April each year



- **Review by Technical Advisory Budget Subcommittee – January and February**



- **Technical Advisory Committee Vote on Budget and Rates on March 7**



- **Presentations to City and Town Councils, and Water District Boards in March**



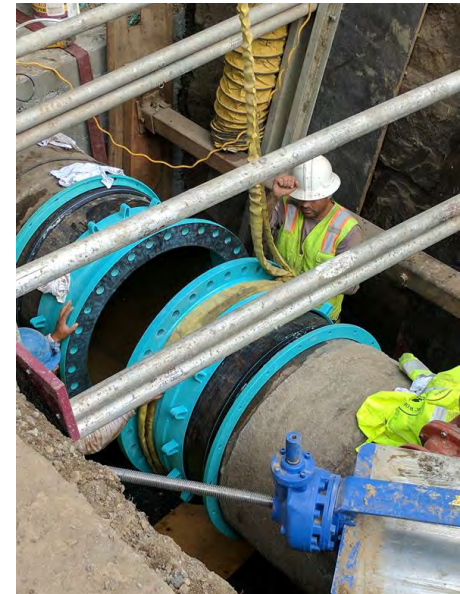
- **Water Advisory Committee Vote on Budget and Rates on April 4**
- **Adoption by Sonoma Water's Board of Directors on April 19.**



Sonoma
Water

Water Transmission System Activities and Funds

- Operations and Maintenance
- Subfunds:
 - Water Management
 - Watershed Planning and Restoration
 - Recycled Water and Local Supply
 - Water Conservation
- Capital Funds:
 - Santa Rosa, Petaluma, and Sonoma Aqueducts
 - Storage Facilities
 - Common Facilities
- Debt Service Funds
 - State Revolving Loan Fund
 - 2012, 2015, 2019, and 2022 Revenue Bonds



Sonoma
Water



Hazard Mitigation Projects

Ely Booster Pump Station Flood Mitigation	Award in FY21-22; Offsetting revenue
Mark West Creek Crossing	FY21/22 award; construction summer 22; Offsetting Revenue
Russian River Crossing	Awarded FY20/21; construction commenced FY21/22, completion 22/23; Offsetting Revenue
Santa Rosa Creek Crossing	Funding de-obligated; re-evaluating project design and schedule
Seismic Retrofit of Storage Tanks	Preliminary design; Tied to Tank Recoat schedule
Bennett Valley Fault Crossing	Preliminary design/Consultant selection 22/23

FY22-23 Budget: \$3.2M

Other Capital Projects

FY22-23 Budget: \$10.1M

Kawana-Ralphine SBS Pipeline

Sebastopol/Occidental Wells - Rehab & ASR

Todd Road Well -
Recirculation/Automation/Disposal

Warm Springs Dam Hydroturbine Retrofit



Total FY22-23 Capital Budget including Hazard Mitigation
Projects: \$13.3M

Operations and Maintenance

Projects

Cathodic Protection - Santa Rosa Aqueduct and Russian River-Cotati Intertie

Collector Well & Well Field Rehabilitations

Emergency Inventory Procurement

Tank Recoats & Tank Maintenance Program

Studies

Regional Water Supply Resiliency Study

Collector Well, AQs, and Tank Seismic Mitigation Study

Watershed and Riverbank Filtration Water Quality Studies

Wohler & Chlorine Storage Facility Assessment



Biological Opinion Compliance and Water Conservation

Dry Creek Habitat Enhancement Phase IV:
Anticipate Corps will Construct Summer 2022



FY22-23 Biological Opinion
Compliance, Water Supply
Planning, Water
Conservation
\$13.9M

**It's a dry year.
Save water with us.**

**Save water now by turning off
your irrigation system.**

Plants need much less water during
the winter. Manually water only when
the soil below the surface is dry.

For more water saving tips visit
SavingWaterPartnership.org



Expenditures Compared to FY 21-22

	FY21-22	FY22-23	
	Budget (in Millions)	Budget (in Millions)	Change (in Millions)
Operations and Maintenance	\$30.54	\$38.68	\$8.14
Capital Projects	\$9.67	\$13.25	\$3.58
BO Compliance, Water Supply Planning, Water Conservation	\$11.05	\$13.89	\$2.84
Debt Service	\$4.85	\$6.01	\$1.16
Totals	\$56.11	\$71.83	\$15.72

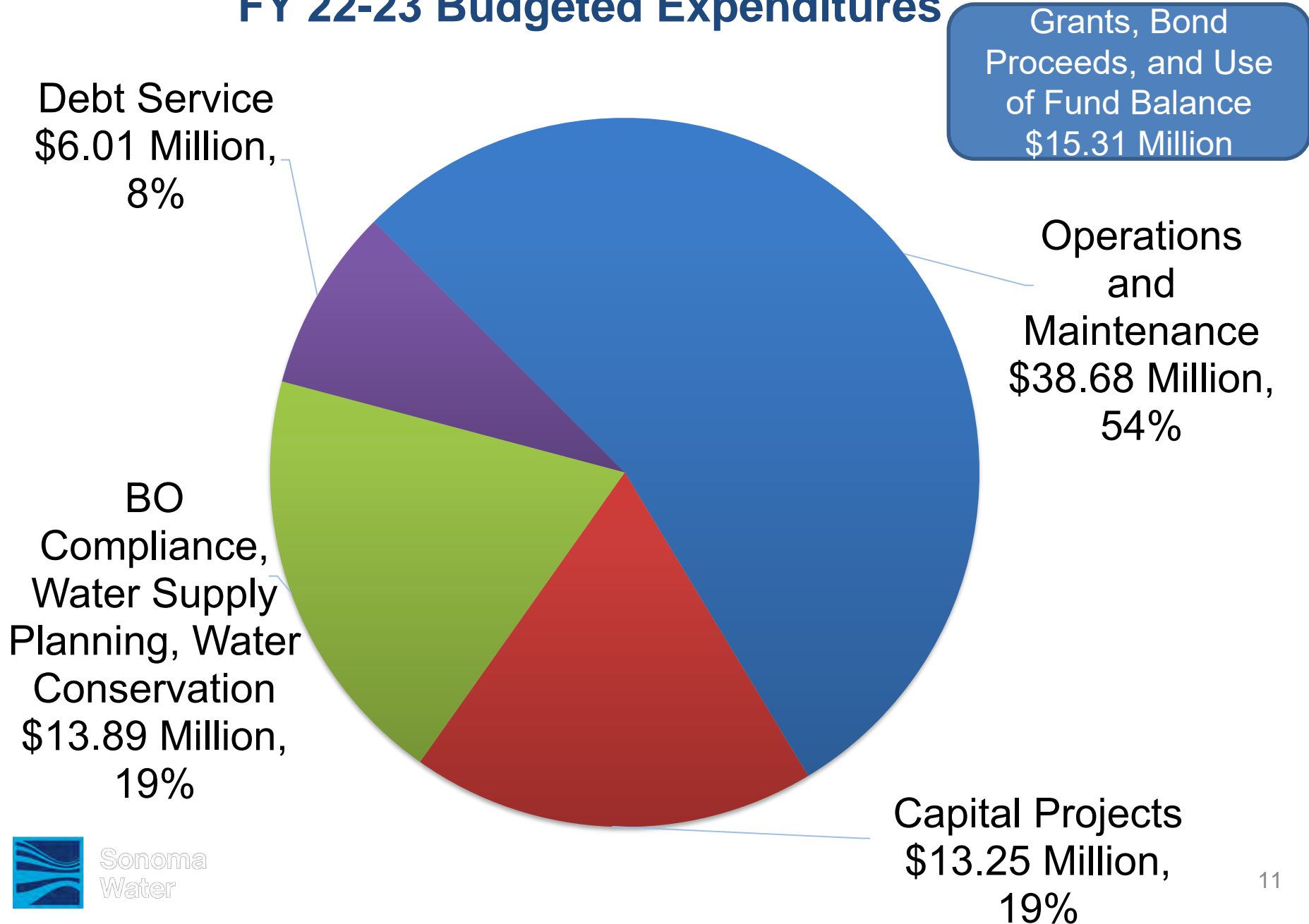
Grants, Use of Fund Balance,
and Bond Proceeds

\$8.49

\$15.31

\$6.82

FY 22-23 Budgeted Expenditures



Rate Setting Calculation (EXAMPLE)

$$\frac{\$48,539,000}{45,748 \text{ AF}} = \$1,061 / \text{Acre Foot}$$

Water Sold = Lesser of:

45,748 AF

or

45,788 AF



Proposed Rates for FY 22-23

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	45,748		
O&M	\$816.03	\$816.03	\$816.03
Water Management Planning	\$0.20	\$0.20	\$0.20
Watershed Planning & Restoration	\$32.70	\$32.70	\$32.70
Recycled Water and Local Supply	\$0.50	\$0.50	\$0.50
Water Conservation	\$47.50	\$47.50	\$47.50
Total O&M	\$896.93	\$896.93	\$896.93
Storage & Common Bond/Loan Charges	\$153.11	\$153.11	\$153.11
Sonoma Aqueduct Bond/Loan Charge			\$131.87
<i>Prime Contractors</i>	\$1,050.04	\$1,050.04	\$1,181.90
<u>Discretionary Charges</u>			
Capital Charges - to build fund balance for future projects	\$11.00	\$12.00	\$38.00
<i>Prime Contractors</i>	\$11.00	\$12.00	\$38.00
<i>Total Prime Contractors</i>	\$1,061.04	\$1,062.04	\$1,219.90
Total Overall Increase:	6.06%	6.16%	6.52%

Proposed North Marin Rates for FY 22-23

Charges	FY22-23	FY21-22
Deliveries (Acre-Feet)	6,455	
O&M Charge	896.93	863.95
North Marin Bond & Loan Charge	75.61	56.82
Russian River Conservation Charge	115.36	115.94
Russian River Projects Charge	13.92	10.63
<i>Total North Marin Water District Rate</i>	1,101.82	1,047.34
Total Overall Increase:	5.20%	
Total Estimated Annual Charge:	\$7,112,742	



Sonoma
Water

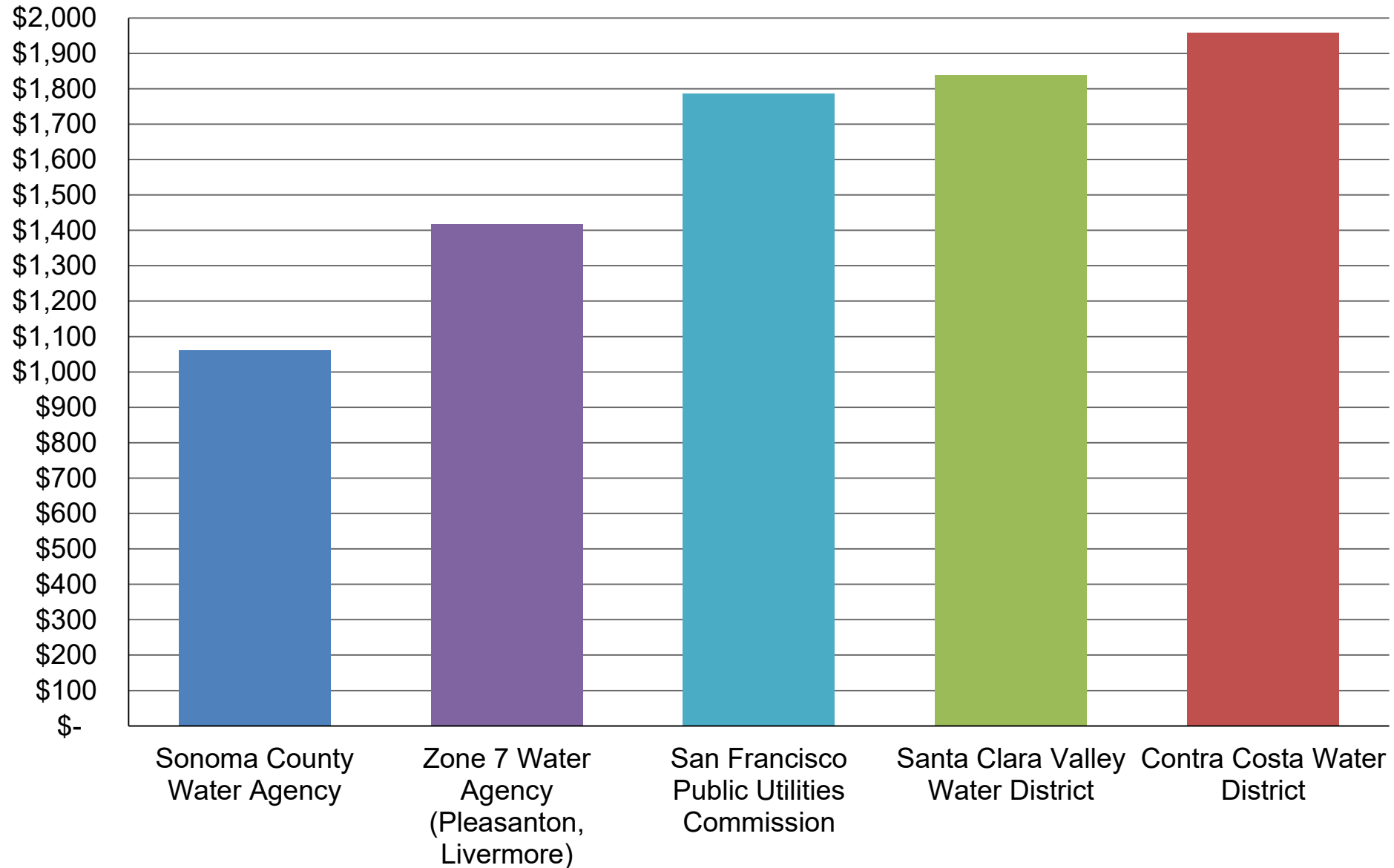


Budget and Rate Reduction Measures

- Reduced rate increase from 7.79% to 5.20% for NMWD
- Reduced rate increase from 9.99% to 6.84% for Santa Rosa and Petaluma Aqueducts and from 9.18% to 6.52% for Sonoma Aqueduct
- Santa Rosa AQ and Petaluma AQ Water Contractors elected to lower their Aqueduct Capital Charges to further reduce rate increase to 6.06% and 6.16%, respectively.
- Decreased O&M project costs by \$1.47 million
- Increased use of fund balance by \$2.5 million to \$7.2 million
- 2022 sale of \$15M in Revenue Bonds
- \$4.9M in offsetting grant revenue
- Total Cost per gallon is \$0.003



2022 Wholesale Water Rates Per Acre-Foot



Next Steps

- **Presentations upon Request to City and Town Councils, and Water District Boards in March**
- **Water Advisory Committee Vote on Monday, April 4**
- **Adoption by Sonoma Water's Board – April 19**



**Sonoma
Water**

Lynne Rosselli

Administrative Services Division Manager

Lynne.Rosselli@scwa.ca.gov

Jake Spaulding

Finance Manager

Jake.Spaulding@scwa.ca.gov

    sonomawater.org

9

MEMORANDUM

To: Board of Directors
From: Robert Clark, Operations / Maintenance Superintendent *RC*
Subject: FY 2021-22 Second Quarter Progress Report – Operations/Maintenance
X:\MAINT SUP\2022\BOD\Q2 21-22 O&M update.docx

March 11, 2022

RECOMMENDED ACTION: Information**FINANCIAL IMPACT:** None**Operations and Maintenance Summary**

Stafford Treatment Plant treated 168 MG between July and December 2021 and shut down production activities on October 25th. This reduced production volume has dropped the prior five-year rolling average from 365 MG to 307 mg due to limited rainfall. Due to continued dry year conditions it is unlikely that staff will be able to produce 322 MG this spring to reach the FY 2021/22 target of 490 MG by the end of June.

Point Reyes Treatment Plant treated 30.2 MG for the period July 1st – December 31st 2021, tracking 30% lower from last year's 42.9 MG. Staff also made low sodium water available for the residents from October 15th to November 5th.

Wastewater volume was up 3% to 3.5 MG vs 3.4 MG in 2021 for the same period. Freeboard in the ponds at the end of December was 6.8 feet in the treatment pond and 7.0 in the storage pond.

The recycled water system customer base is now 95 accounts with another four in the planning phase. Both Las Gallinas Valley Sanitary District and Novato Sanitary District consistently produced recycled throughout 2021. The combined recycled water production volumes for the period July 1st – December 31st were 143 MG for this year compared to 146 MG. Novato Water production for the period was 87% Water Agency, 7% STP and 6% recycled water.

With our new NexGen Enterprise Asset Management tracking system we are once again able to track our progress towards optimizing our preventative maintenance program. Maintenance group activities for the period included 480 work orders completed, 457 (95%) were planned with 23 (5%) unplanned. However, this is just one part of the District's overall maintenance program. We are still working on Operations and Construction groups use of the NexGen program and should have their data for the end of the year report. Overall our goal is to have 80% of our maintenance time be planned and 20% be unplanned. Because the Construction group performs more unplanned activities (Leaks, breaks, accidents) we expect the 95/5 ratio to fall more in line with 80/20 ratio goal when we have all of the maintenance activities tracked in the NexGen system.

10

MEMORANDUM

To: Board of Directors
From: Drew McIntyre, General Manager
Subject: Preparing for Dry Year Conditions - 2022
t:\gmibod misc 2022\preparing for dry year conditions 03_10_22.doc

March 11, 2022

RECOMMENDED ACTION: Information Only**FINANCIAL IMPACT:** None at this time

Rainfall in Novato through February, 2022 is at 16.83-inches (81% of average to-date). On Lagunitas Creek rainfall at the Kent Lake rain gauge through January, 2022 is 39.07-inches (vs. 11.63-inches in 2021). To-date, this water year is similar to 2018 when dry year conditions were in place on the Russian River yet ample rainfall occurred in the Lagunitas Creek watershed. A table of dry year rainfall totals is attached for your information (Attachment 1).

Lagunitas Creek

Since the State Water Resources Control Board (SWRCB) Order 95-17 was issued in 1995, dry year conditions on Lagunitas Creek have occurred in 2014, 2020 and 2021. Water year 2021 was the third year that NMWD had to operate with flows in Lagunitas Creek at less than 8 cfs during the summer/fall. Fortunately for 2022, rainfall in the Lagunitas Creek watershed measured by Marin Municipal Water District totals 39.07-inches through January 2022, 11-inches above that necessary for normal year classification (i.e., 28-inches or more by April 1st). Accordingly, we are no longer operating under recent dry year conditions which first went into effect two years ago on April 1, 2020 and resulted in Board adoption of the West Marin Service Area Emergency Water Conservation Ordinance No. 39 on May 5, 2020. As a result of the improved water supply conditions in West Marin, the Board amended Ordinance No. 39 at the February 1, 2022 meeting which repealed Stage 2 mandatory 25% water use reductions and enacted Stage 1 voluntary 15% reductions in water use and discontinued the drought surcharge.

Stafford Lake and Russian River Wholesale Water

On December 10, 2021 the State Water Board (SWB) approved SCWA's Temporary Urgency Change Petitions (TUCPs) filed on November 17, 2021 requesting that the minimum instream flow requirements for the Upper Russian River, Lower Russian River, and Dry Creek be established using a hydrologic index based on water storage in Lake Mendocino, not Lake

Pillsbury. Per the SWB approved Order, Lake Mendocino and Lake Sonoma are now operating under Critical Dry Year classifications. Lake Mendocino water releases are therefore reduced to 25 cfs versus 150 cfs in a Normal Year. Lake Sonoma water releases remain at 75 cfs until April 1 when they will be reduced to 25 cfs versus 75 cfs in a Normal Year. The Order is in effect for 180 days (or June 8, 2022).

Through February, 2022, Lake Mendocino holds just over 42,600 AF (62% of target water supply pool) versus 32,600 AF (48%) at this time in 2021. Lake Sonoma holds 149,000 AF (61% of water supply pool) versus 156,000 AF (64%) in 2021. As the data shows, current water storage levels in both SCWA reservoirs are well below average. Similar to last year, it is likely that SCWA will need to submit another TUCP to DWR in May to maintain storage in both reservoirs via reduced water releases. It is also expected that the SWB will approved the continued reduction of releases from both reservoirs via a new Temporary Urgency Change Order early June (similar to last year's Order issued June 14, 2021). It is expected that the new Order in June of this year will include provisions similar to last year wherein water diversions from Lake Sonoma must be reduced by 20% compared to 2020. Note that in 2021 the Water Contractors achieved a 22.4% reduction in Russian River diversions.

Given the continuing drought and lack of rainfall persisting into the foreseeable future, the Novato Service Area Emergency Water Conservation Ordinance No. 41 (as amended at the October 19, 2021 meeting) remains in place and includes a mandatory 20% reduction in water use compared to 2020 (Stage 2). In addition, the drought surcharge and all applicable non-essential water use prohibitions continue to remain in effect and are likely to continue through 2022.

At 3240 AF (75% capacity), Stafford Lake storage this year due to early winter rainfall is much better than in 2021 when the District purchased natural Russian River winter flow water from SCWA to backfeed Stafford Lake to increase storage capacity from 1250 AF (29% capacity) in early February 2021 to 2320 AF (54% capacity) in mid-April. At 75% capacity, Stafford Lake levels are similar to 2018 and 2020 (at the end of winter rains). Unfortunately, future weather forecasts through early April are not expected to increase Stafford Lake reservoir storage. That said, at a reservoir storage capacity of 75%, operations staff still expect to meet a FY23 production goal of 500 MG which is only 23% below our normal water year production goal of 650 MG.

Public Outreach

SCWA and the water contractors have a collective commitment to continue to use water efficiently and eliminate any unnecessary and wasteful use of potable water. Regional Sonoma Marin Saving Water Partnership seasonal outreach campaigns along with our own targeted public communications continue to remain a key focus during these dry year conditions. These public outreach efforts are discussed in more detail as part of the regular Water Conservation progress reports and the monthly web and social media reports. Staff will continue to keep the Board apprised as conditions change over the next couple of months.

Dry Year Rainfall

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct-Dec Total	Water Year Total
1976	3.16	0.35	0.68	0.26	2.29	1.06	2.06	0.00	0.00	0.00	0.54	0.28	4.19	10.68
1977	0.43	1.45	1.25	2.17	1.33	2.69	0.15	1.04	0.00	0.00	0.08	0.70	3.13	11.29
1991	0.28	0.46	1.63	0.51	4.22	9.39	0.87	0.13	0.31	0.00	0.28	0.00	2.37	18.08
2007	0.53	2.91	4.66	0.58	4.87	0.13	1.14	0.38	0.02	0.01	0.02	0.06	8.10	15.31
2012	2.04	2.53	0.10	3.40	2.08	5.69	0.47	0.00	0.00	0.00	0.01	0.00	4.67	16.32
2013	2.06	6.47	8.02	0.67	0.57	0.71	1.10	0.05	0.40	0.00	0.00	0.33	16.55	20.38
2014	0.00	1.21	0.92	0.03	7.84	2.56	1.00	0.01	0.00	0.00	0.00	0.30	2.13	13.87
2018	0.29	3.40	0.04	6.20	0.61	5.51	3.13	0.06	0.00	0.00	0.01	0.00	3.73	19.25
2020	0.00	2.39	11.13	1.89	0.00	1.69	1.08	0.64	0.00	0.00	0.07	0.00	13.52	18.89
2021	0.00	0.47	1.62	3.98	0.79	1.69	0.01	0.00	0.00	0.00	0.00	0.00	2.09	8.56
2022	8.21	1.55	6.51	0.48	0.08								16.27	16.83

T:\GM\2022 Misc\[Dry Year Rainfall Data 03_10_22.xlsx]Sheet1

11

**North Bay Water Reuse Authority
Board of Directors Meeting
February 28, 2022**

1. Call to Order

Acting Chair Gibson called the meeting to order at 9:35 a.m. on Monday, February 28, 2022. Due to Shelter in Place Orders, this meeting was a Zoom only meeting. Meeting participants and the public participated via the following link: <https://us02web.zoom/j/84884419295>.

2. Roll Call

PRESENT:	David Rabbitt, Chair	Sonoma Water (arrived at 9:40a.m.)
	Belia Ramos, Vice Chair	Napa County (arrived at 10:14 a.m.)
	Jack Baker	North Marin Water District (arrived 10:00 a.m.)
	Erik Brown	Novato Sanitary District
	Grant Davis	Sonoma Valley County Sanitation District
	Akin Fayehun	City of Petaluma
	Ron Ford	Las Gallinas Valley Sanitary District
	Jack Gibson	Marin Municipal Water District
	Dennis Rodoni	Marin County
	Scott Sedgley	Napa Sanitation District
	Pierre Washington	City of American Canyon

ABSENT: TAC members filled in for City of Petaluma, Sonoma Valley County Sanitation District, and Novato Sanitary District

OTHERS

PRESENT:	Chuck Weir, Program Manager	Weir Technical Services
	Kevin Booker	Sonoma Water
	Pat Costello	City of Napa
	Brad Elliott	Sonoma Water
	Jim Grossi	North Marin Water District
	Rene Guillen	Brown & Caldwell
	Tim Healy	Napa Sanitation District
	Drew McIntyre	North Marin Water District
	Mark Millan	Data Instincts
	Carmen Morales	Sonoma Water
	Jim O'Toole	ESA
	Larry Russell	Marin Municipal Water District
	Mike Savage	Data Instincts
	Paul Sellier	Marin Municipal Water District
	Jake Spaulding	Sonoma Water
	Dawn Taffler	Kennedy Jenks Consultants
	Tony Williams	North Marin Water District

3. Public Comments

There were no members of the public.

4. Introductions

Introductions were made for the benefit of new Director Ron Ford, Las Gallinas Valley Sanitary District.

5. Board Meeting Minutes of November 29, 2021

On a motion by Director Rodoni, seconded by Director Russell, the minutes of the November 29, 2021, meeting were unanimously approved by the Board by a roll call vote.

6. Election of Officers

Chair Rabbitt joined the meeting and assumed the Chair role. He thanked Director Gibson for filling in for him. The Program Manager stated that the Current Chair is David Rabbitt, and the Vice Chair is Belia Ramos. Chair Rabbitt requested nominations from his colleagues. Director Gibson nominated, seconded by Director Rodoni, David Rabbitt for Chair. Director Rodoni nominated, seconded by Director Russell, Jack Gibson for Vice Chair. There were no further nominations. Both nominations were approved unanimously. For 2022, David Rabbitt will serve as Chair and Jack Gibson will serve as Vice Chair.

7. Report from the Chair

Chair Rabbitt noted that there were reports from the Technical Advisory Committee, Item No. 7.a and the Consultant Progress Reports, Item No. 7.b as part of his report. He stated that action items for the Board included Item No. 8, Authorization for Sonoma Water to Submit a Funding Application to USBR on Behalf of Phase 2 Participating Agencies, and determination of future meeting dates.

Following discussion, the Board agreed to meeting dates on March 28, April 25, and May 23, 2022 at the regular time of 9:30 a.m. via Zoom.

7.a Report from the Technical Advisory Committee

The Program Manager and TAC Chair Healy provided a summary of the recent TAC meetings. The TAC met on January 11 and February 2, 2022. The agenda packets from each meeting were included in the packet for the Board's information. The TAC approved minutes from January 11, 2022 and draft minutes from February 2, 2011 were also included in the packet. The TAC continued discussion on the four resilience arenas as well as Phase 2. As an action item from the TAC, Item No. 8, Authorization for Sonoma Water to Submit a Funding Application to USBR on Behalf of Phase 2 Participating Agencies is included in the Board agenda. The TAC also established a regular meeting date through the rest of 2022. The TAC will meet on the first Thursday of the month from 1:00 – 2:00 p.m. Meetings can be cancelled if there is no business to discuss.

7.b Consultant Progress Reports

The consultant progress reports were included in the packet. This was an information item requiring no action by the Board.

8. Authorization for Sonoma Water to Submit a Funding Application to USBR on Behalf of Phase 2 Participating Agencies

This item was a recommendation from the TAC. The application packet is due March 15, 2022. Preparation of the application has been under way for the last few weeks. On a motion by Director Gibson, seconded by Director Russell, Authorization for Sonoma Water to Submit a Funding Application to USBR on Behalf of Phase 2 Participating Agencies was unanimously approved by a roll call vote.

9. Declaration of a State of Emergency pursuant to AB361 due to COVID-19 to Continue Remote Meetings Until the State of Emergency is Rescinded or Until January 1, 2024, Whichever Occurs First

The Board discussed the issue of remote meetings and agreed that remote meetings are preferable as attendees do not have to spend time driving to the meeting and it reduces the carbon footprint of the meetings. On a motion by Director Sedgley, seconded by Director Rodoni to approve the Declaration of a State of Emergency pursuant to AB361 due to COVID-19 to Continue Remote Meetings Until the State of Emergency is Rescinded or Until January 1, 2024, Whichever Occurs First was unanimously approved by a roll call vote.

10. Financial Reports for Fiscal Year Ending June 30, 2022.

The Board reviewed the financial reports and noted that expenses were tracking normally and that funds for the consultants and Sonoma Water were running low. Jake Spaulding noted that there was an action item for a budget amendment to cover Sonoma Water administrative tasks through the end of the fiscal year. This was an information item only, requiring no action by the Board.

11. Update on Napa Valley Drought Contingency Plan

Pat Costello, City of Napa, provided a PowerPoint presentation that was included in the packet on the Napa Valley Drought Contingency Plan (DCP). Partial funding for the DCP came from NBWRA. Mr. Costello highlighted the purpose, required elements, oversight, and results of the DCP. The draft has been submitted to USBR and comments are pending. There was discussion as to how DCP recommended projects could be eligible for Title XVI funding and possible NBWRA assistance. Board members thanked Mr. Costello for his highly informative presentation. This was an information item only, requiring no action by the Board.

12. Phase 1: Status of Reconciliation and Closeout Activities

Jake Spaulding gave an update on the reconciliation and close out activities for Phase 1. He noted that a final Reimbursement Request Memo, for approximately \$800,000, dated February 16, 2022, was recently submitted to USBR to officially close out the Title XVI funding agreement. The submittal included a Federal Financial Report, Final Project Report, Project Descriptions, and Maps and Photos for the 12 sub-projects. Once the funding is received, it will be allocated to the Phase 1 agencies and then the reconciliation process can begin. Drew McIntyre asked if there were any additional items that needed to be submitted. Jake Spaulding responded that only the annual recycled water reports were now required.

13. Approval of Fiscal Year 2021/22 Budget Amendment

Jake Spaulding discussed the need for this budget amendment to cover approximately \$15,000 already spent and an additional \$20,000 needed through the end of the fiscal year for Sonoma Water administrative tasks. The funds would come from accumulated interest and would not require any funds from the member agencies. He noted that there may need to be similar actions for the consultants in future meetings. A motion by Director Gibson, seconded by Director Washington, to approve Fiscal Year 2021/22 Budget Amendment was unanimously approved by a roll call vote.

14. Status of Phase 2

The status of Phase 2, including the approval of submitting a funding application to USBR were discussed in other agenda reports.

15. Items for the Next Agenda

Items for the next Agenda include a report and recommendations from the TAC, regular reports, Phase 1 and Phase 2 Status Reports, funding opportunities for Phase 2 projects, the Water Bond Status, and a possible budget amendment for the consultants through June 30, 2022.

16. Comments from the Chair, Board, and Member Agencies.

Director Ford stated that he was happy to be joining such a great group of recycled water proponents.

17. Adjournment

Chair Rabbitt adjourned the meeting at 10:25 a.m. The next meeting will be Monday, February 28, 2022, at 9:30 a.m. via Zoom.

Minutes approved by the Board _____.

Charles V. Weir
Program Manager

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12

North Bay Watershed Association

Board Meeting - Agenda

March 4, 2022 | 9:30 – 11:30 a.m.

THIS MEETING WILL BE HELD VIRTUALLY VIA REMOTE CONFERENCING SERVICE—
NO PHYSICAL MEETING LOCATION

Zoom Webinar:

<https://us02web.zoom.us/j/81630673971?pwd=dm94TXJCRWMYWFBLc3U5V2pTSmNRZz09>

Webinar ID: 816 3067 3971 Password: 216460

Agenda and materials will be available the day of the meeting at:
www.nbwatershed.org

AGENDA

Time	Agenda Item	Proposed Action
9:30	Welcome and Call to Order – Roll Call and Introductions <i>Jack Gibson, Chair</i>	<i>N/A</i>
9:35	General Public Comments This time is reserved for the public to address the Committee about matters NOT on the agenda and within the jurisdiction of the Committee.	<i>N/A</i>
9:40	Agenda and Past Meeting Minutes Review <i>Jack Gibson, Chair</i>	<i>Approve</i>
9:45	Treasure's Report <i>Jack Gibson, Chair</i>	<i>Accept</i>
9:50	Guest Presentation— COVID-WEB: Monitoring Wastewater for SARS-CoV-2 in the Bay Area <i>Sasha Harris-Lovett, Ph.D., Berkeley Water Center, UC Berkeley</i> Sasha will provide an overview of a collaborative Bay Area wastewater monitoring program that analyzes concentrations of coronavirus RNA in order to inform local pandemic response efforts. She'll describe the ways in which wastewater can be a valuable resource for public health data and discuss the current state and future of the program. .	<i>Presentation</i>

10:55	Executive Director Report <i>Andy Rodgers, Executive Director</i> <p>Andy will provide an update on active projects, including the April 8 conference, recent meetings, communications, committees, activities, and developing initiatives since the February 4 Board meeting. Andy will outline ideas for next and future Board meeting topics and solicit feedback.</p>	<i>ED updates, Board questions, and input</i>
11:10	Board Information Exchange and Drought Updates <i>Members</i> <p>Members will highlight issues and share items of interest.</p>	<i>N/A</i>
11:30	Announcements/Adjourn Next Board Meeting: April 1, 2022	<i>N/A</i>

13

DISBURSEMENTS - DATED MARCH 3, 2022

Date Prepared 2/28/22

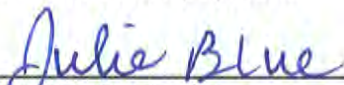
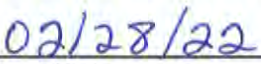
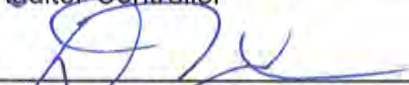
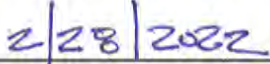
The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

Seq	Payable To	For	Amount
90464*	CALPERs	March Insurance Premium (Employer \$51,194, Retirees \$11,389 & Employee Contribution \$8,766)	\$71,348.22
1	All Star Rents	Propane (11 gal)	48.92
2	Alpha Analytical Labs	Lab Testing	55.00
3	Amazon/Genuine-Hardware	Miscellaneous Office Supplies (\$524), Respirator Mask Filters (28) (\$314), Recorder for Board Meetings (\$108), PC Monitors (\$412), Stacking Monitor Arms (\$446), Parts for STP Boat (\$40), Electric Parts (\$163) & Intrusion Switches for Pump Stations (\$792)	2,799.56
4	American Family Life Insurance	February AFLAC-Employee Paid Benefit	3,402.29
5	AT&T	February Internet Service	110.94
6	AT&T	Leased Lines	67.56
7	Banerjee, Siddharth	Novato "Toilet Rebate" Program (\$125) & Refund Alternative Compliance Reg 15 Deposit (\$315)	440.00
8	Bold & Polisner	January Legal Fees-General (\$9,395) & Potter Valley FERC-NMWD Portion (\$1,418)	10,812.50
9	Butori, Ronald	Novato "Cash for Grass" Rebate Program	800.00
10	Cole-Parmer Instrument	Tubing for Ion Chromatography Equipment (Lab)	149.15
11	Consolidated CM	Prog Pymt#8: Construction Management Services for NMWD Building Renovation Project (Balance Remaining on Contract \$36,302)	18,445.00
12	Core Utilities, Inc	Consulting Services: January IT Support (\$6,000), IT & SCADA Support for Radio/Cell Project (\$400), CORE Billing Maintenance (\$650) & Front Office Network Design Review, Planning for Temp Office Relocation (\$1,275)	8,325.00

Seq	Payable To	For	Amount
13	Electrical Equipment Co	Motor Controls for Gallagher Well #2	2,056.08
14	Fiserv/Bastogne Inc.	Return Payment-Unable to Locate Accounts (4)	569.36
15	Fisher Scientific	Copper Atomic Absorption & Hypochloride Purifier (\$83) (Lab)	108.91
16	GHD Inc.	Prog Pymt#24: O.M. Treatment & Storage Pond Repair (\$98) (Balance Remaining on Contract \$10,782), Prog Pymt#19: STP Corrosion Assessment (\$9,092) (Balance Remaining on Contract \$19,935) & Prog Pymt#10: Old Ranch Road Tank No. 2 Design Services (\$1,017) (Balance Remaining on Contract \$33,981)	10,206.53
17	Grainger	60" Rolling Ladder	770.93
18	High-Purity Standards	Standards for Instrument Calibration (Lab)	321.22
19	Home Depot	Drip Edge & Shingles for OM Lift Enclosure (\$148)	181.36
20	Kehoe, Chris	Exp Reimb: Parts for Gallagher Well No. 2	449.54
21		Vision Reimbursement	153.96
22	Kelly Services, Inc.	Organic Chemist Temp Services (Lab) (39 hrs)	2,374.98
23	Lemos, James	Exp Reimb: Hotel & Meals While Attending D1/D2 Class in Sacramento (2/17-2/18)	268.10
24	McMaster-Carr Supply Co	Threads & Nuts for Auto Shop	73.32
25	MRC Global	Labor to Perform Onsite Start Up of Motor Operated Valve	1,246.50
26	Mutual of Omaha	March Group Life Insurance Premium	1,145.45
27	Pape Machinery Inc.	Throttle Control (\$354) & Electric Switch (\$501) ('09 JD Backhoe)	854.84
28	Point Reyes Light	Legal Notice on 2/10-Ordinance 39	67.50
29	Save The Bay	Return Payment-Not Our Customer	85.00
30	Soiland Co., Inc.	Asphalt Recycling (24 tons) (\$355) & Rock (80 yds) (\$2,499)	2,854.39

Seq	Payable To	For	Amount
31	United Parcel Service	Delivery Services: Vehicle Scanner Sent for Replacement, Granular Activated Carbon & Chlorine Sent for Analysis, Instrument Batteries Sent for Replacement & Documents Sent for Local Water Enhancement Study	82.82
32	US Bank	January Safekeeping Treasury Securities	92.50
33	West Coast Energy Systems LLC	STP (\$535) & O.M. (\$535) Generator Inspections	1,070.00
TOTAL DISBURSEMENTS			<u>141,837.43</u>

The foregoing payroll and accounts payable vouchers totaling \$141,837.43 are hereby approved and authorized for payment.

	
Auditor-Controller	Date
	
General Manager	Date

DISBURSEMENTS - DATED MARCH 10, 2022

Date Prepared 3/7/22


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 2/28/22	\$155,579.78
90465*	Internal Revenue Service	Federal & FICA Taxes PPE 2/28/22	70,621.54
90466*	State of California	State Taxes & SDI PPE 2/28/22	15,520.33
90467*	CalPERS	Pension Contribution PPE 2/28/22	42,628.08
1	AT&T	Telephone (\$94), Fax (\$55), Leased Lines (\$142) & Data (\$241)	532.92
2	Bakke, Rory	Refund Overpayment on Closed Account	30.55
3	Bay Area Barricade Service	Cones for Auto Shop (4)	116.97
4	Borges & Mahoney	STP Chlorine System Maintenance	128.84
5	Building Supply Center	Parts for PRE 4C	9.29
6	CentriTEK-Industrial	Diagnostic & Repair of Centrisys @ STP	939.10
7	Comcast	Internet for Lab @ Buck Institute	551.50
8	Core & Main	Gaskets (4), Nipples (28) (\$178), Plugs (32) (\$136), Tees (15) (\$381), Valves (6) (\$4,316), Clamp (12" x 2") (\$838), Couplings (30) (\$855), Unions (10) (\$158), Scotchkote (4) (\$197) & Elbows (23) (\$566)	7,645.35
9	DataTree	February Subscription to Parcel Data Info	100.00
10	Direct Line Inc	March Telephone Answering Service	169.00
11	Dumbra, Ashley	West Marin "Rainwater Harvesting" Rebate Program	150.00
12	E & M	Service Contract for Distribution & STP SCADA Software	7,275.00

Seq	Payable To	For	Amount
13	Enterprise FM Trust	Monthly Leases for Chevy Colorado, Ford Ranger, F250's (2), Nissan Rogues (2), Nissan Frontiers (2) & F150's (7)	7,696.02
14	ERS Industrial Services Inc	Filter Media Replacement to Top Off Actiflo Filter Units (STP)	23,900.00
15	Evoqua Water Technologies LLC	Service on Ionization System	328.99
16	Fiserv/Bastogne Inc.	Return Payment-Not Our Customer	125.00
17	Fishman Supply Co	Safety Gloves (86)	408.69
18	Friedman's Home Improvement	Lighting Parts for STP (\$266), Tools for E/M (\$192), Materials for Slump Test, Parts for OM Electrical Enclosure (\$563), Materials for Gallagher Well #2 (\$452), Wood for Meter Shop (\$400) & Wood for PRE 2 Retaining Wall (\$414)	2,311.76
19	Grainger	Safety Cabinet for Flammable Liquids (STP) (\$1,298), Shower Tester Funnel (\$73) (Lab), Weatherproof Boxes for PRE 1 (2), Blower (\$174), Cordless Reciprocating Saw (\$176), Ball Valves (12) (STP) (\$377), Carboys (4) (STP) (\$172), Hinges for OM Lift Station (\$90), First Aid Kit (\$139), Parts for Caustic Line (STP) (\$243) & Miscellaneous Maintenance Tools & Supplies (\$365)	3,107.23
20	Harrington Industrial Plastics	Slip Cap for Calibration Column (STP)	98.00
21	Kiosk Creative LLC	Website Mapwork for District Election Webpage (Balance Remaining on Website Support & Social Media Contract \$32,101)	350.00
22	Lincoln Life Employer Serv	Deferred Compensation PPE 2/28/22	15,747.60
23	Marin Municipal Water District	Water Deliveries to Lagunitas Creek per NMWD-MMWD Interconnection Agreement (7/1/21-10/25/21) (63 AF)	15,278.74
24	Marin Airporter	Return Payment-Not Our Customer	1,433.36
25	Martin, D	Refund Overpayment on Closed Account	47.44
26	Nationwide Retirement Solution	Deferred Compensation PPE 2/28/22	1,195.00
27	Northen, Brian	Exp Reimb: D2 Preparation Course	170.53

Seq	Payable To	For	Amount
28	Novato Builders Supply	Parts for OM Electrical Enclosure (\$253), Concrete (\$195), Materials for Gallagher Well #2 (\$83), Nails, Screws & Parts for PRE#1	572.39
29	Oak Knolls Coop c/o Real Manage	Return Payment-Not Our Customer	445.69
30	O'Reilly Auto Parts	Funnel	8.13
31	Preferred Alliance, Inc.	Pre-Employment Physical (Demartini)	84.00
32	R & B Company	Hydrant Extensions (2-6" x 20")	405.80
33	Recology Sonoma Marin	January & February Trash Removal	1,142.32
34	Rodriguez, C. c/o William Cotter	Refund Overpayment on Closed Account	46.34
35	Staples Business Credit	Misc Office Supplies	189.61
36	Syar Industries Inc	Sand (15 yds)	961.56
37	Target Solutions Learning, LLC	Annual Renewal - Learning Management Training Software-H2O Know Software (38 Licenses)	7,216.20
38	TPx Communications	March Telephone Charges	734.84
39	Veolia Water Technologies	Sand Pump & Hydrocyclone Parts (STP)	23,036.21
40	Verizon Wireless	Cellular Charges: Data (\$1,169), Airtime (\$63) & iPads for Asset Management (\$200)	1,431.90
41	VWR International LLC	Chlorine Solution (\$131), Autoclave Tape (4) & Reagent (Lab)	159.93
42	Wardle, Peter & Georgiana	Refund of Deposit/New Development/WC Restriction-West Marin	1,000.00
		TOTAL DISBURSEMENTS	<u>\$411,631.53</u>

The foregoing payroll and accounts payable vouchers totaling \$411,631.53 are hereby approved and authorized for payment.

 03/07/2022
 Auditor-Controller Date

 3/7/22
 General Manager Date

MMWD delays decision on desalination measure

DROUGHT OPTIONS

Voters could be asked to repeal their authority

Marin Independent Journal

By Will Houston

whouston@marinij.com

When Marin last considered building a desalination plant on San Francisco Bay more than a decade ago, residents wary of the high financial and environmental costs reacted by giving voters the power to make that decision.

Now comes the question: should voters retain the power to block what could be an emergency source of water in the event of another crisis?

“The strange weather we’ve had the last few years I think suggests that having more options in the event of a similar kind of emergency we were in this past year is prudent,” Marin Municipal Water District General Manager Ben Horenstein told the district Board of Directors on Tuesday. “With this ordinance in place, it does limit our ability in certain ways to move forward if we wanted to with an emergency desal system.”

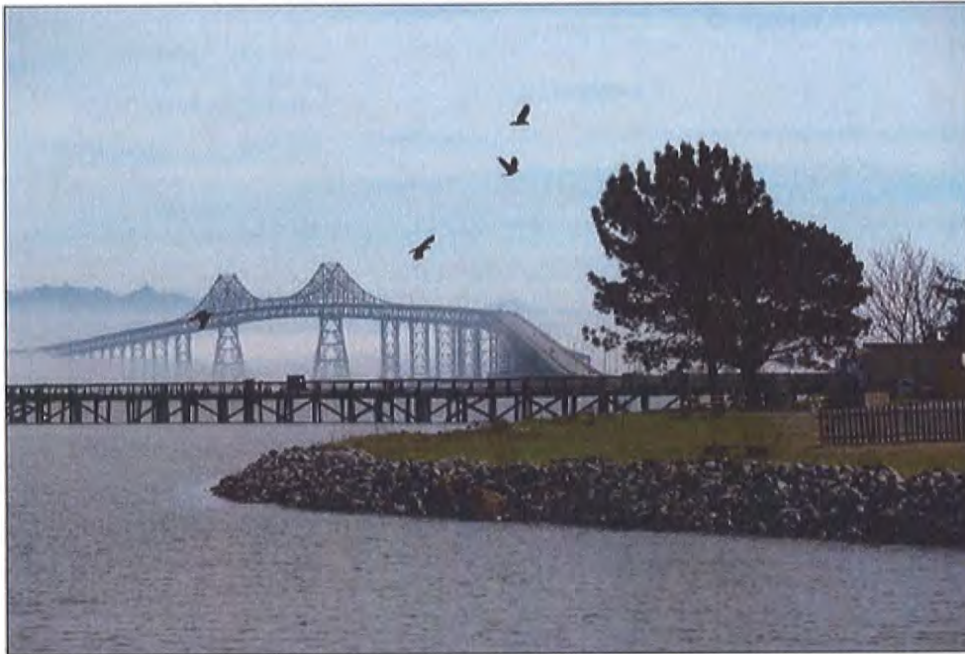
One option proposed to the board on Tuesday was to put a measure on the June ballot asking voters if they wanted to repeal their authority to decide whether a desalination plant gets funded and built.

The board decided the idea was premature. Rainfall in late 2021 nearly refilled reservoirs, giving the district much-needed relief and more time to explore a variety of new sources of supply from desalination to an emergency pipeline across the Richmond- San Rafael Bridge.

“To me, it’s pretty clear that we’re not there yet and neither is the public,” said board Director Larry Bragman said of the ballot measure. “The issue is really not crystalized for the public as to what this ballot measure even means and what it means to the district. Most of the comments assume it means we’re moving ahead with desal, which it doesn’t.”

This month, the district began an assessment to weigh the pros and cons of potential new sources of water. The study is set to be completed this summer.

A ballot measure is not entirely off the table. Some board members suggested waiting until after the water supply study is completed this summer and potentially pursuing a ballot measure for the November election or holding a special election.



The fishing pier and grounds of the Marin Rod and Gun Club stands near the Richmond-San Rafael Bridge. The Marin Municipal Water District had tested desalination near this location a couple of times in the past 30 years.

ALAN DEP — MARIN INDEPENDENT JOURNAL



A sign is placed along a stretch of Sir Frances Drake Boulevard in Fairfax in 2021. The Marin Municipal Water District is assessing the pros and cons of potential new sources of water.

SHERRY LAVARS — MARIN INDEPENDENT JOURNAL, FILE

MMWD has been contemplating the idea of desalination on and off since the early 1990s and has tested two pilot desalination plants. It began seriously considering the idea in the late 2000s when forecasts showed its water supply would not meet rising water demands.

Opponents of the idea placed an initiative, Measure T, on the November 2010 election ballot that would require voter approval for any planning, engineering studies and construction of the plant. Environmental organizations and other residents were concerned that the desalination plant would greenlight unsustainable development and undercut the need to conserve more water. There was also concern about the impacts of the toxic brine on the bay and its wildlife.

Bragman, then the vice mayor of Fairfax, was a supporter of Measure T.

The water district countered Measure T with its own initiative, Measure S, which would only require voter approval for funding and constructing the plant. The district and its supporters stated that Measure T was too restrictive and would block the district from even studying the idea of desal without having to go through a districtwide election.

Measure S won with a nearly 70% majority vote, overtaking Measure T, which received 55% support among voters.

At Tuesday's meeting, several ratepayers — many of whom opposed the desalination plant in 2010 — questioned why the district was bringing back an issue they said was settled by the voters more than a decade ago.

"I hate to have to think here in my late 70s I've got to go back out on the street and do it all over again," Clayton Smith told the board.

Others, such as Marin Conservation League board member and district Citizens Advisory Committee member

Larry Minikes, said a June initiative allows for little time to explain the measure.

"I think trying to get the public to say, 'We want to give up the right to vote,' for reasons that aren't very clear is just going to backfire," Minikes told the board.

Sierra Club member Nancy Okada said desalination should be the last option for new water supplies given its greenhouse gas emissions and brine impacts in San Francisco Bay.

“You really need to focus on conservation and people have been showing they are willing to conserve and are conserving,” Okada told the board.

James Krajieski of Corte Madera said that the district’s conservation efforts failed last year and the district was only rescued from a crisis by unusual early rainfall in October. He said other options, including desalination, need to be considered and the district should not wait to pursue them.

“What voters wanted in the past can change,” Krajieski told the board. “At that particular time we had a different population, we don’t have all of the growing population that we have now, we see the effects on our landscape on our lives of extreme conservation measures. So why shouldn’t we have all options on the table at this particular point?”

The district is set to hold its first public workshop on studying new water supplies from 5 to 7 p.m. March 9. More information can be found online at marinwater.org.

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Thursday, 03/03/2022 Page .A01

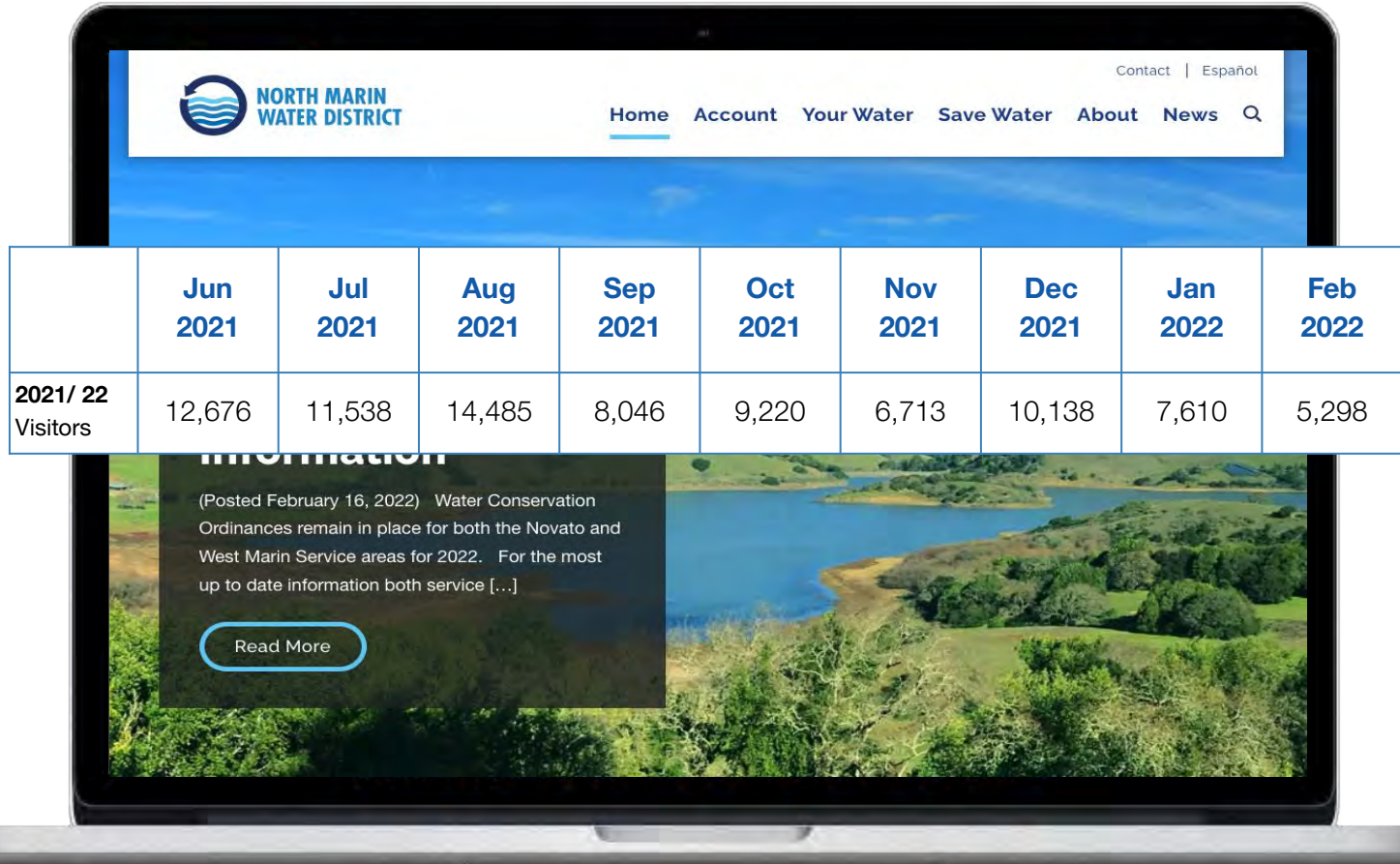


**NORTH MARIN
WATER DISTRICT**




Web & Social Media Report

February 2022

Website Statistics



Social Media Followers

	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022
 Facebook Followers	1,178	1,181	1,191	1,291	1,313	1,338	1,376	1,454	1,510
 Twitter Followers	42	44	52	57	61	63	65	66	66
 Instagram Followers	516	536	549	573	593	599	611	618	630



NMWD Most Visited Pages

Pages	Unique Pageviews	% of Total
Home	2,865	27.62%
Online Billing	1,693	17.41%
Watersmart	1,047	10.20%
Employment Opportunities	219	2.13%
Weather & Production Statistics	217	2.02%
Contact	200	1.90%
About NMWD	189	1.83%
Meetings 2022	176	1.64%
Save Water Outdoors	167	1.57%





February Social Media Highlights | Facebook



118 people reached | 1 engagement

Engagements include likes, reactions, clicks and comments



115 people reached | 2 engagements





February Social Media Highlights | Facebook



93 people reached | 0 engagement

Engagements include likes, reactions, clicks and comments



90 people reached | 0 engagement



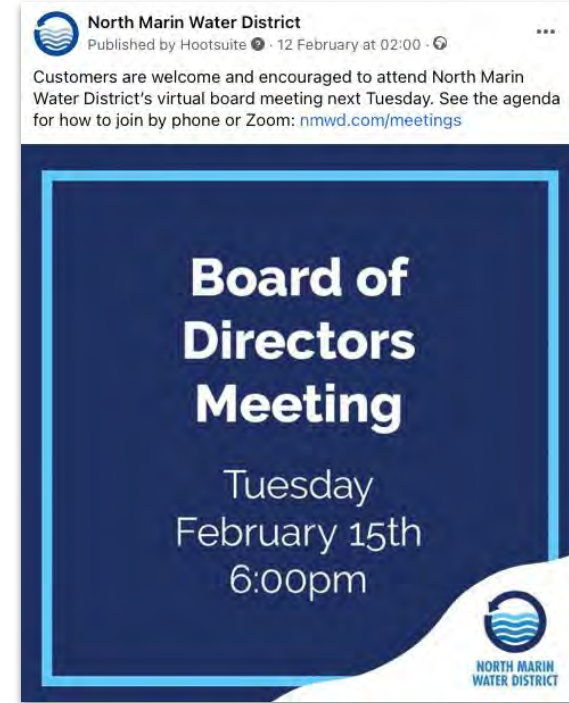


February Social Media Highlights | Facebook



303 people reached | 41 engagements

Engagements include likes, reactions, clicks and comments

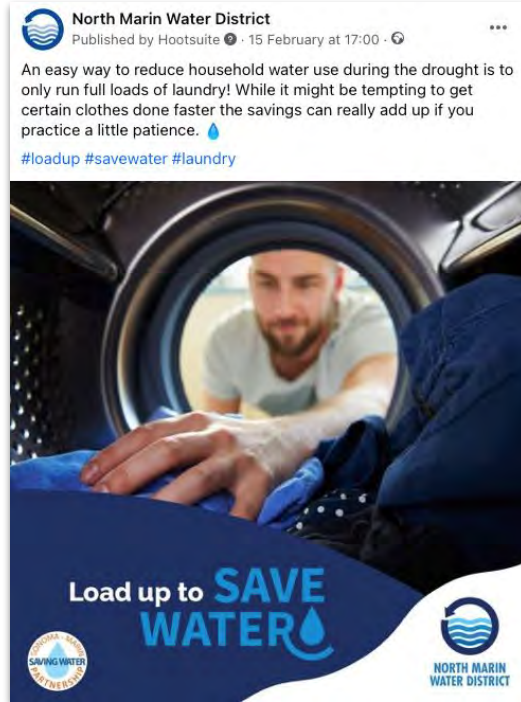


83 people reached | 1 engagement



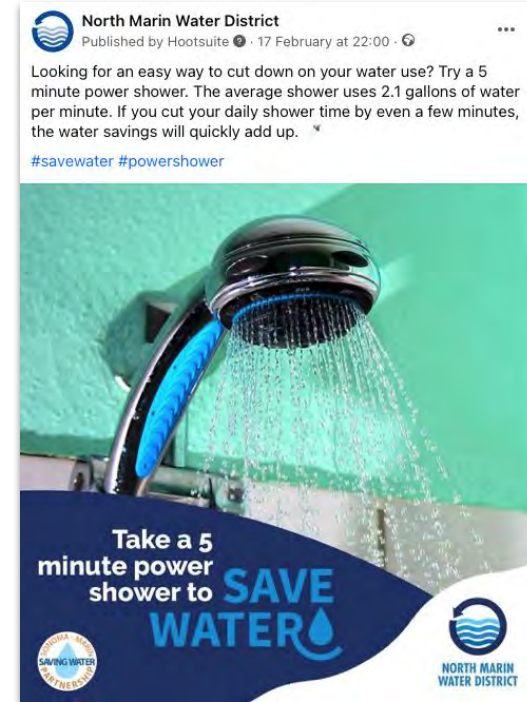


February Social Media Highlights | Facebook



134 people reached | 1 engagement

Engagements include likes, reactions, clicks and comments



106 people reached | 1 engagement





February Social Media Highlights | Facebook



114 people reached | 2 engagements

Engagements include likes, reactions, clicks and comments



147 people reached | 5 engagements





February Social Media Highlights | Facebook



2912 people reached | 248 engagements

Engagements include likes, reactions, clicks and comments



308 people reached | 32 engagements



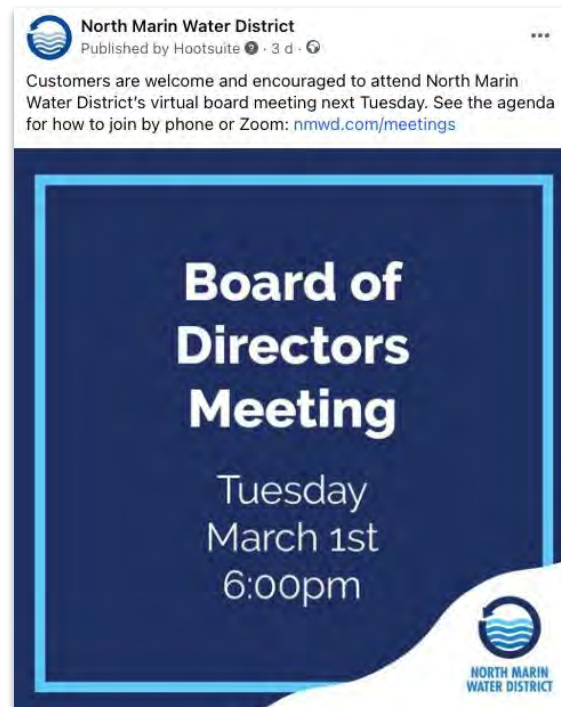


February Social Media Highlights | Facebook



131 people reached | 3 engagements

Engagements include likes, reactions, clicks and comments



75 people reached | 0 engagement





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 1

...

A simple house upgrade that makes a difference in water savings - choose WaterSense labeled fixtures. WaterSense is an EPA program that offers consumers an easy way to identify water-efficient products. To learn more visit: epa.gov/watersense/wat...
[#bathroomremodel](#) [#savewater](#)



North Marin Water District @NorthMarinWater · Feb 4

...

With higher efficiency standards, new Energy Star dishwashers use 3.5 gallons of water or less per load. When you upgrade to a high efficiency dishwasher and only run full loads of dishes, your water savings (and energy savings) will really add up!
[#kitchenremodel](#) [#savewater](#)





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 8

A new washing machine can be a great way to save water! Front loading, high efficiency, clothes washers use far less water than older models. Check here for available rebates in your service area:

savingwaterpartnership.org/programs_list/...

#upgrade #savewater #washingmachine



North Marin Water District @NorthMarinWater · Feb 9

New technology means a high efficiency showerhead can reduce water use by 20%. Upgrade your showerhead, choose a WaterSense labeled fixture, and save water every time you shower! 🚿

Check here for rebates in your area:

savingwaterpartnership.org/programs_list/... #upgrade #savewater #bathroomremodel






February Social Media Highlights | Twitter

 **North Marin Water District** @NorthMarinWater · Feb 10 ...


Check out our current employment opportunities at North Marin Water District! Visit nmwd.com/careers/employ... for more information.



The graphic features a dark blue background with white wavy lines at the bottom. The text "We're Hiring!" is written in large, white, sans-serif font. The North Marin Water District logo is in the bottom right corner.

 **North Marin Water District** @NorthMarinWater · Feb 12 ...

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



The graphic features a dark blue background with a light blue border. The text "Board of Directors Meeting" is written in white, sans-serif font. Below it, "Tuesday, February 15th" and "6:00pm" are written in a smaller white font. The North Marin Water District logo is in the bottom right corner.





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 15

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.



#loadup #savewater #laundry



North Marin Water District @NorthMarinWater · Feb 17

Looking for an easy way to cut down on your water use? Try a 5 minute power shower. The average shower uses 2.1 gallons of water per minute. If you cut your daily shower time by even a few minutes, the water savings will quickly add up. 🚿

#savewater #powershower





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 19

An easy way to reduce household water use during the drought is to only run full loads of dishes! While it might be tempting to run a small load of dishes or wash by hand, the savings will really add up if you practice a little patience. 💧

[#loadup](#) [#savewater](#) [#dishwasher](#)



North Marin Water District @NorthMarinWater · Feb 20

We are grateful for North Marin Water District's engineering team!

Tony Williams, Chief Engineer for North Marin Water District, oversees design and construction of all District facilities that deliver clean, healthy water to our homes and businesses.

[#nationalengineersweek](#)





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 23 ...

A freeze warning has been issued for Novato, from Wednesday 2/23 at 2am - Friday 2/25 at 9am. Freezing conditions can damage unprotected outdoor plumbing. Ensure exposed outdoor water pipes are wrapped with insulation to avoid inconvenient and costly breaks.

[#freezealert](#)

**Freeze
Alert!**

Tomorrow,
Wednesday 2/23
at 2am through
Friday 2/25
at 9am



North Marin Water District @NorthMarinWater · Feb 23 ...

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

Engineering Tech IV, Susan Dove, provides support to engineering activities related to drawings, GIS applications, and Asset Management Systems.

[#femaleengineers](#) [#womeninwater](#)





February Social Media Highlights | Twitter

 **North Marin Water District** @NorthMarinWater · Feb 24

We are grateful for North Marin Water District's engineering team!



Tim Fuelle 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](#) [#innovation](#) [#drinkingwater](#)



 **North Marin Water District** @NorthMarinWater · Feb 26

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





February Social Media Highlights | Instagram



7 likes



5 likes





February Social Media Highlights | Instagram



6 likes



2 likes





February Social Media Highlights | Instagram



4 likes



1 like

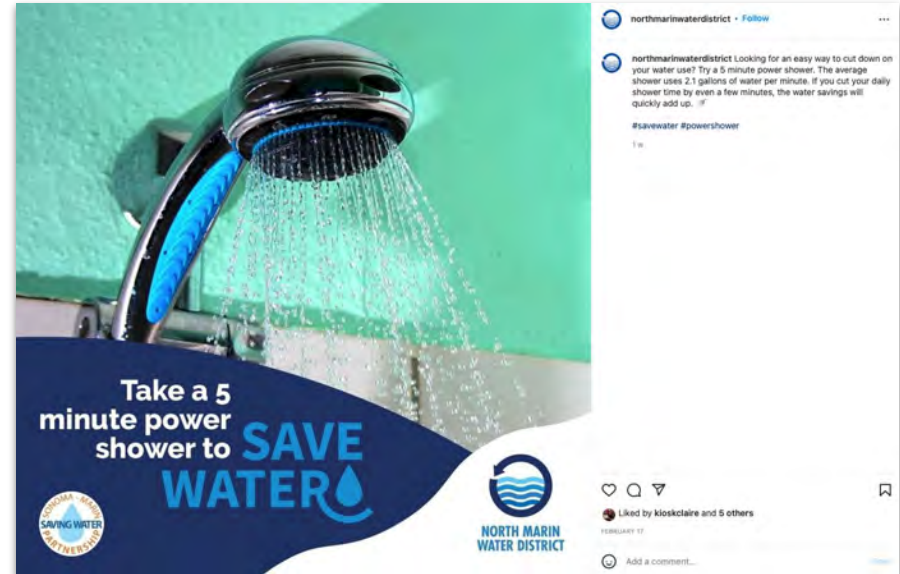




February Social Media Highlights | Instagram



12 likes



6 likes





February Social Media Highlights | Instagram



3 likes

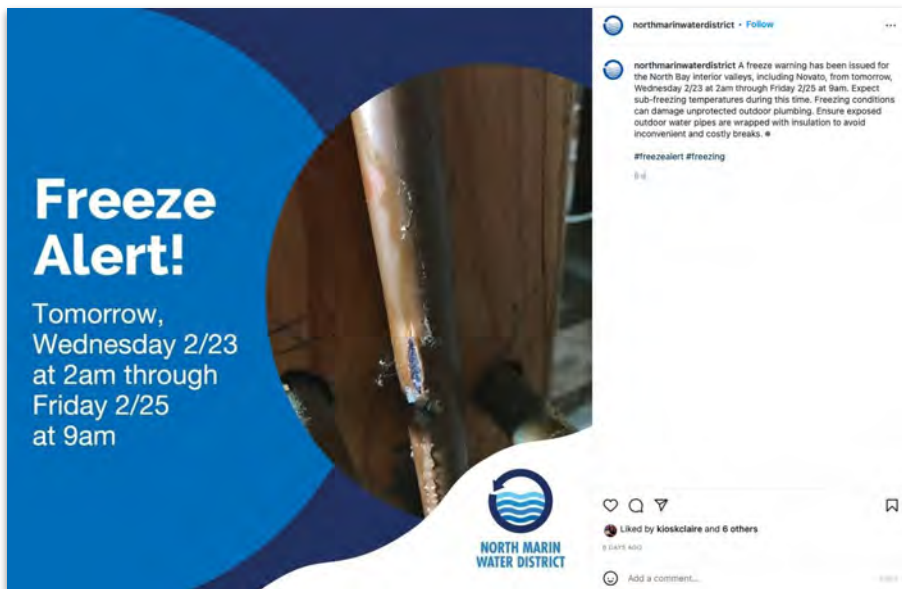


8 likes

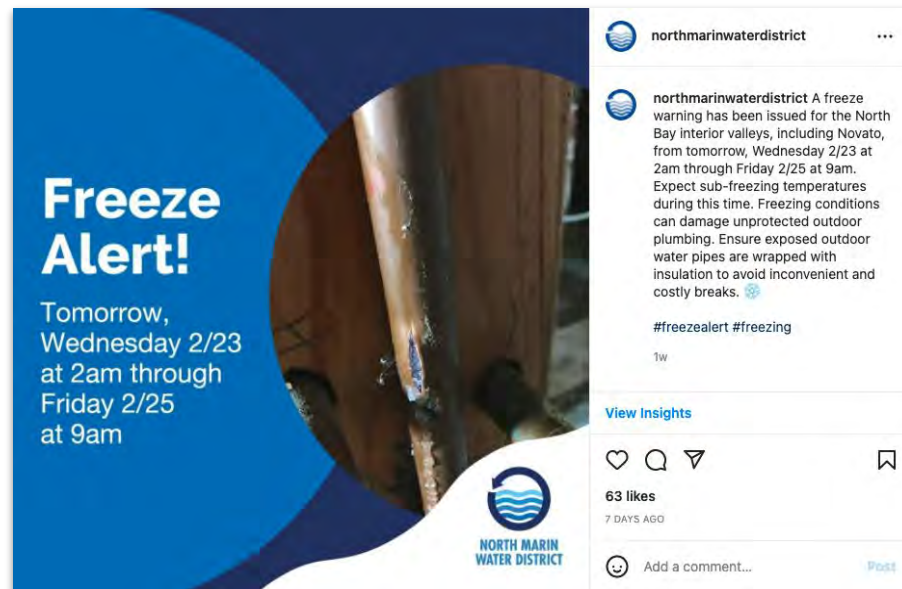




February Social Media Highlights | Instagram



7 likes (Organic post)



63 likes (Boosted ad)





February Social Media Highlights | Instagram



8 likes

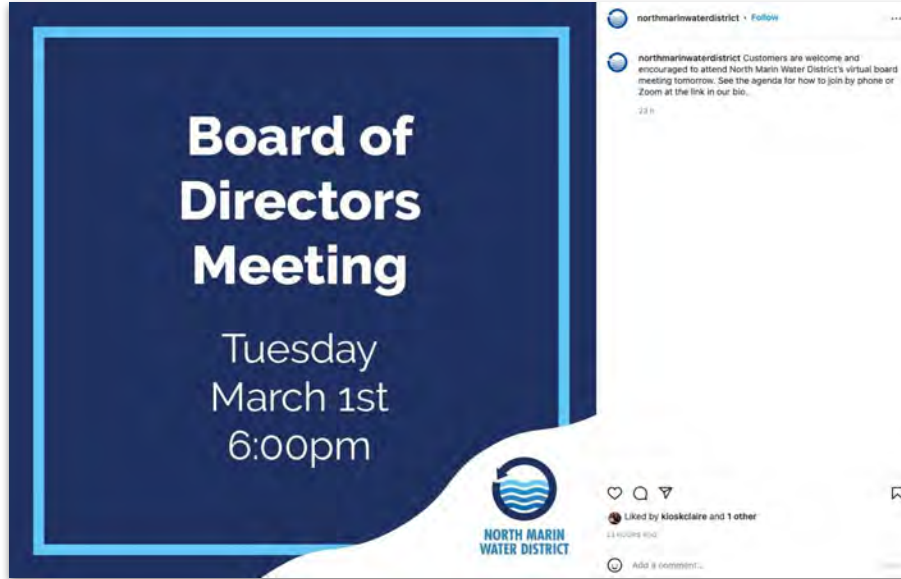


6 likes





February Social Media Highlights | Instagram



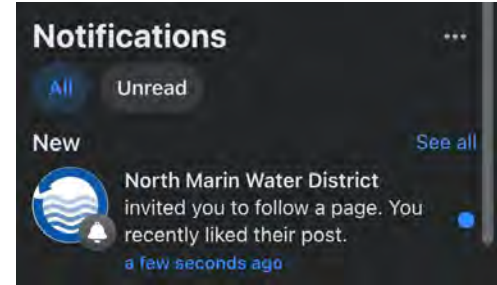
2 likes



Facebook Likes Campaign - February Report



We are running an evergreen ad which encourages residents in the NMWD service areas to 'like' (follow) the NMWD Facebook page.



Spend in February 2022	Reach (Number of people who saw the ad)	Impressions	Results (New Page Likes)	Cost Per New Page Like
\$49.63	3,115	6,745	61	\$0.81

*This month, we were able to reach over **3k** people with the Likes Campaign*



News Stories - February

2022 Updated Drought Information

(Posted February 16, 2022) Water Conservation Ordinances remain in place for both the Novato and West Marin Service areas for 2022. For the most up to date information both service areas click here: <https://nmwd.com/save-water/drought/>

[2022 Updated Drought Information](#)

What's Next?

- Post social media campaign for Fix-a-Leak week
- Publish the Fix-a-leak week news story
- Carry out a design refresh of the 2021 Water Quality Report
- Spring Waterline design



Thank You