



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
March 1, 2022 – 6:00 p.m.
Location: Virtual Meeting
Novato, California

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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.

Est. Time	Item	Subject
6:00 p.m.		CALL TO ORDER
	1.	APPROVE MINUTES FROM REGULAR MEETING , February 15, 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 INFORMATION ITEMS
	5.	Drought Surcharge Review–Proposed Revisions to District Regulation 54(a)(3) & (c)(3)
	6.	FY 2021/22 Second Quarter Progress Report – Engineering Department
	7.	FY 2021/22 Second Quarter Progress Report – Water Conservation
	8.	Initial Review SCWA FY23 Water Transmission System Budget
	9.	MISCELLANEOUS Disbursements – Dated February 17, 2022 Disbursements – Dated February 24, 2022 NOAA Three-Month Outlook Temperature and Precipitation Probability <u>News Articles:</u> Marin IJ – Brief return of rain ends 4-day dry spell – BAY AREA WEATHER Marin IJ – Cities, farms facing low water deliveries – CALIFORNIA DROUGHT
7:00 p.m.	10.	ADJOURNMENT

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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
February 15, 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), Pablo Ramudo (Water Quality Supervisor and Tim Fvette (Senior Engineer). Also participating remotely were; Morgan Biggerstaff (Legal Counsel), Tom Willis and Joe Armenti (Redistricting Partners), Armin Munevar (Jacobs Engineering), Clara McBane (Ventura Energy), Craig Hill (NHA Advisors) and IT consultant Clay Smedshammer (Core Utilities).

President Petterle requested that for those joining the virtual meeting from the public to identify themselves. Also participating remotely were Novato residents Chris Choo, Kristin Johnson and Zachary Griggy.

36 **MINUTES**

37 On motion of Director Joly seconded by Director Baker, the Board approved the minutes
38 from the January 25, 2022 Regular Board Meeting by the following vote:

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

40 NOES: None

41 ABSTAIN: None

42 ABSENT: None

43 **MINUTES**

44 On motion of Director Joly seconded by Director Baker, the Board approved the minutes
45 from the February 1, 2022 Regular Board Meeting by the following vote:

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

47 NOES: None

48 ABSTAIN: None

49 ABSENT: None

50 **REDISTRICTING PROCESS PUBLIC HEARING NO. 2: Review and Receive Public Input on**
51 **Current Electoral Division Maps**

52 Mr. McIntyre provided an overview of the 2019 redistricting process. Mr. McIntyre noted
53 that on August 6, 2019, the Board adopted corrected Ordinance No. 38 to transition from an at-
54 large to a division-based election system in conformance with the California Voting Rights Act of
55 2001 and pursuant to California elections Code Section 22000 et seq., the Board must review its
56 electoral division boundaries, following the federal census that occurs every ten years. Mr.
57 McIntyre noted that although the existing Division Map is only two-plus years old, the 2020
58 census triggered full redistricting review. Mr. McIntyre stated that on December 7, 2021 the
59 Board received a report from staff and legal counsel regarding the 2020 Census, which did not
60 reveal significant population shifts that require adjustments in division lines, and in fact indicated
61 improved population balance among the District five electoral divisions. He noted that the current
62 total deviation among all districts using 2020 census data is 7.7%, well within the constitutional
63 standard. Mr. McIntyre reminded the Board that on January 18, 2022 the Board held the first
64 public hearing and received public comment and discussed the draft map, noting the Board did
65 not instruct special counsel or the demographer to revise the draft map or provide any additional
66 draft maps. He added that the staff developed a public outreach strategy to help inform the public

67 on the division-based elections and to encourage and obtain feedback. Mr. McIntyre reported as
68 a result of its public outreach, on February 9, 2022, the District received two alternative draft maps
69 from Novato resident Zachary Griggy. Mr. McIntyre stated that based on what has been
70 presented, he believed the District's current electoral deviation boundaries are consistent with the
71 US and State Constitutions, and federal and state laws. He noted that the total deviation has
72 decreased from 9.3% in the 2010 census to 7.7% in the 2020 census. Mr. McIntyre stated that
73 that deviation has improved, therefore why change the boundary such that some voters currently
74 in Division 1 or Division 5 will no longer be able to vote in this Fall's election and will need to wait
75 for a longer period of time. Mr. McIntyre added that many customers have already learned what
76 division they are in and a change now would just create more confusion. Additionally, he noted
77 that all maps are infinitely perfectible and have both pros and cons.

78 A Public Hearing and a presentation on the redistricting process was given by Joe Armenti
79 from Redistricting Partners. The presentation covered a range of topics and expanded on the
80 technical aspect of the redistricting process. Mr. Armenti discussed: the concept of redistricting,
81 the principles and criteria for Special Districts: utilizing the U.S. Census decennial file to determine
82 equal population, voting rights and local government lines that supports contiguity, compactness
83 and communities of interest. Mr. Armenti stated that in the current map one of the biggest
84 considerations was to keep the island together and rural areas out the city boundaries, which in
85 turn created a minimum of neighborhood splits and a balance of population. Mr. Armenti added
86 that the current map deviation of 7.7% also allows room for future growth. Mr. Amended reminded
87 the Board the initial redistricting presentation was on December 7, 2021, the first Public Hearing
88 was on January 18, 2022, and now followed by a second Public Hearing. He noted that if the
89 Board decides to go forward with the current lines, an approval could be decided.

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

91 Director Joly asked what the compared deviation numbers were between the 2019 map
92 and the 2020 census numbers. Mr. Armenti replied that currently with the 2020 census the current
93 map had a 7.7% deviation. Mr. Biggerstaff added that the 2019 redistricting map had a 9.3%
94 deviation. Director Joly clarified that it was his understanding that the original map drawn which
95 was approved by the Board is now more in alignment with the requirements. Mr. Armenti
96 confirmed the deviation has reduced and is still within 10%. Director Joly stated that that there
97 are other requirements to consider such as the percentage of minorities and asked if there are
98 other concerns. Mr. Biggerstaff replied there are no voting rights issues.

99 President Petterle opened the public hearing at 6:17 p.m. for public comment.

100 Upon hearing no public comment, President Petterle closed public meeting at 6:18 p.m.

President Petterle asked if there were any further comments from the counsel, consultants or Directors.

Director Joly stated that that he thought Mr. Griggy would have a comment. Director Petterle stated that Mr. Griggy was attending the meeting, however there was no hand raised for comment. Mr. Biggerstaff noted that Mr. Griggy's alternative maps were included in the agenda for Board review and consideration. Director Petterle confirmed they were included and reviewed by the Board. Director Joly stated that that he would like to thank Mr. Griggy for his hard work and commitment to provide community input. He added that after looking at all the documents, he is inclined to stay with the current map; and the current census confirmed his decision.

On motion of Director Joly seconded by Director Fraites, the Board approved adoption of Resolution 22-03 affirming the District's current electoral division boundaries, as established in corrected Ordinance No. 38, shall continue to remain in effect for the next decade by the following vote:

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

NOES: None

ABSTAIN: None

ABSENT: None

SONOMA WATER REGIONAL WATER SUPPLY RESILIENCY STUDY PRESENTATION

NO. 2

Item #4, Sonoma Water Regional Water Supply Resiliency Study Presentation No. 2 was presented after the General Manager's report.

Mr. McIntyre reminded the Board that at the November 16, 2021 Board meeting a presentation on the Regional Water Supply Resiliency Study was given by Jay Jasperse, Chief Engineer for Sonoma Water. He stated that that the objective of the resiliency study is to develop operational strategies and water supply capital projects to improve the regions water supply resiliency. Mr. McIntyre reported the multiyear study is being performed by Jacobs Engineering Group and should be complete this summer. He stated that due to the record drought Jacob's accelerated the work to focus on identifying potential near term drought resiliency projects to identify both short term and long-term water supply options. Mr. McIntyre introduced Jacob's Project Manager, Armin Munevar, who provided a follow-up presentation that built upon the information previously presented to the Board in November, and included a summary of modeling results and viable drought management options.

Armin Munevar's presentation on the Sonoma Water Regional Water Supply Resiliency Study focused on drought management option updates. He stated that that the Sonoma Water

135 Resiliency Study identifies the key factors impacting regional water supply resiliency; evaluates
136 the current levels of resiliency; develops a decision support framework model and identifies
137 promising opportunities for Sonoma Water and its retail customers. Mr. Munevar updated the
138 Board on the Decision Support Model that integrates the Russian River and Potter Valley Project;
139 Sonoma transmission system and retail customer systems. He added that the main model inputs
140 were: reservoir and river flows; member agency demands and maximum member agency local
141 supplies. Mr. Munevar reported the future baselines took into consideration: assumptions and
142 simulations, as well as stress test hydrology. He noted that there are a range of drought
143 management options which include: increasing supply; reducing demand; improving operations;
144 along with modifying policy and regulations. Additionally, both near-term drought resiliency and
145 long-term drought resiliency response actions were discussed. In conclusion, Mr. Munevar stated
146 that the next steps of the study would include: a technical memorandum on drought assessment,
147 continued updates to the WAC/TAC; further review of long-term drought management strategies
148 and continued with assessment of resiliency in response to seismic, wildfire, power, water quality
149 and other identified risks.

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

151 Director Joly thanked Mr. Munevar, adding his presentation was very helpful. Director
152 Joly stated that the scenarios included 30% reduction in Sonoma Water diversions when Lake
153 Sonoma storage is less than 100,000 AF before July 15th. He asked with no rainfall in sight, could
154 this happen this July. Mr. Munevar replied the 30% is part of the State Water Rights Agreement
155 and is projected on fall reduction. Mr. McIntyre added that the District had a call for 30%
156 conservation previously and we have had limitations from Sonoma Water to the tune of 25%. He
157 added that he does not know if we will be at 30% conservation, but even if we had no more rain
158 by this July we will still not be at 100,000 AF. Mr. Munevar confirmed, adding the risk will be in
159 2023. Director Joly asked when the Board could expect Phase 2 of the study. Mr. Munevar
160 replied it will take until the end of the summer this year to wrap up all the resiliency studies.

161 Director Joly asked about how many years out are we in pursuing the brackish and ocean
162 water desalination long term goal. Mr. Munivar replied there is a lot of subsection on this topic,
163 noting that MMWD is currently looking at emergency desalination, however NMWD would push it
164 out five plus years. Director Grossi commented desalination is a complicated issue and NMWD
165 is probably looking at ten to twenty years out, especially when you compare it to the southern
166 California project timeline. Director Grossi complimented the model basis with the assumption of
167 the 1976 to 1980 historical data, noting however in 1982 we had storms and flooding so
168 predictions are all up in the air. He stated that West Yost is doing a study for our District; however,

the most important thing is to partner up with Sonoma Water and keep working with MMWD. Director Grossi added that there are good possibilities if we combine some of our supplies. He stated that 75% of Novato's water comes from Sonoma Water out of the Russian River and some well production, and asked Mr. Munevar if he knew how much annual flow goes through the Russian River and out to the ocean that we do not take advantage of. Mr. Munevar responded he estimated there was 5,000 to 8,000 AF potentially available, but the transmission system is the limiting factor, noting we need more places to store the water. Director Grossi stated that NMWD also needs more places to store, and in the short term we can raise Stafford, and in the long term a potential reservoir above ground. He added that MMWD has some potential with Souldajule Reservoir and if we all pull together we can get water from one source or another. Director Grossi noted that in the report there was a water supply at the Sonoma Developmental Center and asked if that was a lot of water. Mr. Munevar stated that that it was not a large amount and the concept was to use it for recharged water.

Director Joly applauded Jacobs for itemizing the risk studies and asked about cyber security. Mr. Munevar replied that will be covered in Phase 3. Director Joly asked if they will apply a stress test. Mr. Munevar responded they will do both an individual and a cascading stress test. Director Joly asked when the Directors can expect an accumulative stress test. Mr. Munevar replied at the end of the year.

Mr. McIntyre thanked Mr. Munevar for the presentation and noted that Jacobs now has a contract with MMWD in the next four months to utilize the information that has already been gained from the study and will look at other alternatives that may be beneficial with the regional water contractors. Director Petterle stated that his concern is how to stay ahead of the planning, adding the District does not control growth. He noted that the planning agencies, Association of Bay Area Governments (ABAG) and the City of Novato will be the ones to impact supply in the next three to five years. Chris Choo (public participant) asked (via chat feature) at what level of additional population growth impacts water availability. Additionally, she stated that the new Regional Housing Needs Allocation (RHNA) numbers allows for nearly 25,000 additional people in the Marin/Sonoma Counties. Mr. Williams replied the Jacob's model includes all future demands per each water contractor's Urban Water Management Plan (UWMP) and Mr. Munevar the model does include future demand per each UWMP. Mr. Williams stated that NMWD's UWMP included worst-case growth factors.

President Petterle asked if anyone from the public would like to speak and there was no response.

GENERAL MANAGER'S REPORT

Huffman Potter Valley Project (PVP) Ad Hoc Meeting – February 14, 2022

Mr. McIntyre announced that during Monday's PVP Ad Hoc meeting a PG&E representative confirmed that they are waiting to receive notice from FERC, noting that they need to file a license surrender application. Mr. McIntyre stated that PG&E expects this notice to come in after April 14th. Mr. McIntyre added that PG&E also stated that they are moving forward to repair the Potter Valley Project transformer. He noted that the estimated time for repair is eighteen to twenty-four months with a payback of five years and the surrender process will result in annual license renewals for another seven to ten years. Mr. McIntyre stated that PG&E commented that whatever the plan is, the hope is it will be beneficial to as many stakeholders as possible. He added that during the surrender process other entities' consumer proposals can take on parts of PG&E's assets.

Director Joly stated that we have a unique water supply with long term issues and asked how Potter Valley fits in with our water supply. Mr. McIntyre replied Potter Valley is important, because it fills up Lake Mendocino. He added that, as a water supply standpoint we rely on Lake Sonoma, however Sonoma Water does have to release flows from Lake Mendocino for fishery enhancement.

Marin Municipal Russian River Winter Flows

Mr. McIntyre apprised the Board that he has been in discussion with MMWD staff and confirmed that there will be no request by MMWD to store any Russian River winter flows in Stafford Lake this year.

Kastania Pump Station Transfer Agreement

Mr. McIntyre informed the Board that the property transfer agreement was fully executed on February 1st. Additionally, he stated that the grant deeds will be recorded at the County of Sonoma soon.

2022 Revised Marin Municipal-North Marin Water District Interconnection Agreement

Mr. McIntyre reported the final revised interconnection agreement has been signed by the MMWD Board President and will be signed soon by President Petterle.

February 14th WAC Meeting

Mr. McIntyre apprised the Board that he attended the WAC Meeting on February 14th. He stated that the Regional Water Supply Study was discussed and he will give a further update later in this agenda.

Director Grossi asked about backfeeding Stafford Lake. He asked if there is no rain in March if we will backfeed again. He questioned, at what point are we cut off. Mr. McIntyre replied last summer water production was 500 AF from July to October and currently we have enough

water to quadruple that, therefore to store more would not be advantageous. Director Grossi agreed, noting there is a cost to backfeed. Director Joly stated that that Congressman Huffman talked about severe drought in California and asked what Congress and other groups might do to help the water supply situation. He added that in our local resiliency study West Yost stated that a desalination plant could cost \$230M or more; which is beyond our resources. He asked if people are talking about resolutions to the water supply study and not just talking about resiliency studies. Mr. McIntyre replied when talking about additional water supply development, aquifer storage and recovery, brackish water desalination all those projects could be funded with federal stimulus money. Director Joly responded that is understood, he wanted to know with fifty-two congress members in California what the plan is outside of the resiliency studies, and if they are doing something about the drought at a federal level. Mr. McIntyre replied the resiliency studies are the ground work to determine what projects will be successful and able to apply for grant money. Director Joly asked what the timeline was for Sonoma Water's study. Mr. McIntyre replied the entire project will be finished this summer, noting over the next couple of months it will identify the near-term projects, noting the future long-term projects will require more detailed analysis.

OPEN TIME

President Petterle asked if anyone from the public wished to bring up an item not on the agenda and there was no response.

STAFF/DIRECTORS REPORTS

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

Ms. Kehoe reminded the Board that completion of the Ethics Training and the Form 700's are due April 1st.

Mr. Clark alerted the Board that the District received a notice of heightened awareness from the federal government warning of possible cyber-attacks due to the Russian and Ukraine conflict. Mr. Clark reported that he checked with the District's IT consultant, CORE Utilities, and we are protected. Director Joly asked Ms. Blue if there were any financial risks with a cyber-attack. Ms. Blue replied that the security of our financial software is protected.

Director Petterle stated that this is the worst drought in a 1200-year period per a recent newspaper article, the drought is not over and we need to prepare for a dry future and not rely on hope. Director Grossi stated that we need to be prepared so when a big storm does come we are ready to catch all the water.

MONTHLY PROGRESS REPORT

The Monthly Progress Report for January was reviewed. Mr. McIntyre reported on key

areas such as water production, local and regional lake/reservoir capacity, Oceana Marin effluent, safety, COVID financial impacts and delinquent bill impacts, and customer complaints and service orders.

Ms. Blue reported on the January 2022 Investments, where the District's portfolio holds \$25.9M earning a 0.28% average rate of return. She noted that that during January the cash balance decreased by \$460,000 and the LAIF rate was at 0.23%. Ms. Blue apprised the Board that a two-year CD matured earning \$8,000 in interest at a 1.75% interest rate. She added that the District purchased a \$240,000 two-year CD at .75% and as the interest rates increase she will continue to diversify the portfolio.

Director Joly asked about the unrestricted cash balance versus the restricted balance and asked why it is restricted. Ms. Blue replied the cash set aside in reserves has a purpose, as an example she noted that the SRF loan requires a certain amount of cash set aside. Director Joly asked how much is really in a reserve and how much is available. Ms. Blue directed Director Joly to the financial statement where there is a breakdown of cash, both restricted and unrestricted.

CONSENT CALENDAR

On the motion of Director Fraites , and seconded by Director Baker the Board approved the following items on the consent calendar by the following vote:

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

NOES: None

ABSTAIN: None

ABSENT: None

RE-AUTHORIZING MEETINGS BY TELECONFERENCE OF LEGISLATIVE BODIES OF NORTH MARIN WATER DISTRICT

Resolution 22-04 will extend the continuation of teleconference meetings and "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 Meeting by Teleconference of Legislative Bodies of North Marin Water District" from February 15, 2022 through March 17, 2022 pursuant to Brown Act provisions.

AMEND CONTRACT WITH KENNEDY/JENKS CONSULTANTS – GENERAL SERVICES AGREEMENT

The Board approved to amend the general services agreement contract with Kennedy/Jenks Consultants. Kennedy/Jenks provides hydraulic modeling services for support of both large developer projects as well as District Capital Improvement Projects.

ACTION CALENDAR

Item #14, Administration and Laboratory Upgrade Project Financing Alternatives was given before Action Item #11, NMWD Administration and Laboratory Upgrade Project – Approve Bid Advertisement.

NMWD ADMINISTRATION AND LABORATORY UPGRADE PROJECT – APPROVE BID ADVERTISEMENT

Mr. Williams reported that the current NMWD Administration and Laboratory Upgrade Project cost estimate is \$12,866,000 which includes a cost escalation factor of approximately \$495,000. He noted that there is no financial impact until the construction project is awarded. Mr. Williams also highlighted as a cost control measure there is an estimated \$325,000 cost for three alternate items that can be deferred or tackled in a different way if the bid comes in higher. He added the architect plans on submitting a set of back check plans to the City of Novato to secure the permit, noting CEQA is exempt, filed and secured. Mr. Williams stated that he hoped to advertise next week with a tentative bid opening at the end of March. He noted that coordination of the final financials with the contract award could occur at the April 5th or April 19th Board meeting. Mr. Williams added that per NMWD specifications there is a 60-day opening to make the award, but he would like to keep the schedule moving forward. Mr. Williams apprised the Board that the cost estimate was done by a third-party estimator with an escalation factor which was built in due to the current market.

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

Director Grossi asked who the estimator was. Mr. Williams replied it was Mack-5. He added that they have worked with the architect in the past and he was very impressed with the forty-five-page detailed estimate. Director Grossi commented that the main thing is to get this going quick so we can lock into the current interest rates. Director Joly announced they are saying interest rates could go up 1% by July, Golden Sacks is predicting higher; noting we need to look at the inflation number. He asked if \$13M was the hard cost for the project. Mr. Williams confirmed, stating the \$16M includes the cost of the architect, construction manager and other miscellaneous soft costs. Ms. Blue added that the District will be directed to go for the full \$16M in funding, there is a 3.5% contingency and a 9% inflation rate. Mr. Williams added that there is already an inflationary cost built in for any additional inflation. Director Joly stated that this is important, because the inflation numbers could go sky high. Director Petterle stated that he has worked with Mack 5 in the past and they were way off on a project; however, it was a strange project. He added that on the next project he was very pleased with their work. Director Petterle added that he was also pleased to see a Construction Manager was incorporated. Mr. Williams replied Naomi Weatherstein has been a fantastic support, she has been with us since the start of

339 the design and will continue through the construction phase. Director Petterle stated that this is
340 a smart move as it will eliminate problems down the road. Director Joly asked if this will be one
341 of the largest debt financing projects in the District's history. Mr. McIntyre replied, it is one of
342 them, noting Stafford Lake was \$15M and the Recycled Water Project was \$30M.

343 Director Joly stated that the project has merit. He stated that he was very impressed with
344 the Jacobs report that listed water supply risk sensitivities, noting water utilities with low water
345 sales will have more of an impact. Director Joly stated that he would love to understand what the
346 risks are, noting we have not had a seismic event in a long time. He added that, if we spend
347 \$16M on a new building that is a lot to tie up, with only \$19M left. Director Joly stated that in the
348 next quarter he would like to see an analysis of our debt and how it would relate to seismic, power
349 and wildfire events. Ms. Blue clarified that the cost is \$16M which would leave \$19M additional
350 funds. Director Joly stated that he was aware of that. Director Grossi stated that he understood
351 what Director Joly was saying, but the probability of a catastrophic fire or flood puts us in a position
352 that we need to understand occurs once in a hundred years or more. He added that the District
353 has the capacity to fund, if we need to go to the voters we could get what was needed to
354 supplement our system. Director Joly stated that in reference to the West Yost study, we do not
355 have the final analysis of the cost. He added that we don't know what the cost of additional water
356 supply will be; noting MMWD is throwing around a large number. Director Petterle stated that in
357 a catastrophic event money is available from the federal government, it is always a risk and a
358 balancing act and he appreciates Director Joly's comments. Director Fraites stated that we need
359 to make it crystal clear to our customers the reason why we are doing this is because the lab
360 needs an expansion and the building is over fifty years old. Director Petterle agreed that it is a
361 point well taken and stated that Kiosk should be working on this. Mr. Williams noted to keep in
362 mind that this is not about providing a nice new office for staff, it is the hub of how we manage the
363 District. He added that the project includes seismic upgrades, backup power, a brand-new lab,
364 and updated and centralized SCADA system. Mr. Williams emphasized that the District office is
365 a centralized location and the nerve center of the District operations and the most important tool
366 in the tool box. Director Grossi asked if we were using an emergency building code. Mr. Williams
367 replied we are using one level below. Mr. McIntyre reminded the Board there was a recent
368 tour of our facilities by three Directors of Coalition of Sensible Tax Payers (COST). He noted that
369 at the end of the tour they commented that it was apparent to them that there was a critical need
370 for the renovation as the infrastructure was aging. He added that staff will continue to have Kiosk
371 keep the public apprised. Director Joly stated that we are doing the resiliency studies, looking at
372 all the risks, we have bond capacity and we are being responsible. He added that it is a tough

373 decision we need to make and he is sure the public will understand. Director Petterle noted that
374 the cost will not get any cheaper and the renovation needs to be done, so this is the time.

375 President Petterle asked if anyone from the public would like to speak and there was no
376 response.

377 On the motion of Director Grossi, and seconded by Director Fraites the Board authorized
378 bid advertisement for the NMWD Administration and Laboratory Upgrade Project by the following
379 vote:

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

381 NOES: None

382 ABSTAIN: None

383 ABSENT: None

384 **NMWD ADMINISTRATION AND LABORATORY UPGRADE PROJECT – TEMPORARY**
385 **LEASES**

386 Mr. Williams announced that original Attachment 1 had been removed to comply with the
387 disclosure law with the Buck Institute. He stated that this item addressed two temporary
388 arrangements. The Administration Department, Engineering Department and key Operations
389 staff would relocate to the Wood Hollow Office Complex and the temporary lab space will be
390 located at the Buck Institute. Mr. Williams added that that the Wood Hollow lease will come back
391 to the Board for ratification, as staff are still going over the terms. He noted that that there is no
392 obligation for a long-term lease, other than the loss of the deposit if the District decides not to go
393 forward at the time of ratification. In conclusion Mr. Williams requested the Board give
394 authorization to the General Manager to execute a License and Services Agreement with the Buck
395 Institute and allow the General Manager to sign an Office Lease Agreement with 100 Wood Hollow
396 Drive, LLC.

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

398 Director Joly asked if the \$175,000 included the soft costs and Mr. Williams confirmed.

399 President Petterle asked if anyone from the public would like to speak and there was no
400 response.

401 On the motion of Director Joly, and seconded by Director Fraites the Board authorized the
402 General Manager to: 1) execute the License and Services Agreement with the Buck Institute; and
403 2) sign the Office Lease agreement for the Wood Hollow Office Park, once finalized by the
404 following vote:

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

406 NOES: None

407 ABSTAIN: None

408 ABSENT: None

409 **SAN MARIN PUMP STATION BATTERY BACKUP SYSTEM**

410 Mr. Clark reminded the Board that at the January 18th Board of Directors meeting staff
411 presented a report on the District's San Marin Pump Station proposed battery backup system
412 funded through the California Public Utility Commission's Self Generation Incentive Program
413 (SGIP). Mr. Clark stated that Ventura Energy, a project owner and developer of energy storage
414 projects approached the District with an opportunity to receive the project for no cost to the District.
415 He added that the incentive program funds are pending submission of the Energy Services
416 Agreement. Mr. Clark stated that this program would allow the District to defer cost, with PG&E's
417 peak demand program in which the battery backup would flatten the load. He noted that staff and
418 legal counsel have reviewed the proposed revised agreement and the contract has been found
419 to be satisfactory. Mr. Clark added that the hope is to be on tract and operating by fall of this
420 year.

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

422 Director Grossi stated that this backup system would not just fill in like a generator it would
423 benefit us continuously. Mr. Clark added that Ventura Energy will provide the software and we
424 won't even notice we are not getting the power from PG&E, but instead from the battery pack.
425 Director Grossi stated that it is similar to what the College of Marin has, they pull the power at
426 night and use it during peak times during the day. Mr. Clark confirmed it is a similar set up.
427 Director Petterle asked Ms. McBane if she had anything she would like to say. Ms. McBane
428 thanked the Board and replied that she is looking forward to working with the District on this
429 project.

430 President Petterle asked if anyone from the public would like to speak and there was no
431 response.

432 On the motion of Director Grossi, and seconded by Director Baker the Board authorized
433 the General Manager to enter into contract with Ventura Energy for the installation of a Tesla
434 Battery Energy Storage System at the San Marin Pump Station by the following vote:

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

436 NOES: None

437 ABSTAIN: None

438 ABSENT: None

439 **INFORMATION ITEMS**

440 **ADMINISTRATION AND LABORATORY UPGRADE PROJECT FINANCING ALTERNATIVES**

441 This item was reviewed early in the agenda.

442 Ms. Blue reminded the Board that in a separate memo the Board was requested to
443 approve a total bid estimate of \$16M for the Administration and Laboratory renovation project.
444 She stated that she has been working with Craig Hill from NHA Advisors to explore the District's
445 financial options and alternatives. Ms. Blue introduced Mr. Hill, Managing Principal of NHA, who
446 gave a presentation to the Board. She requested after the presentation the Board give direction
447 to staff and NHA to proceed with the financing of the Administrative and Laboratory Upgrade
448 Project.

449 As part of the presentation, Mr. Hill gave options which included; projected interest rates
450 and additional debt capacity. He discussed: project funding needs; revenue and expenditure
451 projections; project funding sources; proposed financing options; the debt service coverage ratio
452 calculation; District bonding capacity and policy/process considerations. Mr. Hill stated that they
453 would like to start the financing process to bring back to the Board as an action item at the same
454 time the construction award is proposed.

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

456 Director Joly stated that the authorization of bid is for April 5th to the 19th and asked if that
457 is within the funding timeline. In response, Mr. Hill confirmed that the first step is to put together
458 a credit package and then seek bids. Director Joly asked what the bond rating is now. Ms. Blue
459 replied there is no official bond rating, because you have to go through the process to get the
460 rating. Director Joly stated that he liked the fact that there was a conservative estimate of
461 connection and developer fees. He added that it makes the balance sheet cleaner and lenders
462 more comfortable. Mr. Hill replied that was a very astute observation, the recommendation on
463 long term capital assets is to finance for up to thirty years, because there is less pressure on the
464 cash flow and less pressure to push rates up earlier than necessary.

465 President Petterle asked if anyone from the public would like to speak and there was no
466 response.

467 Director Petterle thanked Mr. Hill for his informative presentation, and stated that he found
468 it to be very helpful.

469 **REINSTATEMENT OF WATER SHUT-OFFS AND STATE WATER ARREARAGE PAYMENT**
470 **PROGRAM STATUS**

471 Ms. Blue updated the Board on the status of the reinstatement of water shut-offs and state
472 water arrearage payment program. Ms. Blue stated that now that the arrearage payments have
473 been applied and the restrictions to suspend water shut-off due to non-payment have been lifted,
474 the District will begin water shut-offs in mid to late March 2022. Ms. Blue apprised the Board that

there are over 450 customers per District policy that are eligible for shut off for nonpayment. She added that the next step is to mail out a letter notifying those customers of their balance due and notify them of their risk of shut off. Ms. Blue noted that the letter will also inform them of the District's payment plan and low-income plan options. Ms. Blue stated that once the letters go out she hopes the list will decrease, and then systematically staff will shut off the customers that do not respond to the communication.

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

Director Grossi asked how it was decided which accounts were credited. Ms. Blue responded it was based on the billing dates, the unpaid balance due during the period of March 2020 through June 2021. She added that the state's goal of the arrearage program was to reduce the number of customers that would be shut off due to nonpayment, but due to the time period it only reduced the amount due per customer. Director Grossi asked how many delinquent customers the District has. Ms. Blue replied that there was about 450 at the time of the memo. Director Joly asked pre-pandemic how many customers were on the shut off list regularly. Ms. Blue responded 20 to 30 a week, noting some customers were always on the list and it was the only way staff could collect payment. She noted that those customers are included in the 450 and the list has grown dramatically, because the District has had no leverage to collect.

President Petterle asked if anyone from the public would like to speak and there was no response.

COMMUNITY MICROGRID ENABLEMENT PROGRAM – OCEANA MARIN

Mr. Williams reported on the Community Microgrid Enablement Program for Oceana Marin including a background of the program and an overview of PG&E's Community Microgrid Enablement Program. He stated that the Dillon Beach Resources Committee approached NMWD about partnering on this and noted that it is a very long and involved process. Mr. Williams added that it is a great opportunity, but staff's concern is we have limited resources and trained staff to manage the system, because it is a wastewater system. Additionally, Mr. Williams stated that any type of system in the Oceana Marin would be subject to the marine environment and wear and tear of the equipment in that coastal location. He added that he would hope the committee would take the lead and NMWD would take on a partnership role. Mr. Williams noted that the committee was invited to attend tonight's meeting, however, there is no one in attendance. He requested input from the Board including any comments on the proposed letter of interest included in the agenda.

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

Director Grossi stated that he doesn't want the District to get in the lead position, noting it is a big responsibility and not our expertise. He added that we are not in the position to set this up for the whole community, even though with our standing and size of operation people look at us to do that. Mr. Williams agreed, noting depending on the level of involvement it could also impact the rate payers. He added that, if the project moves forward likely a MOU would be required identifying responsibilities and the District will only act as a partner.

President Petterle asked if anyone from the public would like to speak and there was no response.

NBWA MEETING – FEBRUARY 4, 2022

Director Fraites reported on the NBWA meeting that was held on February 4, 2022. He provided an update on the presentation given by Jessica Davenport from the State Coastal Conservancy on the State Route 37 Baylands Group. Director Fraites stated that the focus was on integrating transportation; restoration planning; protecting and enhancing ecosystem function; and promoting landscape-scale resistance. He added that there is major work to be done to protect the wetlands. Director Fraites reported there are four alternatives for Highway 37, the main is to elevate the causeway, which is still in the discussion stage. Director Fraites also reported Senator Bill Dodd is proposing ways to treat the funding for construction, one of which includes the possibility of a toll road which is controversial, but may be the only way to pay for the project.

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

Director Grossi stated he heard there was talk about moving the road north to Highway 121. Director Fraites replied they were nibbling on that idea along with the idea of a bridge across the bay, in addition to using berms. He noted that the causeway is the way to go since it is the same cost as the berm. Director Petterle stated that he heard talk about private funding for the project at one time. Director Fraites replied that option is no longer available. Director Petterle stated that he also heard construction would be in the next three to four years, commenting he didn't think it would be complete in ten years. Director Fraites reported that one section alone could take five years to complete. Director Petterle noted that the habitat is very sensitive. Director Fraites agreed, but something has to be done about the gridlock. Director Fraites added that he is on the committee for this project as a representative of the Audubon Society.

President Petterle asked if anyone from the public would like to speak and there was no response.

MISCELLANEOUS

The Board received the following miscellaneous items: Disbursements – Dated February

3, 2022, Disbursements – Dated February 10, 2022, Reimbursement Program 2021, Green House Gas Emission Reduction Progress – Reporting Year 2020, County of Marin and City of Novato Paving Moratoriums, and Point Reyes Light- North Marin Water District Summary of Emergency Water Conservation Ordinance No. 39.

The Board received the following news articles: Marin IJ – Districts in Marin on hunt for water – DROUGHT; Marin IJ – Water use rules for West Marin are eased – DROUGHT; Marin IJ – District close to drilling for well – WEST MARIN; Press Democrat – PD Editorial: A two-basin plan is still best bet for North Coast water; Point Reyes Light – NMWD downgraded its drought restrictions for West Marin and Point Reyes Light – North Marin to drill well in March, at double the cost.

The Board received the following social media posts: NMWD Web and Social Media Report – January 2022.

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

Director Grossi announced that that in reference to the resiliency study and water enhancement supply, the District should start looking at supply in West Marin. He noted that we are putting in a new well now, but with additional housing through ABAG we don't know how long that supply will last.

President Petterle asked if anyone from the public would like to speak and there was no response.

ADJOURNMENT

President Petterle adjourned the meeting at 8:42 p.m.

Submitted by

Theresa Kehoe
District Secretary

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MEMORANDUM

To: Board of Directors

February 25, 2022

From: Julie Blue, Auditor/Controller JB

Subj: Drought Surcharge Review—Proposed Revisions to District Regulation 54(a)(3) & (c)(3)
t:\acl\board reports\board memos\2022\drought surcharge study\drought surcharge study.docx**RECOMMENDED ACTION:** Information Only**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 input and questions from the BOD and the public. At the March 15, 2022 board meeting the Board will consider accepting 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. Key milestone dates are shown below:

- **Mar. 15, 2022** Regular Board Meeting - Final Drought Surcharge Study Review and Approval
- **May 2, 2022** Mail Prop 218 Notices
- **June 21 & 28, 2022** Public hearing to enact updated drought surcharges effective July 1, 2022



Date: February 18, 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

	Normal Supply ¹	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
1							
2	Use Reduction Goal -->	(na)	0% to 10%	10% to 20%	20% to 30%	30% to 40%	40% to 50%
3	Modeled Use Reduction -->	0%	5%	15%	25%	35%	45%
	Revenues						
4	Service Charge Revenue	\$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
6	Non-Rate Revenue	\$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
8	(% of normal)		96%	89%	82%	75%	68%
	Expenditures and Transfers						
9	Source of Supply ³	-\$6,141,000	-\$5,747,000	-\$4,958,000	-\$4,170,000	-\$3,382,000	-\$2,593,000
10	Pumping ⁴	-\$561,000	-\$540,000	-\$498,000	-\$456,000	-\$414,000	-\$372,000
11	Other Operations	-\$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
13	Transmission & Distribution	-\$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
15	Water Conservation ⁶	-\$377,000	-\$396,000	-\$434,000	-\$471,000	-\$609,000	-\$647,000
16	General Administration	-\$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
18	Debt	-\$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
20	Funding for Affordability Program	-\$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
22	Revenue Requirement:	-\$23,372,000	-\$22,976,000	-\$22,183,000	-\$21,390,000	-\$20,698,000	-\$19,905,000
23	(% of normal)		98%	95%	92%	89%	85%
24	Surplus/(Deficit) Due to Shortage	\$0	-\$440,000	-\$1,309,000	-\$2,162,000	-\$3,102,000	-\$3,924,000
25	Drought Surcharge ⁸		0%	5%	13%	21%	30%
26	Drought Surcharge Revenue		\$0	\$675,000	\$1,541,000	\$2,147,000	\$2,582,000
27	Capital Spending Reduction			5%	10%	20%	30%
28	Reduction in Capital Spending			\$137,000	\$274,000	\$548,000	\$822,000
29	Strategic Use of Reserves		-\$440,000	-\$497,000	-\$347,000	-\$407,000	-\$520,000

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
1				
2	Use Reduction Goal -->	(na)	15%	25%
3	Modeled Use Reduction -->	0%	15%	25%
	Revenues			
4	Service Charge Revenue	\$242,000	\$242,000	\$242,000
5	Quantity Charge Revenue ²	\$809,000	\$683,000	\$599,000
6	Non-Rate Revenue	\$98,000	\$98,000	\$98,000
7	Total Revenues:	\$1,149,000	\$1,023,000	\$939,000
8	(% of normal)		89%	82%
	Expenditures and Transfers			
9	Source of Supply	-\$28,000	-\$28,000	-\$28,000
10	Pumping ³	-\$76,000	-\$71,000	-\$68,000
11	Other Operations	-\$79,000	-\$79,000	-\$79,000
12	Water Treatment ⁴	-\$165,000	-\$160,000	-\$157,000
13	Transmission & Distribution	-\$168,000	-\$168,000	-\$168,000
14	Consumer Accounting	-\$26,000	-\$26,000	-\$26,000
15	Water Conservation ⁵	-\$4,000	-\$24,000	-\$44,000
16	General Administration	-\$64,000	-\$64,000	-\$64,000
17	Debt	-\$71,000	-\$71,000	-\$71,000
18	Capital	-\$443,800	-\$443,800	-\$443,800
19	Forecasted Change in Fund Balance ⁶	-\$24,200	-\$24,200	-\$24,200
20	Revenue Requirement:	-\$1,149,000	-\$1,159,000	-\$1,173,000
21	(% of normal)		101%	102%
22	Surplus/(Deficit) Due to Shortage	\$0	-\$136,000	-\$234,000
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 1, 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)

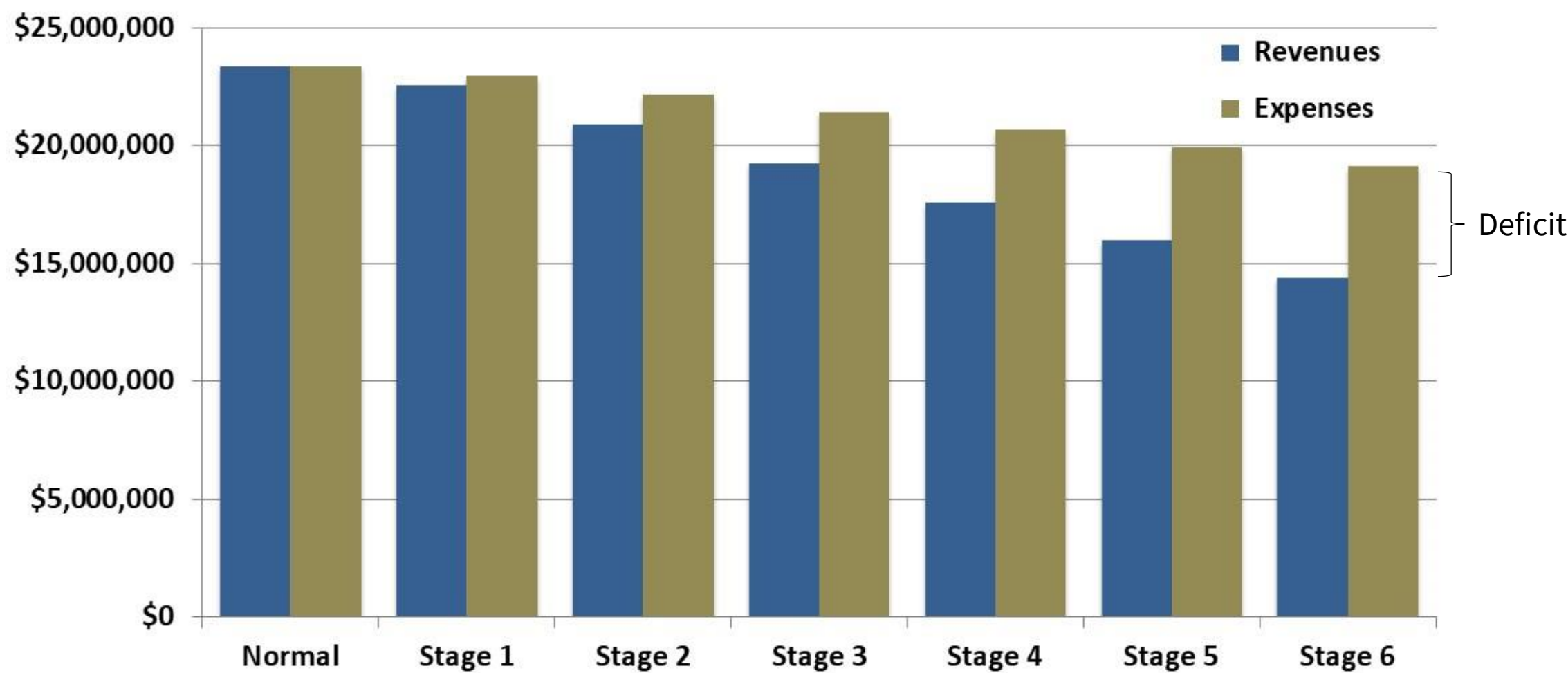
The proposed changes to the drought surcharges include:

- 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

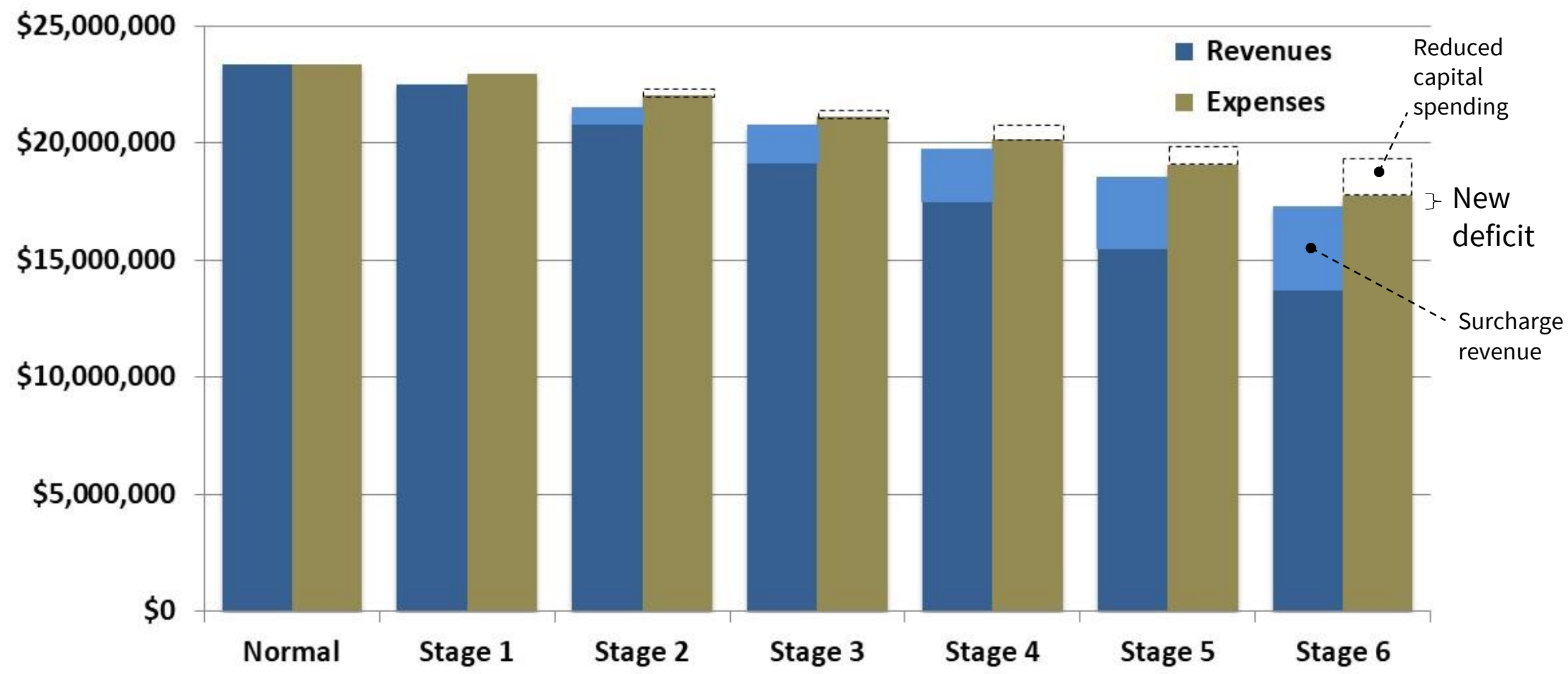
Novato Water Drought Surcharge Analysis

Use Reduction Goal -->		0% to 10%	10% to 20%	20% to 30%	30% to 40%	40% to 50%	> 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 Mitigating Measures



Novato Water with Mitigating Measures

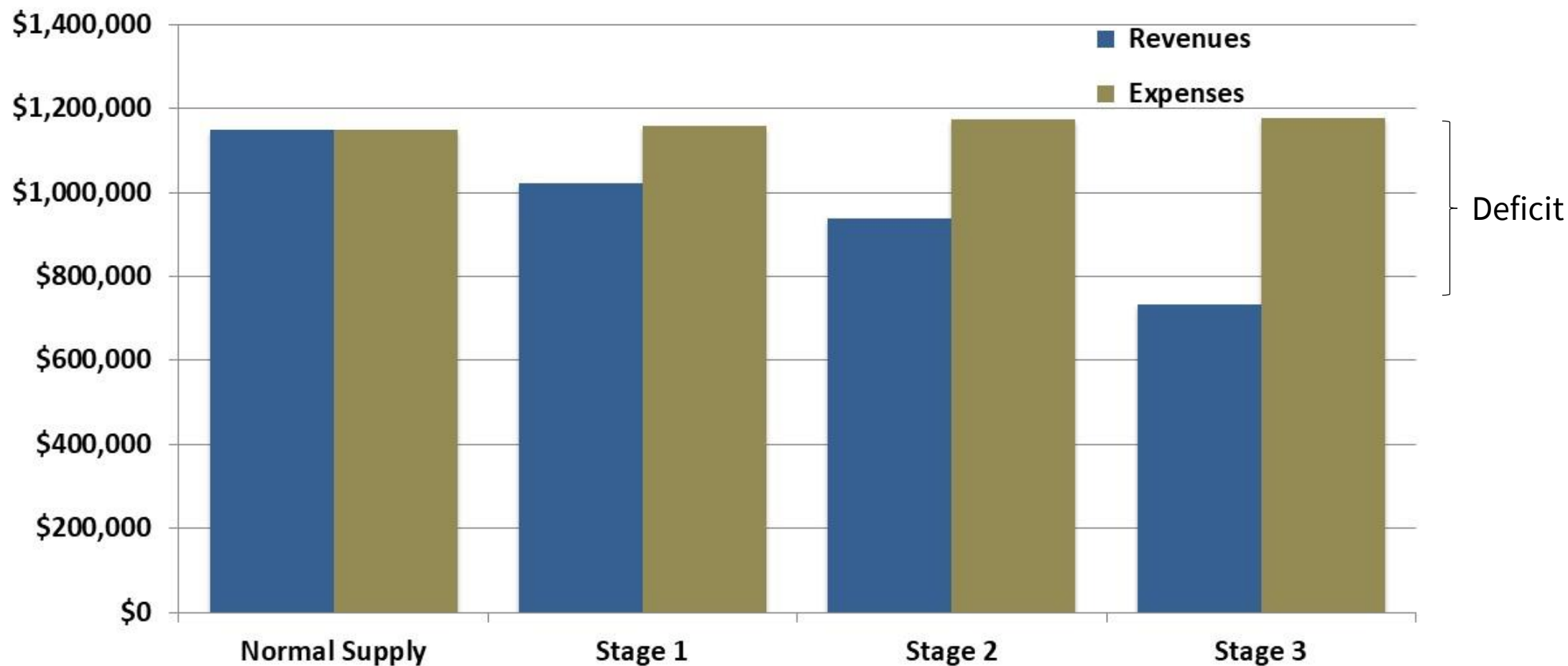


West Marin Drought Surcharge Analysis

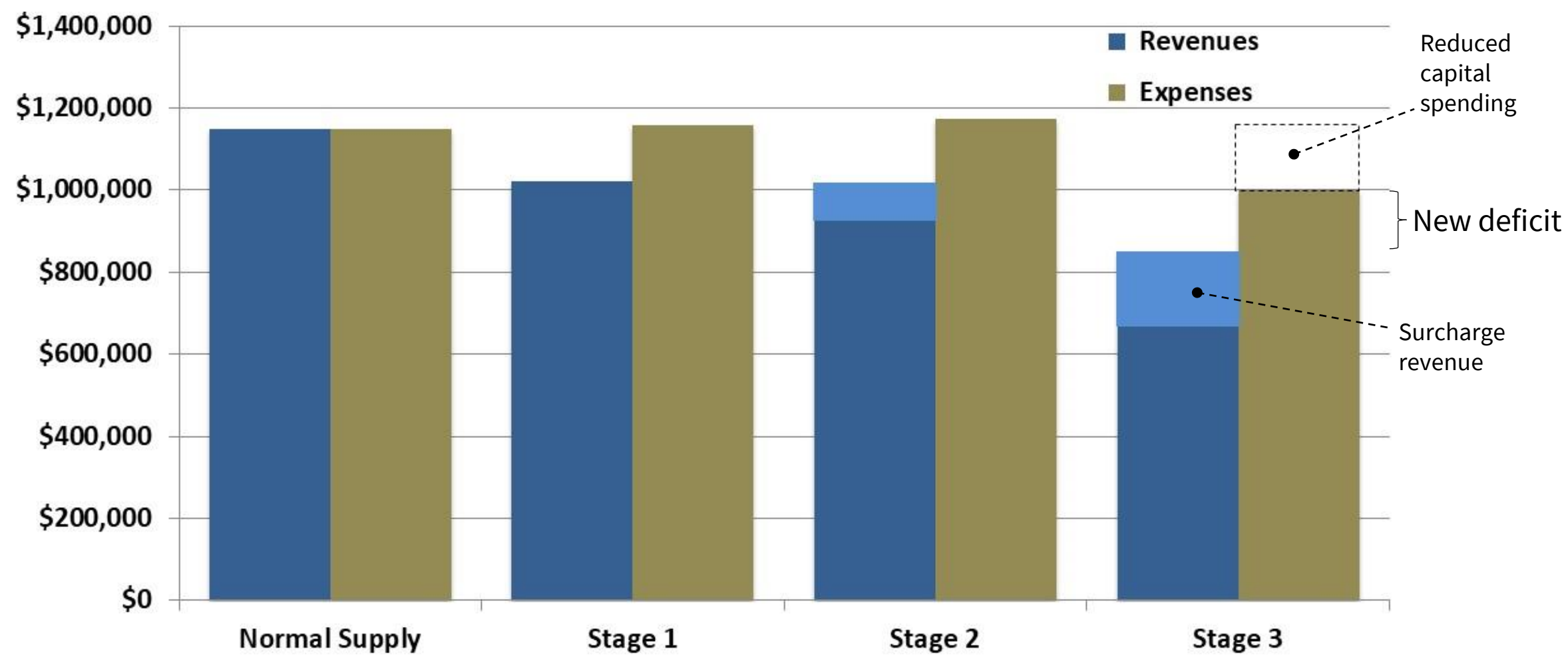
Use Reduction Goal -->	15%	25%	50%
Assumed Water Use Reduction -->	15%	25%	50%
Drought Surcharge -->	0%	13%	30%

	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

- Final Drought Surcharge Study Review and Approval March 15, 2022
- 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

6

MEMORANDUM

To: Board of Directors

February 25, 2022

From: Tony Williams, Assistant GM / Chief Engineer 

Subject: FY2021/22 Second Quarter Progress Report – Engineering Department

R:\CHIEF ENG\WILLIAMS\BUDGETS\FY21-22\2nd Quarter\2nd Qtr FY21-22 BOD Memo FINAL.doc

RECOMMENDED ACTION: Information Only**FINANCIAL IMPACT:** None

The primary purpose of this memorandum is to provide a status report to the Board on the District's performance in completing budgeted FY2021/22 Capital Improvement Projects (CIPs) in Novato and West Marin (including Oceana Marin) service territories as well as an overview of Special Studies managed by the Engineering Department. The memorandum also provides a summary of the total Engineering labor hours expended for both CIP and Developer projects.

There continues to be a significant number of developer projects either in design or in construction in FY2021/22 which continue to have an overall impact on the District's ability to execute the planned CIP projects based on current staffing. On average, the Department receives approximately five planning-level or building permit project referrals each week. As of the second quarter, there were 13 active developer projects managed by the Engineering Department.

A summary of the District's CIP expenditures for all service areas, including several "placeholder" budget line items such as "Other Main/Pipeline Replacements" that are used as the need arises through the course of the fiscal year is provided in Table 1.

Table 1 CIP Cost Summary

Service Areas	CIP Project Costs (\$)		% Complete (2 nd Qtr)	
	Budget (\$)	Actual (\$)	Planned	Actual
Novato Water	8,475,000	1,704,720	30	28
Novato Recycled	100,000	28,858	15	14
West Marin (including OM)	2,675,000	222,309	35	20
TOTAL	11,250,000	1,955,887	15	17

A summary of the various Special Studies undertaken by the Engineering Department is provided in Table 2. These studies have required significant Engineering Department

resources, use of outside consultants, as well as time and effort from key Operations and Construction staff.

Table 2 Costs of Special Studies

Study Name	Costs (\$)		% Complete (2 nd Qtr)	
	Budget (\$)	Actual (\$)	Planned	Actual
Local Water Supply Enhancement Study	\$225,000	\$113,440	50%	50%
Kastania Pump Station Rehabilitation (MMWD)	\$0	\$72,023	95%	90%
Recycled Water Program Strategy	\$0	\$8,795	95%	95%

In addition to the formal studies identified above, Engineering staff as well as key staff from other Departments are involved in significant projects led by external agencies such as the development of the former Coast Guard Housing site in Point Reyes Station and a wastewater treatment feasibility study for Dillon Beach (both County of Marin). These efforts are not currently established District projects under the CIP program but may result in future ones.

Performance Status for CIP

A total of twenty-four (24) CIPs were originally budgeted in FY2021/22 for the Novato, West Marin Water and Oceana Marin (OM) service areas; but, since the beginning of the fiscal year, twelve (12) new projects were added, and five (5) were carried over from the prior year, for a total of forty-one (41) projects. Of these 41 projects, 30 are under the lead responsibility of the Engineering Department for completion (23 in Novato and 7 in West Marin). The remaining projects are under the responsibility of the other departments but in general there is continuous collaboration between the various departments. A summary and status of all 41 projects (28 Novato, 3 Recycle and 10 West Marin), including annual placeholder projects that may not have been implemented is provided in Table 3.

Table 3 Novato Service Area				
DESCRIPTION	PROJECT COSTS As of Dec 31, 2021		% COMPLETE	
	Budget	Actual	Forecast	Actual
<i>Replace 12" CI Pipe-Grant Ave (785 lf)</i>	\$0	\$2,920	100	100
<i>Replace 6" ACP Pipe (810') Glen Rd</i>	\$0	\$27,808		100
Novato Blvd Widening Diablo to Grant	\$200,000	\$23,314	10	12
Remove/Replace 12" Valves-Center Rd	\$0	\$0	10	0
Replace 12" CI Pipe on Olive Ave (~875lf)	\$0	\$0	-	-

Table 3 Novato Service Area				
DESCRIPTION	PROJECT COSTS As of Dec 31, 2021		% COMPLETE	
	Budget	Actual	Forecast	Actual
San Mateo Transmission Pipeline (1,500')	\$850,000	\$1,026	0	1
Replace PB-San Marin Dr/Ignacio Blvd	\$0	\$2,551	0	5
<i>MSN B2 Utility Agreement Costs</i>	<i>\$0</i>	<i>\$8,415</i>	-	-
Detector Check Assembly Repair/Replace	\$100,000	\$18,305	15	18
Anode Installations	\$10,000	\$0	0	0
San Marin Aqueduct Valve Pit (STP to Zone 2)	\$150,000	\$11,085	5	7
Rehab Black Pt Pressure Regulating Station	\$25,000	\$4,719	15	19
Rehab Harbor Dr Pressure Regulating Station	\$25,000	\$0	0	0
Frosty Lane Intertie Ball Valve Upgrade	\$0	\$0	-	-
Large Commercial Water Meter Replacements	\$0	\$0		
Office and Laboratory Renovation	\$3,475,000	\$854,445	15	25
Dam Concrete Repair	\$50,000	\$0	0	0
Leveroni Creek Embankment Repair	\$175,000	\$13,950	5	8
STP – Chemical System Upgrades	\$75,000	\$0	0	0
Filter Underdrain/Media R&R	\$20,000	\$0	0	0
<i>STP – High Service Pump #3 Replacement</i>	<i>\$0</i>	<i>\$733</i>	-	5
STP- High Service PS Pipe Repair	\$0	\$1,978	-	25
Old Ranch Rd Tank No. 2	\$1,600,000	\$651,451	45	40
Hydro-pneumatic Tank Repairs	\$130,000	\$46,302	30	36
Lynwood Pump Station Motor Control Center	\$525,000	\$284	15	0
Crest PS Design/Construct, Rel. School Rd PS	\$375,000	\$10,275	2	3
Trumbull PS/Replace Discharge Flange	\$0	\$10,612	-	75
Crest Tank Radio Building-Roof	\$0	\$14,547	-	95
Various Placeholder Line Items	\$690,000	-	-	-
Subtotal (Novato)	\$8,475,000	\$1,704,720	30	28
RW Replace CI on Atherton Ave (1320 lf)	\$50,000	\$0		
RW Carwash Retrofit -128 Vintage Way	\$0	\$2,825		
RW Truck Filling Load Expansion 2021	\$0	\$26,033		
Recycled Water Placeholder	\$50,000			
Total Novato and Recycled Water	\$8,575,000	\$1,733,578	30%	28%

Table 3 West Marin Service Area				
DESCRIPTION	PROJECT COSTS As of Dec 31, 2021		% COMPLETE	
	Budget	Actual	Forecast	Actual
West Marin Water System Improvements				
<i>Replace PRE Tank #4A</i>	\$0	\$41,554	-	100%
New Gallagher Well #2	\$631,000	\$93,653	25	15
Gallagher Ranch Streambank Stabilization	\$4,000	\$2,303	100	100
Lagunitas Ck Bridge Pipeline Repl (Caltrans)	\$400,000	\$4,258	15	1
Silver Hills Culvert Replacement	\$0	\$44,226	-	100
WM Placeholder – PB replacement	\$50,000		-	-
Subtotal (West Marin)	\$1,085,000	\$185,994	35	17
Oceana Marin Sewer System				
Infiltration Repair	\$40,000	\$31,350	50	100
Tahiti Way Lift Pump 1 Assembly	\$100,000	\$0	25	0
OM Treatment Pond Rehabilitation	\$1,450,000	\$2,911	5	0
OM Treatment Pond Rehab – Grant Management*	\$0	\$2,054	-	-
Replace OM Generator		\$0	-	-
Subtotal (Oceana Marin)	\$1,590,000	\$36,315	10	0
Total West Marin	\$2,675,000	\$222,309	35	20

Table Notes:

Carry forward projects in italics

New projects added (**indicated in bold**)

Line items in gray font are placeholders (only total budget shown)

*required for tracking grant-funded management costs

Of the total 31 Novato Service Area CIP projects, twenty (20) are currently active, including Old Ranch Road Tank No. 2 which is under construction and approximately 40% complete. The project design is completed for two major projects: San Mateo Tank 24-inch Transmission Line, and the Crest Pump Station and grant applications have been submitted for these two projects as well as the Leveroni Creek Embankment Repair project. Significant progress on the engineering evaluations and design effort was made on the Black Point Pressure Regulating Station, Hydropneumatic Tank Repairs, Office Building and Laboratory Renovation, and the Novato Boulevard Widening projects this quarter. The addition of new projects added in the first half of the fiscal year has impacted the initiation of work on other budgeted projects.

Of the total ten (10) West Marin CIP projects, two (2) major projects have completed designs and are ready for construction; Gallagher Well No. 2 and the Oceana Marin Pond

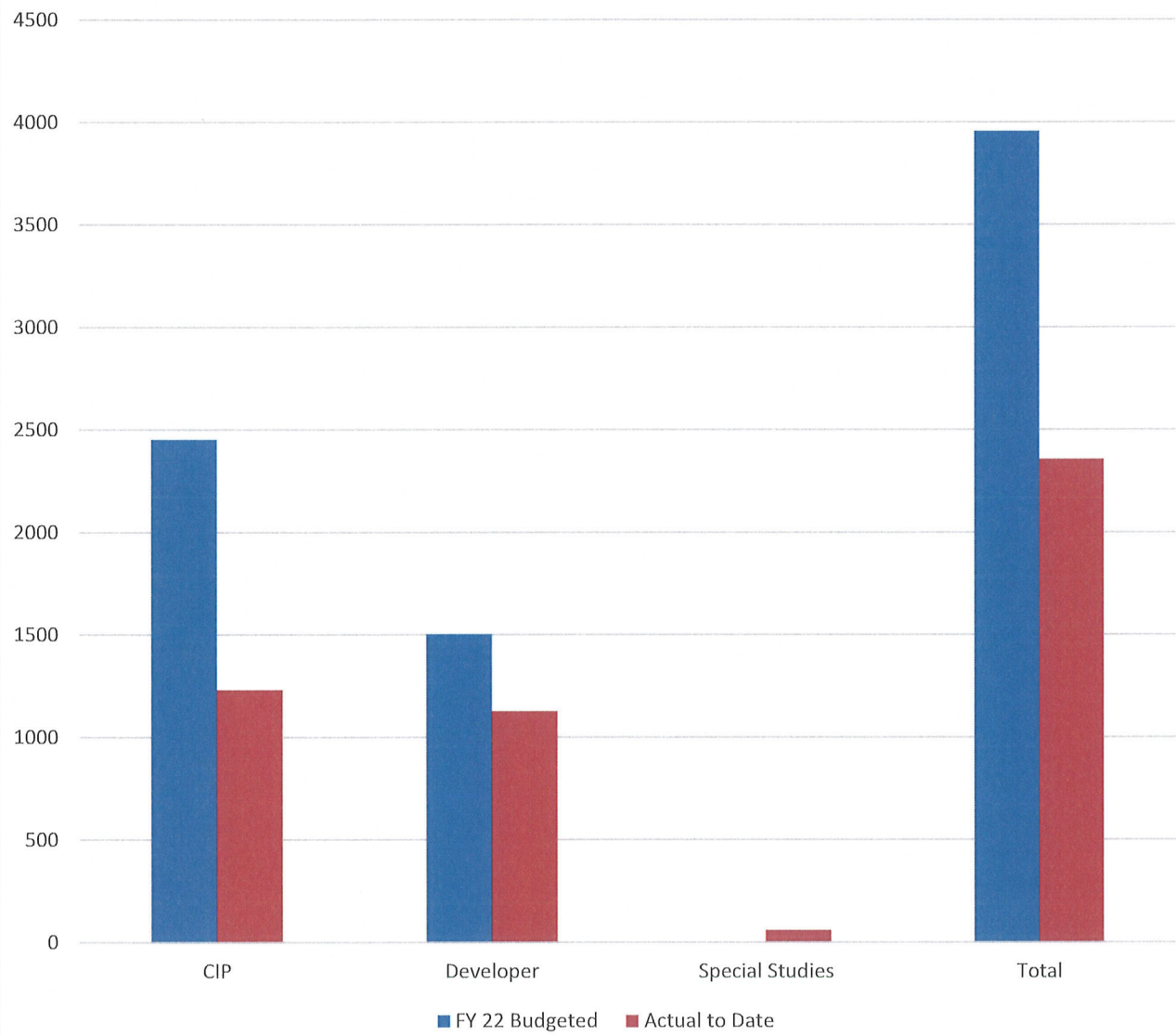
Rehabilitation projects. The OM Pond Rehabilitation project is awaiting final approval from Cal OES and FEMA for construction while the Gallagher Well No. 2 Phase 1 construction was awarded in early February and is expected be completed in the 3rd quarter, followed by Phase 2 construction. Completed projects this quarter include the Silver Hills Culvert Replacement (a new project added to the CIP this year); one carry-forward project, PRE Tank 4, and one budgeted project, OM Infiltration Repair.

Engineering Department Labor Hours

The Engineering Department provides a multitude of functions supporting overall operation, maintenance and expansion of water facilities. The major work classifications are: (1) General Engineering, (2) Developer Projects and (3) District (i.e., CIP) Projects. Out of the approximately 15,640 engineering labor hours available annually (less Conservation), the FY2021-22 labor budget for Developer Projects and District Projects is 1,504 (10% of total) and 2,452 (16% of total), respectively. A chart of actual hours expended versus budgeted hours for both Developer and District projects through the second quarter FY2021-22 is provided in Attachment 1. At the end of the second quarter, actual engineering labor hours expended for Developer work was 1,127 hours (versus 962 hours in FY2020-21) which is 75% of budget. With respect to District Projects, a total of 1,230 engineering labor hours have been expended (versus 1,587 hours in FY2020-21) on Capital Improvement Projects, which is 50% of budget.

During this first quarter, the Engineering Department relied on outside consultants for assistance on many of the CIP projects throughout all service areas. Out of the total CIP expenditure of \$1,955,887, approximately \$963,000 was consultant expense through the second quarter (49%). The majority of consultant time was used on one major project: The Office Building and Laboratory Renovation project.

Engineering Department Actual Hours 2nd Qtr versus FY Budget



7

MEMORANDUM

To: Board of Directors

February 25, 2022

From: Ryan Grisso, Water Conservation Coordinator *RG*

Subject: FY 2021-22 Second Quarter Progress Report – Water Conservation

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RECOMMENDED ACTION: Information**FINANCIAL IMPACT:** NoneWater Conservation

This memo provides an update on water conservation and public outreach activities implemented during the first half of Fiscal Year 2021/2022 (FY 22). Water Conservation participation numbers for the first half of the current and previous two fiscal years are summarized in Table 1 below.

Table 1: Water Conservation Program Participation (July through December)

Program	FY20	FY21	FY22
Water Smart Home Surveys	83	0	5
Water Smart Commercial Surveys	1	0	0
Toilet Replacements (Residential)	80	59	71
Toilet Replacements (Commercial)	0	3	2
Retrofit on Resale (Dwellings Certified)	103	121	78
High Efficiency Washing Machine Rebates	6	11	25
Cash for Grass Rebates	8	7	47 ¹
Water Smart Landscape Rebates	8	5	8
Smart Irrigation Controller Rebates	8	17	8
Pool Cover Rebates	2	1	41
Hot Water Recirculation Rebates	0	0	9

¹ Cash for Grass participants removed 29,298 square feet in FY22 compared to 4,965 square feet in FY21.

Water Conservation Programs

Water conservation participation has increased significantly in the first half of this fiscal year mainly due to customer drought response and the increase in rebate levels approved by the Board in May 2021. The notable increases in participation are the Cash for Grass, High Efficiency Toilet, High Efficiency Washing Machine Rebate and Swimming Pool Cover Rebate Programs. The Retrofit on Resale Program has declined slightly this fiscal year suspected to be

caused by lower inventory of homes being sold in the service area in the first half of the fiscal year. The Water Smart Home Survey (WSHS) Program, which was essentially put on hold (for in-person home visits) due to COVID-19, has resumed recently with the training of new technicians to perform these surveys and staff expects an increase in participation in the second half of the fiscal year. Staff does continue to offer water use consultations by phone and site visits for brief leak or irrigation related issues. Increased social media posts and presence along with other communications actions, in combination with the higher rebate levels, should continue to generate higher participation in all programs.

Public Outreach and Conservation Marketing

In the first half of FY22, the District continued working with Kiosk to implement the public communications plan (or public outreach plan) in response to a goal from the Strategic Plan, and continued the enhanced social media campaign with twice weekly posts in Facebook, Twitter and Instagram. These posts include everything from Board Meeting advertisements, to historically significant events, to conservation programs and many others planned over the year. Additionally, specific posts on water use prohibitions and water conservation tips were created in response to the drought situation. The District continues to monitor and review the new website and make changes and updates as needed to keep it fresh and easily navigable. This includes the customized drought page created for each service area. Most notably the website news stories are being updated regularly and the rotating news flash on the front page is adjusted for the most pertinent news stories for the given time period.

Water supply development messaging was created to inform customers of the projects the District is currently working on to examine and develop new water supplies in the region and locally. This campaign included a social media campaign a series of Marin IJ advertisements and website news stories and updates, culminating with a water supply workshop in late January 2022.

The WaterSmart AMI dashboard and customer portal was used as a public outreach tool to help inform customers on water use patterns and leaks and has also used the group messenger function to deploy group emails to customers. The portal has been a useful tool to alert customers to turning off their irrigation during and after rainfall events and also to communicate with customers who may be irrigating on the wrong day of the week and remind customers to turn off their irrigation system with incoming rain forecasted.

In August, a summer mailer was sent out to customers in both the Novato and West Marin Service Areas reminding customers of the drought and water use prohibitions in effect, along with providing some water savings tips appropriate for the summer time. A Fall Waterline newsletter was

developed for both Novato and West Marin Service Areas and mailed in October.

All of the outreach efforts (including social media, website, print-ads and newsletters) for the preceding month are provided to the Board in a report on the miscellaneous calendar typically at the second meeting of each month.

Budget and Staffing

Table 2 summarizes the first half expenditures between the three fiscal years for (July-September). FY22 expenditures are significantly higher than FY21 and higher than FY20 due to increased rebate program participation (mainly the Cash for Grass Program), and increased communication and public relations efforts during the current drought.

Table 2: Water Conservation and Outreach Expenditures (July through December: FY 2020 - 2022)

	FY 20	FY 21	FY 22
Total Budget	\$390,000	\$390,000	\$377,000
July-December Actual	\$152,439	\$146,692	\$222,800

Staffing

Water Conservation continues to be staffed by one full time Water Conservation Coordinator and one part time Water Conservation Technician. The District also has a partnership with Sonoma County Water Agency (SCWA) through the Sonoma-Marin Saving Water Partnership to implement and staff some of the District Water Conservation Programs including the WSHS program (estimated at 250 hours per quarter), however SCWA staff has had very limited involvement with the District programs during the COVID-19 period. SCWA has hired a new technician to perform the WSHS and is in the process of training that new staff member.

8

MEMORANDUM

To: Board of Directors

February 25, 2022

From: Julie Blue, Auditor-Controller *JB*

Subj: Initial Review SCWA FY23 Water Transmission System Budget
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RECOMMENDED ACTION: None - Information Only

FINANCIAL IMPACT: Increase of \$53.29 (5.09%) per Acre-Foot

Attached is the draft Sonoma County Water Agency Water Transmission System budget (Attachment 1) for Fiscal Year 2022/2023 (FY23). The budget proposes NMWD water purchases at \$1,100.63 per acre-foot, versus \$1,047.34 per acre-foot this current fiscal year (page 2), an increase of 5.09%. This draft is being provided as information only in advance of the March 15, 2022 board meeting at which time Lynne Rosselli, Finance Manager for the Sonoma County Water Agency, will present the 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	\$38.69	\$8.15
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	\$6.02	\$1.17
Totals	\$56.11	\$71.85	\$15.74
Grants, Use of Fund Balance, and Bond Proceeds	\$8.49	\$15.24	\$6.75

Changes made since January 21, 2022 Draft Water Transmission Budget: reduced costs by \$1.4 million:

- Decreased rate increase from 9.99% to 6.84% (Santa Rosa and Petaluma Aqueducts) and 6.42% (Sonoma Aqueduct).
- Decreased costs in operations and maintenance by \$1.17M.
- Decreased debt service costs by \$300,000. Bond issuance costs moved to FY21-22.
- Increased use of fund balance in Subfunds by \$2.33M, but also increased Water Conservation Rate to maintain positive fund balance.
- Increased costs by \$2.51M for Dry Creek Habitat Enhancement Phase 4.

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: \$3.06M

- 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 - \$39.87M

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	\$814.84	\$814.84	\$814.84
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	\$895.75	\$895.75	\$895.75
Storage & Common Bond/Loan Charges	\$153.11	\$153.11	\$153.11
Sonoma Aqueduct Bond/Loan Charge			\$131.87
Prime Contractors	\$1,048.86	\$1,048.86	\$1,180.72
<u>Discretionary Charges</u>			
Capital Charges - to build fund balance for future projects	\$20.00	\$20.00	\$38.00
Total Prime Contractors	\$1,068.86	\$1,068.86	\$1,218.72
Total Overall Increase:	6.84%	6.84%	6.42%

- **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	\$128.92	18.8%	Increase due to cathodic protection projects and tank recoat projects.
Revenue	\$2,427,000	5.1%	Increase in revenue is attributable to the rate increase.
Expenditures	\$2,787,000	5.1%	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	(\$5,003,000)	-32.2%	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	19573.1%	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 \$20 per Acre-Foot charge for the Santa Rosa and Petaluma Aqueducts, and \$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):**
 - 6.84% (Santa Rosa and Petaluma Aqueducts); 6.42% (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
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:						
	Santa Rosa	Petaluma	Sonoma				Percent Change
	Aqueduct	Aqueduct	Aqueduct	FY21-22			
				SR	Pet	Son	
O&M Charge [4.2]	814.84	814.84	814.84	\$685.92	\$685.92	\$685.92	18.80%
Water Management Planning Sub-charge [4.13]	0.20	0.20	0.20	\$0.00	\$0.00	\$0.00	19573.09%
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	895.75	895.75	895.75	\$863.95	\$863.95	\$863.95	3.68%
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%
PRIME CONTRACTORS	\$1,048.86	\$1,048.86	\$1,180.72	\$980.46	\$980.46	\$1,107.18	6.98%
Capital Charges - to build fund balance for future projects	20.00	20.00	38.00	\$20.00	\$20.00	\$38.00	0%
PRIME CONTRACTORS	20.00	20.00	38.00	\$20.00	\$20.00	\$38.00	0%
TOTAL PRIME CONTRACTORS	\$1,068.86	\$1,068.86	\$1,218.72	\$1,000.46	\$1,000.46	\$1,145.18	6.84%
Increase from Fiscal Year 2021/2022	6.84%	6.84%	6.42%	3.47%	3.47%	3.43%	
With No Capital Charge	4.84%	4.84%	3.10%				

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]	814.84	\$685.92	18.80%
Water Management Planning Sub-charge [4.13]	0.20	\$0.00	19573.09%
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	895.75	\$863.95	3.68%
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%
<i>TOTAL NMWD</i>	\$1,100.63	\$1,047.34	5.09%

	Rates	Rate Increase
Town of Windsor	\$1,068.86	6.84%
Town of Windsor (Diverted Water)	\$80.90	-54.56%
NMWD	1,100.63	5.09%
MMWD	\$1,315.71	6.36%

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	1068.86	6.84%	1068.86	6.84%	1218.72	6.42%
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	\$1,068.86	\$68.40	6.84%
Petaluma Aqueduct	9,415	1,000.46	1,068.86	\$68.40	6.84%
Sonoma Aqueduct	4,037	1,145.18	1,218.72	\$73.54	6.42%
North Marin Water District	6,455	1,047.34	1,100.63	\$53.29	5.09%
Marin Municipal – Fourth Off Peak	4,300	1,237.08	1,315.71	\$78.63	6.36%
Marin Municipal – Supplemental	2,297	1,237.08	1,315.71	\$78.63	6.36%
Forestville Aqueduct	400	1,000.46	1,068.85	\$68.39	6.84%
Wholesale/Municipal	1,052	1,374.21	1462.454	\$88.24	6.42%
Surplus	76	1,036.74	1,074.90	\$38.16	3.68%
Windsor	463	1,000.46	1,068.86	\$68.40	6.84%
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>	\$814.84	\$814.84	\$814.84
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	\$895.75	\$895.75	\$895.75
 <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]	20.00	20.00	38.00
LRT2 - included in Recycled Water & Local Supply Sub-Charge above.			
TOTAL PRIME CONTRACTORS	\$1,068.86	\$1,068.86	\$1,218.72
Charge without LRT2 and voluntary AQ Capital Charge	\$1,048.86	\$1,048.86	\$1,180.72
OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES			
(WATER CO'S & PUBLIC AGENCIES)			
O&M Charge	\$895.75	\$895.75	\$895.75
Capital Charges	153.11	153.11	284.97
Aqueduct Facilities Capital Charge [4.12]	\$413.59	\$413.59	\$281.74
TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12)	\$1,462.45	\$1,462.45	\$1,462.45
(120% OF HIGHEST PRIME)			
FORESTVILLE			
			0.05
O&M Charge [4.2] *	\$814.84		
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	\$895.75		
<u>Bond & Loan Charges - to pay for existing debt service</u>			
Aqueduct Facilities Capital Charges [4.6]	20.00		
Storage Facilities Capital Charge [4.7]	26.55		
Common Facilities Capital Charge [4.8]	126.56		
<i>Total Capital Charges</i>	\$173.11		
TOTAL FORESTVILLE	\$1,068.85		
* 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		\$895.75	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		1,100.63	
FOURTH OFF-PEAK (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$1,186.43	
Russian River Conservation Charge		115.36	
Russian River Projects Charge		13.92	
TOTAL FOURTH OFF-PEAK		\$1,315.71	
SUPPLEMENTAL (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$1,186.43	
Russian River Conservation Charge		115.36	
Russian River Projects Charge		13.92	
TOTAL SUPPLEMENTAL		\$1,315.71	
SURPLUS			
Non-Municipal / Municipal [4.11 (a)]	\$1,074.90	\$1,074.90	\$1,074.90
(120% of O&M Charge)			
Town of Windsor		\$1,068.86	
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)].			
	\$1,068.86		

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	\$57,335,245
	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		10,552,176
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

$$= \frac{38,570,069 - (4,300.00 \times 1015.13) - (2,296.85 \times 1015.13)}{45,747.8 - 34.9 - 6,596.8}$$

* = 814.84

FY22-23
Proposed Water Rates

	<u>FY21-22</u>	<u>FY22-23</u>	
	(Actual)	(Proposed)	% Change
O&M Charge	685.92	814.84	18.80%
Water Management Planning Sub-Charge	0.00	0.20	19573.09%
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	895.75	3.68%

Santa Rosa Aqueduct Rate

O&M Charge	863.95	895.75	3.68%
Aqueduct Facilities Capital Charges [4.6 e]	20.00	20.00	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%
TOTAL	1000.46	1068.85	6.84%

Petaluma Aqueduct Rate

O&M Charge	863.95	895.75	3.68%
Aqueduct Facilities Capital Charges [4.6 e]	20.00	20.00	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%
TOTAL	1000.46	1068.85	6.84%

Sonoma Aqueduct Rate

O&M Charge	863.95	895.75	3.68%
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	1218.72	6.42%

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	1341.2	2161.8	25.8	251.8	3,780.6
11	Feb-21	1137.9	1750.8	20.3	176.2	3,085.1
10	Mar-21	1066.4	2050.6	21.7	170.9	3,309.6
9	Apr-21	1617.8	3025.1	36.1	373.9	5,052.9
8	May-21	1402.9	2533.3	40.4	388.6	4,365.2
7	Jun-21	1450.2	2468.5	40.2	421.5	4,380.3
6	Jul-21	1863.3	2297.6	51.0	466.7	4,678.6
5	Aug-21	1507.9	1705.1	39.5	315.6	3,568.1
4	Sep-21	1455.3	1654.3	36.8	298.1	3,444.4
3	Oct-21	1514.3	1842.1	36.7	306.9	3,700.0
2	Nov-21	968.6	1552.0	17.4	215.8	2,753.9
1	Dec-21	1228.0	2149.4	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 No.														***** DELIVERING AQUEDUCT *****					
														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	Aug 2021	1,176.8	0.0	268.2	1,445.0
OTHER AGENCY CUSTOMERS														Sep 2021	1,083.9	0.0	310.7	1,394.6	
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	Oct 2021	1,115.4	0.0	334.2	1,449.7
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	Nov 2021	791.5	0.0	131.0	922.5
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	Dec 2021	1,019.0	0.0	158.1	1,177.1
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	TOTAL SANTA ROSA				
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		13,139.9	0.0	2,701.3	15,841.3
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	OTHER PRIME CONTRACTORS (B)				
2	Other Gov-Petaluma Aq	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CITY OF PETALUMA	0.0	7,086.8		7,086.8
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	NORTH MARIN WATER DISTRICT		7,331.7		7,331.7
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	CITY OF ROHNERT PARK	18.9	2,383.3		2,402.2
OFF-PEAK CUSTOMERS														CITY OF COTATI	6.3	555.0		561.3	
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	TOWN OF WINDSOR	462.5			462.5
SURPLUS CUSTOMERS														CITY OF SONOMA			1,561.6	1,561.6	
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	VALLEY OF THE MOON DISTRICT			1,878.9	1,878.9
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	TOTAL OTHER PRIME CONTRACTORS	487.8	17,356.8	3,440.5	21,285.1
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	TOTAL DELIVERIES TO PRIMES				
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		13,627.7	17,356.8	6,141.8	37,126.3
TOTAL DELIVERIES														LESS: NORTH MARIN					
		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			(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	814.84	30,982,844
2 OTHER AGENCY CUSTOMERS	1,051.6	1,381.55	1,452,839
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	1,015.13	4,365,048
4 MARIN MUNICIPAL (SUPPLEMENTAL)	2,296.8	1,015.13	2,331,591
5 SURPLUS CUSTOMERS	76.3	993.99	75,837
TOTAL WATER SALES - O&M	45,747.8	N/A	\$39,208,159

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	814.84	14,497,111

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	20.00	355,825
<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	\$3,079,767

TOTAL ESTIMATED REVENUE

\$19,016,277

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	814.84	19,164,596

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	20.00	470,387
<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	\$4,071,328

TOTAL ESTIMATED REVENUE

\$25,138,751

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
<u>WATER SALES - O&M</u>			
1 SONOMA AQUEDUCT	4,036.8	814.84	3,289,334

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]	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
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	4,036.8	38.00	153,397
<u>BOND AND LOAN CAPITAL CHARGES</u>			
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

\$4,919,695

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	39,208,159	6,136,900	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	431,961	(17,168)	(3.82%)
45328 Petaluma Aqueduct Cap Chg	393,620	228,308	253,676	258,713	5,037	1.99%
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	49,860,335	2,427,171	5.12%

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	49,896,335	2,427,171	5.11%

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
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	26,997,198	13,002,161	15,554,939	10,552,176	(5,002,763)	(32.16%)
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	26,997,198	13,002,161	15,554,939	10,552,176	(5,002,763)	(32.16%)
<u>APPROP. FOR CONTINGENCIES</u>						
55011 Appropriation for Contingency	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>REMIBURSEMENTS</u>						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>ADMIN. CONTROL ACCOUNT</u>						
59004 Administrative Control Account	0	0	0	0	0	N/A
59005 Admin Control Acct Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	59,128,550	59,367,586	54,548,404	57,335,245	2,786,841	5.11%
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		8,085,460		

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

9,676,517
(1,591,057)

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.					

2022-23

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
		\$ 3,286,389

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
		(1,470,000)
		\$ 11,559,826

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

2/22/2022

Water Transmission Budget

2022-23

Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY22-23
Landscape Resiliency: 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

2/22/2022

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
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BEGINNING FUND BALANCE	7,881,399	8,399,534		7,955,063		
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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	431,961	(17,168)	(3.82%)
47102 Transfers In - btw Govtl	0	0	0	0	0	N/A
SUBTOTAL	609,535	449,129	449,129	431,961	(17,168)	(3.82%)

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	458,361	(17,168)	(3.61%)
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EXPENDITURES

OTHER CHARGES

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

FIXED ASSETS

19820 Machinery and Equipme	0	0	0	0		
19822 Mobile Equipment	0	0	0	0		
19824 Computer Equipment	0	0	0	0		
19831 CIP - Bldg & Impr	0	0	0	0		
19832 CIP - Infrastructure	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		8,363,425		

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	258,713	5,037	1.99%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	393,620	253,676	253,676	258,713	5,037	1.99%
TOTAL REVENUES	660,165	2,300,011	286,796	291,833	5,037	1.76%
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		6,429,724		

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 Ca	0	0		0		
Princ. Pymnt on loan from SR Aqueduct C	0	0		0		
Advances	0	0		0		
Outstanding Encumbrances - Net Change	0	0		0		
PY CIP adjustment - reclass to PY Exp	0	0		0		
B & I Tsfrs	0	0		0		
LTD Proceeds	0	0		0		
Sold Asset	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						
<u>USE OF MONEY / PROPERTY</u>						
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%
<u>CHARGES FOR SERVICES</u>						
45062 Construct/Bldg Permit Rvw Svc	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
<u>MIECELLANEOUS REVENUES</u>						
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
<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	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%

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
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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						
<u>USE OF MONEY / PROPERTY</u>						
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%
<u>OTHER FINANCING SOURCES</u>						
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						
<u>OTHER CHARGES</u>						
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%)
<u>OTHER FINANCING USES</u>						
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%
<u>ADMIN. CONTROL ACCOUNT</u>						
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
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BEGINNING FUND BALANCE	\$0	(\$0)		(\$0)		
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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	(392)	0	0	0	0	N/A
SUBTOTAL	(392)	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	(392)	0	0	0	0	N/A

EXPENDITURES

OTHER FINANCING USES

57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	0	0	0	0	N/A

Adjustments to Reserves/Encumbrances:

Increase in Reserve	0	0		0		
Unrealized Gain/ Loss (GASB 31)	392	0				
Rounding	0	0				

ENDING FUND BALANCE	(\$0)	(\$0)		(\$0)		
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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		

2/22/2022

**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					
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	-

Common Facilities		NMWD Cash for 2019 Common Bonds	
Debt Service RA 4.3a2 (<i>remaining facilities</i>)	3,939,412	Total Revenue Required	\$3,939,412
N. Marin's Share (11.2/90.4)	488,069	Debt service - Additional Facilities	
Estimated Water Deliveries to N. Marin	6,455	Revenue base for NMWD	\$3,939,412
Applicable portion of the N. Marin R. Bonds Charge	\$75.61		

2015A New Money P&I Begins 2020

NMWD pd cash

Debt Service RA 4.3b9 (<i>additional facilities</i>)	0
N. Marin's Share (19.9/146.2)	-
Estimated Water Deliveries to N. Marin	6,455
Applicable portion of the N. Marin R. Bonds Charge	\$ -
Total NMWD Share	488,069
NMWD Total Bonds Charge	\$75.61

FY 2022-23 BUDGET
Water Transmission System - Fund Balances and Operating Transfers

Fund	Index	OT Out (57012)	To	OT In (47102)	Fund Bal. (Stmnt.)	Fund Bal. (Cash)	Diff.
Santa Rosa Aq. Capital Fund	44230	0		431,961	8,363,425	8,363,425	(0)
Petaluma Aq. Capital Fund	44235	0		258,713	6,429,724	6,429,724	0
Sonoma Aq. Capital Fund	44240	0		300,727	280,466	280,466	0
Sonoma Rev Bond 2012 Fund	44285	0	Sonoma AQ	253,827	117,112	117,112	0
Sonoma Rev Bond 2015 Fund	44305	65,000	Sonoma AQ	37,917	42,527	42,527	0
Sonoma Rev Bond 2019 Fund	44315	90,000	Sonoma AQ	240,577	169,023	169,023	0
Sonoma Rev Bond 2022 Fund	44330	0	Sonoma AQ	0	0	0	0
Storage Rev Bond 2012 Fund	44280	70,000	Storage Facilities	308,325	81,979	81,979	0
Storage Rev Bond 2015 Fund	44290	150,000	Storage Facilities	480,268	128,118	128,118	(0)
Storage Rev Bond 2022 Fund	44325	900,000	Storage Facilities	77,457	89,604	89,604	0
Common Rev Bond 2012 Fund	44275	0	Common Facilities	431,907	515,723	515,723	0
Common Rev Bond 2015 Fund	44295	180,000	Common Facilities	1,230,285	456,828	456,828	0
Common Rev Bond 2019 Fund	44310	0	Common Facilities	676,780	279,816	279,816	0
Common Rev Bond 2022 Fund	44320	5,800,000	Common Facilities	1,080,953	8,056,993	8,056,993	0
O&M Rev Bond 2022 Fund	44335	0	O&M Fund	0	0	0	0
State Loan Debt Service	44265	120,000	Common Facilities	1,196,268	683,560	683,560	0
State Loan Reserve	44270	0		0	(0)	(0)	0
Capital Lease Financing		0		0	0	0	0
Agency Fund (Discretionary)	44205	0	Common Facilities	0	8,085,460	8,085,460	0
Agency Fund (Charges)	44205	10,552,176		0			
Pipeline Facilities	44255			0	0	0	0
Storage Facilities	44250			1,120,000	191,386	191,387	0
Common Facilities	44260			6,100,000	628,821	628,821	(0)
North Marin	44300	0		0	1,127,986	1,127,987	0
Water Management Planning	44210			9,000	265,849	265,848	(0)
Watershed Planning/Restoration	44215			1,496,170	337,391	337,391	0
Recycled Water & Local Supply	44220			23,000	186,342	186,342	0
Water Conservation	44225			2,173,043	53,474	53,474	0
Total		17,927,176		17,927,176	36,571,607	36,571,607	(0)

Common Facilities OT - in 47101 From

Water Transmission (discretionary)	-	
Water Transmission (Charges)	-	
North Marin	-	
2012 Bond Fund	-	
2015 Bond Fund	180,000	
2019 Bond Fund	-	
State Loan Debt Service	120,000	
	<u>300,000</u>	
		O&M Rate Computation
		Revenue Requirement - Transfers Out:
		10,552,176

Agency Fund (Charges) OT - Out To:

<u>AQ Capital Funds</u>		<u>Agency Fund (Charges) OT - Out To:</u>	
Santa Rosa Aq. Capital Fund	431,961	<u>Summary</u>	
Petaluma Aq. Capital Fund	258,713		
Sonoma Aq. Capital Fund	145,727	AQ Capital Funds	836,401
	<u>836,401</u>	Debt Service Funds	6,014,562
		WT Subfunds	3,701,213
			<u>10,552,176</u>
<u>Debt Service Funds</u>			
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	<u>10,552,176</u>
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>		
<u>Capital Funds and North Marin</u>			
Pipeline Facilities	0		
Storage Facilities	0		
Common Facilities	0		
North Marin	0		
	<u>0</u>		
<u>WT Subfunds</u>			
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	10,552,176		

9

DISBURSEMENTS - DATED FEBRUARY 17, 2022

Date Prepared 2/14/22

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
1	Able Tire & Brake	Tire Repair ('18 Dodge Ram)	\$37.99
2	Alameda Electrical Distributors	Programmable Logic Control Parts	27.53
3	Arrow Benefits Group	January 2022 Dental Claims Expense	4,035.38
4	Badger Meter	5/8" Meters (50) (\$3,472) & Registers (50) (\$739)	4,211.90
5	Bandman, Everett	Novato "Cash for Grass" Rebate Program	800.00
6	Borges & Mahoney	Annual Maintenance on STP Equipment (\$1,526) (Balance Remaining on Contract \$2,868) & Parts for Servicing Wear Items on V-Notch Chlorinators at STP (\$1,262)	2,788.41
7	California Water Service	Water Service (O.M.)	29.11
8	CA Assoc of Mutual Water Co	Annual Membership Dues (1/22-1/23)	500.00
9	CDW-Government, Inc.	Battery Backup	232.94
10	Chandrasekera, Carmela	Retiree Exp Reimb (Feb Health Ins)	1,137.78
11	Cilia, Joseph	Retiree Exp Reimb (Feb Health Ins)	409.28
12	Crunch, LLC	Return Payment-Not Our Customer	800.84
13	F.N. Cuthbert, Inc.	Pressure Gauges (60)	1,227.80
14	Enterprise FM Trust	Monthly Leases for Chevy Colorado, Ford Ranger, F250's (2), Nissan Rogues (3), Nissan Frontiers (2) & F150's (7)	8,301.82
15	Fedak & Brown LLP	January Progress Billing (State Controller's Report Ending 6/30/21) (Final Bill)	625.00
16	Ferguson Waterworks	Pump Flange Parts	1,671.67
17	Fiserv/Bastogne Inc.	Return Payment-Not Our Customer	140.00
18	Friedman's Home Improvement	Light for Tank Site (\$51), Lights for Crew (\$215), & Misc Maint Supplies	300.82

Seq	Payable To	For	Amount
19	Frontier Communications	Leased Lines	1,729.74
20	Grainger	Plumbing Supplies (STP) (\$728), Trailer Equipment (\$466), Patio Umbrellas (2) (\$167) & Miscellaneous Maintenance Tools & Supplies (\$86)	1,447.17
21	Harrington Industrial Plastics	2" Ball Valve	521.22
22	Jackson, David	Retiree Exp Reimb (Feb Health Ins)	1,137.78
23	Kelly-Moore Paint Company, Inc	Paint (Maintenance of Equipment)	71.99
24	Kelly Services, Inc.	Organic Chemist Temp Services (Lab) (35 hrs)	2,169.99
25	Kennedy Jenks	Prog Pymt#3: 777 San Marin Drive Development (\$2,705) & MMWD Kastania P/S Eng/Op (\$13,482) (Balance Remaining on Contract \$16,388)	16,186.54
26	KP Promotions	Uniform Supplies	260.40
27	Latanyszyn, Roman	Retiree Exp Reimb (Feb Health Ins)	409.28
28	Lemos, Kerry	Retiree Exp Reimb (Feb Health Ins)	1,137.78
29	Lemos, James	Exp Reimb: Hotel & Meals While Attending Instrumentation Training in Sacramento (1/18-1/20)	362.95
30	LGVSD	Recycled Water Deliveries (10/1/21-12/31/21)	6,233.60
31	MacArthurCo	Aquatapoxy (2 gals)	309.26
32	Manzoni, Alicia	Retiree Exp Reimb (Feb Health Ins)	1,137.78
33	Marin County Ford	Tire Sensors (4) ('10 F150) (\$272), Seat Belt Parts ('17 F350) (\$736) & Brake Parts ('12 F250) (\$784)	1,793.01
34	Marin County Dept of Ag	Refund Security Deposit on Hydrant Meter Less Final Bill (2 Accounts)	480.00
35	McArdell, Richard	Refund Overpayment on Closed Account	44.45
36	McMaster-Carr Supply Co	Parts for San Mateo Tank & Suction Water Hose (\$375)	405.46
37	MSI Litho	Business Cards (Roberto, Fuelle, Clyde & Lawrence) (250 each)	163.69

Seq	Payable To	For	Amount
38	Natec International Inc	Asbestos Cement Pipe Initial Course (Construction ≈15 Employees)	995.00
39	New Pig Corporation	Drain Filters for Yard (3)	367.84
40	Noll & Tam Architects	Prog Pymt#10: Provide NMWD Headquarters Upgrade A/E Services (Balance Remaining on Contract \$176,779)	109,945.00
41	North Marin Auto Parts	Service Parts ('21 Nissan Rouge, '10 F150 & '17 Nissan Frontier) (\$288) & Miscellaneous Maintenance Tools & Supplies (\$278)	566.28
42	North Bay Gas	Nitrogen & Breathing Air (STP) (\$68) & January Cylinder Rental	113.00
43	Novato Sanitary District	Refund Security Deposit on Hydrant Meter Less Final Bill	330.55
44	Pini Hardware	Miscellaneous Maintenance Tools & Supplies	434.14
45	Quadient, Inc.	March Postal Meter Rental	143.09
46	Rice, Amy	Refund Overpayment on Closed Account	74.36
47	Syar Industries Inc	EZ Street Asphalt (5 tons)	864.56
48	Univar	Sodium Hypochlorite (424 gal) (O.M.)	1,339.84
49	VWR International LLC	Hydrochloric Acid, Graduated Cylinder (\$89), Hydrogen Peroxide, Phosphate Buffer (\$87), Mini Incubator (\$378) & Safety Gloves (\$150)	779.02
50	Waste Management	Green Waste Disposal	452.66
51	Watkins, Jeff	Exp Reimb: D1 Recertification Renewal Fee	70.00
52	West Coast Energy Systems LLC	OM (\$849) & STP (\$1,564) Generator Service	2,412.72
TOTAL DISBURSEMENTS			<u>182,168.42</u>

The foregoing payroll and accounts payable vouchers totaling \$182,168.42 are hereby approved and authorized for payment.


Auditor-Controller

02/14/22
Date


General Manager

02/14/2022
Date

DISBURSEMENTS - DATED FEBRUARY 24, 2022

Date Prepared 2/22/22

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 No.	Payable To	For	Amount
P/R*	Employees	Net Payroll PPE 2/15/22	\$152,941.72
90463*	Internal Revenue Service	Federal & FICA Taxes PPE 2/15/22	69,644.05
90461*	State of California	State Taxes & SDI PPE 2/15/22	15,341.95
90462*	CalPERS	Pension Contribution PPE 2/15/22	42,528.87
EFT*	US Bank	December Bank Analysis Charge (Lockbox \$912 & Other \$331 Less Interest \$49)	1,194.39
90460*	US Bank Card	No Parking Signs (200) (\$300), Labor & Law Posters (3) (\$163), Airfare & Lodging for CA Society of Municipal Financial Officers Conference (\$545), 1099's, W2, W3 Filing & ACA Filing (\$542), Zoom for Board Meetings (\$47), Lab Consulting Services (\$160) & Misc Supplies (\$43)	1,800.63
1	Arrow Benefits Group	February 2022 Dental Admin Fee	271.20
2	Athens Administrators	January Indemnity Review Fee	105.00
3	Automation Direct	Programmable Logic Controller Parts	431.29
4	AWWA CA-NV SEC	Testing Fee Grade 2 Lab Analyst (Nommsen)	280.00
5	Backflow Distributors	Fire Service Repair Parts	5,533.13
6	Baczynski, Constance	Novato "Cash for Grass" Rebate Program	640.00
7	Bank of Marin	Bank of Marin Loan Principal & Interest (Pynt 124 of 240) Aqueduct Energy Efficiency Project)	46,066.67
8	Bender & Co Inc, Matthew	Water Codes Vol 21 (\$818) & Vol 10 (\$690)	1,508.24
9	Boucher Law, PC	Nov 2021 Labor & Law Employment Matters	10,355.00
10	CDW-Government, Inc.	Battery Back-ups for Programmable Logic Controllers	232.94

Seq No.	Payable To	For	Amount
11	Charles Custom Welding	Welding Services at STP	1,320.00
12	Chase	JP Morgan/Chase Loan Principal & Interest AMI Project (#8 of 30)	326,513.50
13	Clipper Direct	March Commuter Benefit Program	76.00
14	Comcast	February Internet Connection	199.55
15	Core & Main	Corp Stops (2) (\$89), Couplings (12) (\$265) & Saddle (6 x 2) (\$136)	490.44
16	CWEA	Lab Analyst Grade 1 Renewal Fee (Nommsen)	91.00
17	Diesel Direct West	Diesel (400 gal) (\$2,013) & Gasoline (1,300 gal) (\$5,736)	7,748.97
18	EKI Environment & Water, Inc.	Prog Pymt#4: 2021 Recycled Water Demand & Expansion Analysis (Balance Remaining on Contract \$643)	148.72
19	ENR	Subscription Renewal (Williams) (6/22-6/23)	108.00
20	Environmental Express	Oblong Bottles (Lab)	266.65
21	Evans, Darlene	Novato "Toilet Rebate" Program	125.00
22	Fike, William	Exp Reimb: Safety Boots	200.00
23	Fisher Scientific	Nitrile Gloves (100) (\$155), Maxi Tips (200) (\$81) & EC Broth (\$108) (Lab)	344.60
24	Grainger	Miscellaneous Maintenance Tools & Supplies	2,020.96
25	Hardy Diagnostics	Culture Controls (Lab)	185.74
26	Hussein, Munawar	Refund Excess Advance Over Actual Job Cost (710 Arthur Street Paving Moratorium)	1,672.16
27	InfoSend, Inc.	January Processing Fee for Water Bills (\$1,314), Postage (\$3,863) & January Monthly Support Fee (\$798)	5,974.83
28	Intellaprint Systems	Ink for Canon TZ-30000 (Engineering)	495.86
29	Kaiser Foundation Health Plan	Pre-Employment Physical (Demartini)	65.00
30	Kauwe, Joseph	Exp Reimb: Plastic Board for Slump Tests	27.31

Seq No.	Payable To	For	Amount
31	Kelly Services, Inc.	Organic Chemist Temp Services (38 hrs) (Lab)	2,355.29
32	Kostrzewski, Clarisse	Novato "Toilet Rebate" Program	250.00
33	Lincoln Life Employer Serv	Deferred Compensation PPE 2/15/22	15,718.55
34	Marin Independent Journal	Water Supply Workshop Ad 1/1 (\$140) & Notice of Public Hearing on Redistricting 1/7 (\$148)	287.58
35	Marin Reprographics	Vellum Paper (34" x 500') (Engineering)	313.57
36	McMaster-Carr Supply Co	Hose for STP	197.30
37	Nationwide Retirement Solution	Deferred Compensation PPE 2/15/22	1,195.00
38	NSI Solutions, Inc.	QC Samples (Lab)	297.00
39	Office Depot	Misc Office Supplies (\$179) & Laserprinter (\$239) (Warehouse)	417.58
40	Pace Supply	Flange Spool (2) (4" x 6") (\$1,156) & Flange Reducer (10" x 6") (\$330)	1,485.92
41	Point Reyes Prop Mgmt Assn	Feb HOA Fee (25 Giacomini Rd)	75.05
42	Rempel, David	West Marin "Rainwater Harvesting" Rebate Program	132.50
43	Scarpa, Steven	Return Payment-MMWD Customer	487.48
44	Scott Technology Group	Monthly Maintenance on Engineering Copier (\$201) & Contract Overage Amount	224.62
45	Sonoma County Water Agency	January Contract Water (\$379,907) & Conservation Support Program (10/1/21-12/31/21) (\$2,078)	381,984.70
46	SPG Solar Facility XII, LLC	January Energy Delivered Under Solar Services Agreement	8,640.58
47	Township Building Services	January Janitorial Services	2,157.61
48	TPx Communications	February Telephone Charges	662.15
49	T & T Valve & Instrument Inc	Rebuild Parts for STP Filter Valves	909.19
50	Underground Service Alert	CA State Fee for Regulatory Costs (1/1/22-6/30/22)	775.13

Seq No.	Payable To	For	Amount
51	Univar	Potassium Permanganate (110 lbs) (STP)	836.00
52	USA BlueBook	Blue & White Tube Assembly for A2 & M2 Pumps (STP)	86.62
53	VWR International LLC	Pipet Tip (\$56), Chlorine Reagent, Mediums (2) (\$295), Tryptic Soy Broth (\$71) & Bromothymol Blue (Lab)	444.93
54	White & Prescott	Prog Pymt#13: Verandah Oaks Title Search (\$90) & Prog Pymt#14: AEEP Easement Support-B2 Reach A (\$3,105) (Balance Remaining on Contract \$51,590)	3,195.00
		TOTAL DISBURSEMENTS	<u>\$1,120,078.72</u>

The foregoing payroll and accounts payable vouchers totaling \$1,120,078.72 are hereby approved and

Julie Blue 02/23/22
Auditor-Controller Date

[Signature] 2/23/2022
General Manager Date

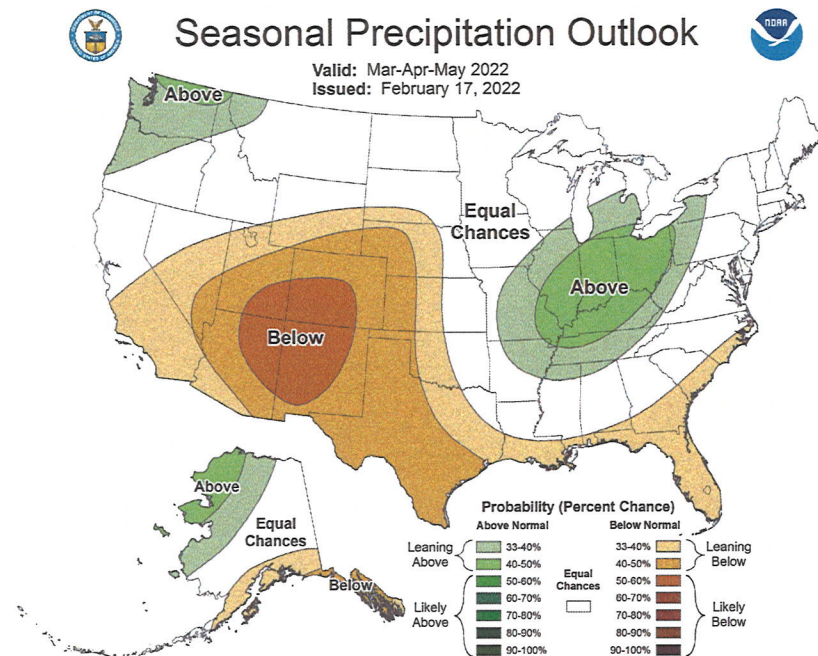
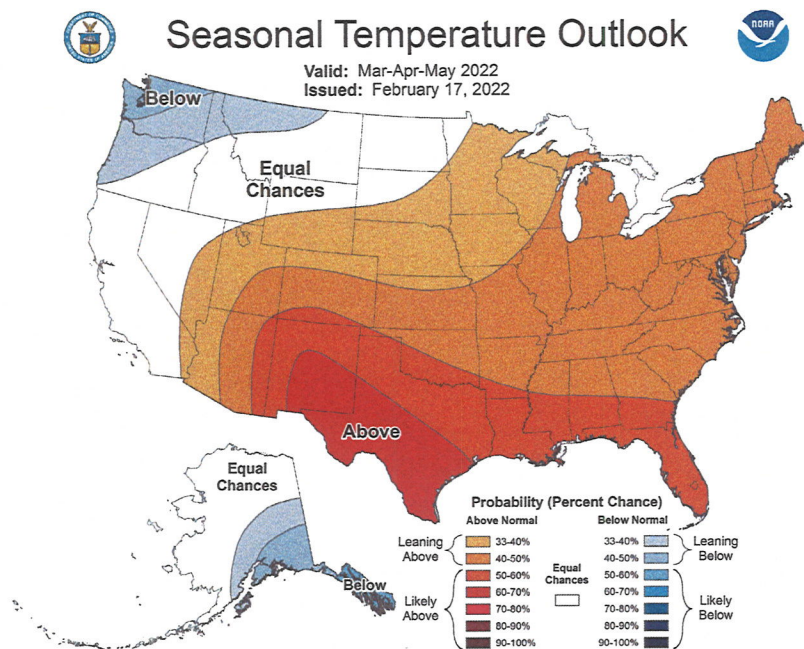
Three-Month Outlooks

Revised OFFICIAL Forecasts

February 2022

Precipitation Probability
(March-April-May_ 2021/22)

[Climate Prediction Center - Seasonal Outlook \(noaa.gov\)](https://climatepredictioncenter.noaa.gov)



[UPDATED MONTHLY FORECASTS SERVICE CHANGE NOTICE]

[EXPERIMENTAL TWO-CLASS SEASONAL FORECASTS]

Brief return of rain ends 4-day dry spell

BAY AREA WEATHER

Records nearly broken for lack of precipitation during wet season

Marin Independent Journal

By Natalie Hanson

nhanson@marinij.com

Rain made an appearance in Marin this week, bringing an end to a prolonged stretch of parched weather.

A storm that moved in Monday night from Alaska dropped 0.12 of an inch of rain on Mount Tamalpais, the wettest spot in the county, said Drew Peterson, meteorologist with the National Weather Service. The highest totals in populated areas were 0.09 inches in Novato and 0.08 inches in Mill Valley.

The precipitation — albeit scant — ended a 44-day dry spell that reignited wildfire risk, brought precipitation totals for the water year closer to average and nearly broke records for longest dry streak during the wet season.

The storm system, which arrived around 8 p.m. Monday, continued moving through the Bay Area on Tuesday, although no further precipitation was expected.

Atmospheric river storms in October and December

began the water year, which started Oct. 1, on a high note, replenishing the statewide Sierra Nevada snowpack to 168% of normal on New Year's Day and marking the 21st wettest December on record for San Francisco, which has climate records dating back to 1849.

Up until the recent dry period, many locations were reporting well above normal for precipitation, between 150% to 200% of normal, Peterson said. In Marin, Mt. Tam had received 63.94 inches and San Rafael had received 14.58 inches between Oct. 1 and Monday's rain, he said.

“But now, many locations are dropping very close to near normal. Even a few locations have dropped below normal, including Santa Rosa,” Peterson said.

“We’ve kind of lost that initial bumper crop of rain we had at the beginning of the year,” he said.

By Friday, the Sierra snowpack had dipped down to 70% of normal, according to the California Department of Water Resources. Six to 18 inches of snow were received on the Sierras last night due to the Monday weather system, Peterson said.

A high-pressure system has pushed prospective storms into the Pacific Northwest instead of allowing them to drop down into the Bay Area — typical of La Niña, in which cold water rises and leads to droughts in the West. The system drifted westward a day or two ago, allowing the storm to move down from the north. Severe drought has ravaged the north half of the state after two dry winters in a row, straining power grids and sparking fires.

The dry streak also made wintertime wildfires more likely. The Airport fire, which started five days ago east of Bishop, had burned 4,136 acres as of Monday morning.

“From a fire weather standpoint, the lack of rain caused the vegetation dry out,” forecaster Matt Mehle said. “Even though the rain is a welcomed sight today, it’s not going to erase the dry spell that we went through. We’ll have to be mindful as we head towards spring and things start to dry out.”

The weather service has also issued a freeze warning from 2 a.m. Wednesday through 9 a.m. Friday for the interior areas of the Bay Area and central coast. Overnight lows could reach the low 30s during that period in parts of Marin, Peterson said. If precipitation falls, Mount Tam could see a bit of snow, he said, although he thought it was unlikely. “We’re expecting it to be cooler tonight, especially in the northern regions anywhere further from the water is going to be colder,” Peterson said. Vulnerable populations, including those who don’t have adequate shelter, are most at-risk during the freeze. The weather service said to look after sensitive vegetation, elderly people and animals. Unprotected outdoor plumbing may also be damaged during the freeze.

“Based on the forecast from the National Weather Service we made the operational decision yesterday to activate the severe weather emergency shelter,” Gary Naja-Riese, director of the county’s homelessness division, said Monday. “That is opening today and will run through at least Friday, which will take us through the coldest days this week.”

Temperatures forecasted to drop below an average nighttime low of 38 degrees for at least three days is among the criteria for opening the shelter.

During the COVID-19 pandemic, the county has been placing the homeless in motel rooms during severe weather events to prevent spread of the virus. A limited number of rooms are available; homeless people must be invited to participate.

“We have 30 rooms available, and our medical providers and homeless service providers are working to identify those who are medically most vulnerable,” Naja-Riese said.

“It is definitely challenging, but what we’re really looking to do here is prevent death among those with the most serious medical conditions who are unhoused,” he said. “In an ideal world, we’d love to get everybody inside during these kinds of conditions.” *IJ reporter Richard Halstead and Bay Area News Group contributed to this report.*

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Cities, farms facing low water deliveries

CALIFORNIA DROUGHT

Marin Independent Journal

By Paul Rogers

Bay Area News Group

Providing a stark example that California's hopes of ending its drought are dwindling after an extremely dry January and February, federal officials on Wednesday announced that cities will receive continued water cutbacks, and many Central Valley farms will receive no water this summer from the Central Valley Project, California's largest water delivery system.

"We wish we had better news," said Ernest Conant, regional director of the Bureau of Reclamation, the federal agency that runs the project. "Let's keep our fingers crossed that we have some better precipitation in the next couple of months."

So far, the Northern Sierra watersheds that fill many of the state's largest reservoirs have received the least amount of precipitation in January and February of any January and February since 1921 when records began.

Through Wednesday, eight key weather stations in the Northern Sierra had received only 1.7 inches in January and February, less than 10% of the historical average of 18 inches.

Even though California was drenched with several huge atmospheric river storms in late October and December, raising hopes that the drought was ending, the bone-dry months since then have left the Sierra Nevada snowpack at just 67% of its historical average on Wednesday, and many major reservoirs with water levels well below where they were last year.

Some Bay Area residents, in Marin County and in San Francisco and the Peninsula, do not receive Central Valley Project Water and are not affected by the decision.

Facing a likely third year of drought with less water in storage, on Wednesday the Bureau of Reclamation announced that most cities south of the Delta that receive water from the Central Valley Project would receive just 25% of their contracted amounts, and most farmers in the Sacramento and San Joaquin valleys would receive 0%.

Those numbers will be updated in May. They are the same as the final allocations a year ago. The big difference this year, however, is that most major reservoirs have less water in them now, similar to a dwindling savings account. Shasta, the state's largest reservoir, for example, was 37% full on Wednesday. A year ago, it was 49% full.

"Last year we started with higher storage," Conant said. "Now we're down quite a bit."

The low water allocations mean more calls for water conservation are coming to Silicon Valley.

"We cannot relax. We need to accelerate our conservation goals," said Gary Kremen, chairman of the Santa Clara Valley Water District, which provides water to 2 million people in Santa Clara County.

Last June, as the drought dragged into its second year, the district declared an emergency and asked residents in San Jose and other South Bay cities to reduce water use 15% from 2019 levels. Cumulatively, from June through December, residents have missed that target, cutting use by 8%.

And although the district's 10 local reservoirs rose somewhat during the December rains, together on Wednesday they were just 25.7% full. Kremen said that he plans in the coming weeks to discuss with the district's board whether it needs to increase its water conservation request to South Bay residents.

The agency is hamstrung because its largest reservoir, Anderson, near Morgan Hill is drained for earthquake repairs. It has several options this summer. They include pumping more local groundwater, spending tens of millions to buy water from Sacramento Valley farmers with senior water rights and water to sell, and drawing water out of the Semitropic groundwater bank in Kern County, where the district

has stored water for dry years. All of those actions are likely. The drought is serious, Kremen noted, and nobody knows how long it will continue.

"I'm worried about conservation fatigue," he said. "People are being hit with a lot — COVID, Ukraine, the unhoused. Some people are overwhelmed."

In some years, the federal water affected Wednesday makes up about a quarter of the Santa Clara Valley Water District's total use.

Other large Bay Area water agencies, including East Bay MUD and the Contra Costa Water District, also receive Central Valley Project Water. But because they have more

water stored in their reservoirs, their outlook is not as tight as the Santa Clara Valley Water District's.

Perhaps hardest hit are farmers.

Receiving no federal water for the second year in a row means many will have to pump already struggling groundwater supplies, while some will leave fields fallow.



Trucks with boat trailers sit in a Redding park on July 2 on a section of Shasta Lake that used to be underwater. Shasta Lake — the largest reservoir in the federal Central Valley Project — is only at 38% of capacity, or 48% of the amount it usually has around this time of year.

JUSTIN SULLIVAN — GETTY IMAGES

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