



NORTH MARIN WATER DISTRICT
AGENDA - REGULAR MEETING
March 16, 2021 – 6:00 p.m.
Location: Virtual Meeting
Novato, California

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ATTENTION: This will be a virtual meeting of the Board of Directors pursuant to Executive Order N-29-20 issued by the Governor of the State of California.

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/8349174264>

Password: 466521

SIGN IN TO ZOOM:

Meeting ID: 8349174264

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: 834 917 4264#

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 , March 2, 2021
	2.	GENERAL MANAGER'S REPORT
	3.	OPEN TIME: (Please observe a three-minute time limit) This section of the agenda is provided so that the public may express comments on any issues not listed on the agenda that are of interest to the public and within the jurisdiction of the North Marin Water District. When comments are made about matters not on the agenda, Board members can ask questions for clarification, respond to statements or questions from members of the public, refer a matter to staff, or direct staff to place a matter of business on a future agenda. The public may also express comments on agenda items at the time of Board consideration.
	4.	STAFF/DIRECTORS REPORTS
	5.	PUBLIC HEARING TO CONSIDER AN EMERGENCY WATER CONSERVATION ORDINANCE IN THE NOVATO SERVICE AREA
	6.	PUBLIC HEARING TO CONSIDER AMENDING ORDINANCE 39 IN WEST MARIN SERVICE AREA
	7.	MONTHLY PROGRESS REPORT ACTION CALENDAR
	8.	Approve: Accept 2021 West Marin Water Rate Study Draft Report and Direct Staff to Prepare a Proposition 218 Notice of Public Hearing on Proposed Revenue Increases and Rate Structure Changes
	9.	Approve: Oceana Marin Sewer System Financial Plan Update
	10.	Approve: Authorize Affirmative Vote for SCWA FY2021-2022 Water Transmission System Budget
	11.	Approve: : STP- Coat Top of Concrete Clearwells Project: Award Contract to Redwood Painting
	12.	Approve: Renew Declaration of Local Emergency Related to COVID-19 Pandemic
		INFORMATION
	13.	Enhanced Water Conservation Program Incentive Options for 2021
	14.	Revised FY21/22 Rate Hearing Schedule
	15.	NBWA Meeting – March 5, 2021
	16.	MISCELLANEOUS Disbursements – Dated March 4, 2021 Disbursements – Dated March 11, 2021 Rescheduled Hearing – Gallagher Family Coastal Permit and Use Permit Russian River Biological Opinion Public Policy Facilitating Committee Annual Meeting Agenda <u>News Articles:</u> Marin IJ – Novato drought measures weighed – Low Rainfall Water Finance & Management – Water sector applauds House leadership for affordability program boost Novato Advance – It's a dry year. Save water with North Marin Water District Marin IJ – State likely faces critically dry year, water officials say – SNOWPACK RUNOFF

Est. Time	Item	Subject
		Marin IJ – Saturday Soapbox – North Marin Water District should share plan
		Marin IJ – Editorial -Marin knows conservation will be big help
		Marin IJ – Water district board president committed to conservation partnership
		Washington Observer – Water Agencies Seek Relief for Ratepayers
		Point Reyes Light – Bo holds off on rationing
		Point Reyes Light – Inverness group asks IPUD to take lead on tax proposal
		Marin IJ – Wednesday soapbox – Water districts need to control biggest users first
		Marin IJ – County secures another \$8.4M in aid for renters -FEDERAL FUNDS
		<u>Social Media Posts:</u>
		NMWD Web and Social Media Report – February 2021

8:30 p.m.

17. ADJOURNMENT

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DRAFT
NORTH MARIN WATER DISTRICT
MINUTES OF REGULAR MEETING
OF THE BOARD OF DIRECTORS
March 2, 2021

CALL TO ORDER

President Grossi announced that due to the Coronavirus outbreak and pursuant to Executive Order N-29-20 issued by the Governor of the State of California this was a virtual meeting. President Grossi 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 Grossi 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 Grossi 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 Grossi 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 Grossi announced 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.

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), Robert Clark (Operations/Maintenance Superintendent), Tony Arendell (Construction/Maintenance Superintendent), Pablo Ramudo (Water Quality Supervisor), Ryan Grisso (Water Conservation Coordinator) and Monica Juarez (Receptionist/Customer Service Assistant).

President Grossi announced for those joining the virtual meeting from the public to identify themselves. Ken Levin from the Point Reyes Village Association joined remotely. Consultants Jim O'Toole and Ally Sung-Jereczek (ESA), Peter Hudson (Sutro Science) and Carl Nelson (BPMNJ), District legal counsel were also in attendance.

MINUTES

On motion of Director Baker seconded by Director Joly the Board approved minutes from the February 16, 2021 Regular Board Meeting by the following vote:

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

NOES: None

ABSTAIN: None

ABSENT: None

On motion of Director Fraites seconded by Director Baker the Board approved minutes from the February 23, 2021 Special Board Meeting by the following vote:

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

NOES: None

ABSTAIN: None

ABSENT: None

GENERAL MANAGER'S REPORT

Dry Year Conditions Update

Mr. McIntyre reminded the Board that public hearings for water conservation ordinances for Novato and West Marin will be held at the March 16th meeting as re-scheduled by the Board at the February 23rd special meeting. Mr. McIntyre announced he and Ms. Burke, as TAC leadership have another water supply update meeting with SCWA staff on March 3rd. He added he still expects early April to be a decision point on what SCWA's messaging will be regarding 2021 water supply restrictions. Mr. McIntyre noted Stafford Lake backfeeding began on April 17th and as of March 1st, 150 AF had been added into the lake. Mr. McIntyre reported staff expects to reach 600 AF in early April. He noted the recent dry year media interest and called attention to the related Marin IJ article under miscellaneous in the agenda. Additionally, Mr. McIntyre announced he provided a radio interview with KCBS regarding dry year conditions the previous week and had a TV spot interview with KPIX this afternoon.

Senate Bill 323 – Water/Sewer Rates

Mr. McIntyre apprised the Board that existing California laws provides a 120-day statute of limitation for water connection fees and capacity charges, however the existing law does not prevent lawsuits regarding service rates years after rates have been adopted and collected. He noted Senate Bill 323 creates a statute of limitations for legal challenges to water service rates similar to that of the 120-day limit applicable to connection fee charges. Mr. McIntyre informed

the Board that this bill is set for hearing on March 11th, therefore unless there was any Board opposition he planned on indicating NMWD support for this bill on an ACWA coalition letter. Hearing no opposition from Board members, Mr. McIntyre announced he will move forward with having NMWD sign on to ACWA's coalition support letter. He added that a copy of the finalized support letter will be included under miscellaneous at a future Board meeting.

Russian River Biological Opinion, Public Policy Facilitating Committee Meeting

Mr. McIntyre informed the Board that the next annual Public Policy Facilitating Committee meeting will be on March 9th from 2:00 to 4:00 p.m. via Zoom. He noted Directors Petterle and Grossi are designated as NMWD appointees to attend these meetings. Mr. McIntyre stated Ms. Kehoe will contact both Directors regarding registration if they plan to attend.

Director Grossi stated he already registered and Director Petterle stated he will contact Ms. Kehoe to register him for the meeting.

OPEN TIME

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

Mr. Williams provided an update on the 2020 Urban Water Management Plan which will be discussed later in the agenda. He addressed a related topic that came up at the last Board Meeting on February 16th. There was a comment from West Marin customer Mr. Levin regarding dry year water conditions and future water demands at the Coast Guard Housing Reuse site. Mr. Williams noted the state only requires an UWMP for a retail water agency serving 3,000 connections or more; which does not apply to West Marin. He noted the former Coast Guard property which was recently purchased by the County of Marin for a low-income housing development, historically has entitlements from 1974 that goes with the property. Mr. Williams stated the entitlement is 20,000 gallons per day which works out to be 74 equivalent single-family dwelling units.

ACTION ITEMS

**GALLAGHER WELL NO. 2 REPORT FOR GALLAGHER WELLS AND PIPELINE PROJECT:
APPROVE CEQA ADDENDUM TO THE 2009 MITIGATED NEGATIVE DECLARATION (MND)**

Mr. McIntyre reminded the Board that NMWD staff prepared and circulated a CEQA Addendum analyzing the impacts of construction and operation of the previously proposed Gallagher Well No. 2. He stated the project under consideration, like the project approved in

2009, would provide for a total of two wells at the Gallagher Ranch with a combined capacity of 300 gallons per minute (gpm). Mr. McIntyre noted the Gallagher Well No. 2, as proposed now and in 2009, would tie into the existing Gallagher Well raw water transmission pipeline located south of the private Gallagher Ranch access road. He added approximately 500 feet of new pipeline would be installed to connect Gallagher Well No. 2 to the existing transmission pipeline. Mr. McIntyre informed the Board that in 1992, the Board approved a CEQA document for construction of a single well with a pumping capacity of 300 gpm however this well, called Gallagher Well No. 1 proved unable to provide the desired 300 gpm capacity necessitating the need to secure a second well at the Ranch to obtain a combined pumping capacity of 300 gpm. Mr. McIntyre noted all project components described in the 2009 IS/MND have been implemented by NMWD except for construction of the second well.

Mr. McIntyre introduced Mr. O'Toole from ESA to provide a power point presentation to the Board. Mr. O'Toole also introduced Ms. Sung-Jereczek from ESA and consultant Mr. Hudson from Sutro Science.

Mr. O'Toole referenced back to the 2009 CEQA project. He noted the second well was originally slated for the south pasture, but due to the property owners request and the hydrogeologic analysis the new well location is now proposed to be placed in the north pasture about the same distance from Well No. 1. Mr. O'Toole then discussed the CEQA checklist items that were reviewed and resulted in the conclusion that a CEQA Addendum was appropriate. Mr. O'Toole reminded the Board of their earlier decision to circulate the addendum for courtesy review to interested parties and regulatory agencies for input even though it was not required by CEQA. He stated two letters were received, one from Save Our Seashore and the other from the San Francisco Bay Regional Water Board (SFRWB). Mr. O'Toole added their concerns were noted and a technical memorandum was prepared with a written response. He then reviewed the comments and responses. At the end of his discussion he recommended the addendum be adopted as it meets CEQA requirements and no severe impacts were identified.

Mr. McIntyre added that staff had a conference call with SFRWB staff on February 3rd and discussed their comments. Staff has also agreed to review the project at the next regularly scheduled Lagunitas Creek TAC meeting which is scheduled for March 19th. He added that there were two comments in favor of the project and there are included as part of the agenda item. Director Joly thanked Mr. Levin and Ms. Day for their generosity in taking the time to submit letters in support of the CEQA.

Director Joly asked Mr. McIntyre, Mr. O'Toole and legal counsel if they felt we met all CEQA obligations. Mr. McIntyre replied that the CEQA review was performed by our qualified

CEQA consultant, ESA and reviewed by both staff and legal counsel, and it is believed the Addendum was prepared in accordance with CEQA guidelines. Director Grossi thanked staff, ESA and legal counsel for doing a great job.

On the motion of Director Joly , and seconded by Director Baker the Board adopted the resolution making findings that the Addendum was prepared in accordance with CEQA Guidelines Sections 15162 and 15164, and that the conclusions, impact determinations, and mitigation measures provided in the Addendum were consistent with the previously approved 2009 IS/MND, and would not result in new or more serve impacts beyond those previously identified, approving the Addendum, and approving the project by the following vote:

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

NOES: None

ABSTAIN: None

ABSENT: None

Mr. McIntyre announced that a new two-sided page has been prepared to replace the version of Chapter 5 in the agenda packet in order to conform the Addendum based on the Board's action by resolution tonight.

RENEW DECLARATION OF LOCAL EMERGENCY RELATED TO COVID-19 PANDEMIC

Mr. McIntyre reminded the Board that staff has been operating under partial Emergency Operations Center (EOC) activation. On February 23, 2021, the State announced that Marin County will move from "purple" to "red" status effective Wednesday, February 24th. He stated the move from Tier 1 or "widespread risk" status to the less restrictive Tier 2 or "substantial risk" level is based on consecutive weeks of progress in Marin's COVID-19 case statistics.

Mr. McIntyre announced the District emergency planning has been aggressively implemented since March 16, 2020. The District still operates with 86% of staff on-site or in the field full time. He added the balance of staff are teleworking from home with most coming into the office at least one day each week. Mr. McIntyre stated walk in services remain suspended. He noted the financial COVID-19 cost impacts through February will be provided at the next meeting.

Director Grossi stated he received a notice from the Marin Office of Education that the new CDC guidelines will be mirrored in local schools. He noted when reported cases are as low as Marin's, full in person learning for K-12 can resume. Director Grossi applauded Marin officials who worked hard on this and stated this is excellent news that children can go back to school.

Mr. McIntyre requested the Board find that there still exists a need to continue the State of Emergency due to the COVID-19 pandemic as reflected by Resolution No. 20-07.

On the motion of Director Petterle, and seconded by Director Joly the Board approved renewal of the Declaration of Local Emergency Related to COVID-19 Pandemic by the following vote:

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

NOES: None

ABSTAIN: None

ABSENT: None

INFORMATION ITEMS

INITIAL REVIEW SCWA FY22 WATER TRANSMISSION SYSTEM BUDGET

Ms. Blue gave an initial review on the Sonoma County Water Agency FY22 Water Transmission System Budget. She stated the budget proposed NMWD water purchases at \$1,047.34 per acre-foot an increase of 4.63%. She noted the NMWD rate was originally proposed at 6.92% however it was reduced during the budget subcommittee review process. Mr. Blue announced this information was for information only in advance of the March 16th Board Meeting in which time Lynne Rosselli, Finance Manager for the Sonoma County Water Agency will present the budget.

Director Joly praised Ms. Blue and the subcommittee for getting the rate down. He asked why NMWD pays 1% more than some other agencies, and wanted to know why we have a different formula than other agencies. Ms. Blue replied other agencies have an Aqueduct Capital Charge for future project rate stabilization and we do not have that same benefit.

2020 URBAN WATER MANAGEMENT PLAN STATUS UPDATE

Mr. Williams gave a status update to the Board on the 2020 Urban Water Management Plan for the Novato water system. He stated District Water Conservation Coordinator, Mr. Grisso was also participating in the meeting and was available for questions. Mr. Williams stated the 2020 UWMP will include all of the information and analysis required by the California State Department of Water Resources (DWR) and a public hearing to approve the UWMP will be held at the June 22nd NMWD Board Meeting. He stated the UWMP Act stipulates that a plan must be prepared for agencies with service areas of 3,000 or more connections or water demands 3,000-acre feet or more and this plan must be updated every five years. Mr. Williams noted this is a stand-alone document and in 2019 NMWD entered an agreement with the City of Santa Rosa, as the administrative agent for the Sonoma Marin Saving Water Partnership for a water demand analysis using EKI Environment & Water, Inc. (EKI). He stated even in the worst-case scenario provided by EKI, including ABAG's recent draft Regional Housing Needs Allocation the draft 2020 UWMP lines up with the build out analysis in the 2018 Master Plan. Mr. Williams reported in April,

EKI will provide a presentation of future water demand projections through 2045. The overall schedule is the public hearing will be on April 20th, there will be a sixty-day public review period, the request for approval will go to the Board at the June 22nd Board meeting and the plan will be submitted to the state by July 1, 2021.

Director Joly asked if the Board will be able to see the UWMP before the April 20th public hearing. Mr. Williams responded that Mr. Grisso will have a draft available before that time which will include the main context of the report. Director Joly asked if the amount of supply included recycled water and all other forms of supply. Mr. Williams confirmed. Director Joly asked about the comfort level of the supply and demand analysis prepared by EKI. Mr. Williams replied the recycled water supply, in addition to conservation efforts will go a long way towards offsetting additional population growth demand. Director Joly thanked Mr. Williams and Mr. Grisso for their hard work on this plan. Director Grossi noted that in the past we would estimate the numbers; but now the state is saying this is what the projected growth is going to be. He added this report comes at a good time so that we know what we need to do to provide water to our customers as we get into future discussion on this topic.

**POINT REYES SYSTEM SALINITY INTRUSION ALTERNATE WATER SUPPLY
CONTINGENCY PLAN**

Mr. Ramudo reported on the Point Reyes System Salinity Intrusion Alternate Water Supply Contingency Plan. He provided five options to the Board to provide alternative sources of water in the event the sodium level goes above 115mg/L. Mr. Ramudo stated that it is unlikely Gallagher Well No. 2 will be permitted and operating by July 1st, therefore it is necessary the District has a plan in place to provide for those customers with salt restricted diets.

Director Fraites asked if the customers on salt restricted diets will need to provide evidence in order to be eligible, or will it be an honor system. Mr. Ramudo replied that staff will not require a doctor's note and it will be up to the customer to be truthful. Director Joly stated it is paramount for our customers to feel our water is safe and we are following both the state and federal guidelines. He asked Mr. Levin from the Point Reyes Station Village Association what the recent communication with West Marin consumers has been. Mr. Levin expressed his appreciation to Mr. Ramudo, the Board and staff for working with the Point Reyes community and considering this issue. He followed up with a discussion about reducing the sodium concentration trigger level from 115 mg/L to something lower such as 60 mg/L which is similar to the average salinity level in the Novato drinking water. Mr. Ramudo responded that the District is not required to provide water to those on salt restricted diets and reducing the sodium trigger level from 115 mg/L to 60 mg/L is unrealistic. He added that in the past our experience was once salinity intrusion occurred

236 it went high very quickly and stayed a long time, when it lowers it plateaus and lingers. Mr.
237 Ramudo reported the intent would be to provide the alternate source of water when the salinity
238 levels are high throughout the summer and fall season. Mr. Levin was pleased to hear staff's
239 intentions and noted he hoped this will only apply to this season and once Gallagher Well No. 2
240 is online it will solve this problem. Mr. Levin noted the fill stations would then be available to
241 residents at the beginning for the high salinity levels and would imagine as soon as the salinity
242 levels are lower they will resume drinking at the tap. Mr. Levin stated that he hopes the federal
243 and state guidelines are actually safe, noting there are many people in town that do not agree
244 with the guidelines. He pointed out that besides the health related issues, people are concerned
245 with the taste. Mr. Levin stated he appreciated the dialog tonight and will report back to the
246 PRSVA. He asked if once there is a high salinity level detected in the water, if the District will
247 publish the number again in the Point Reyes Light so customers will know that an alternate source
248 will be made available to customers. Mr. Ramudo stated staff will continue to communicate and
249 make outreach to the public through the media, which includes the Point Reyes Light newspaper.

250 Director Grossi noted this is not an action item, however in order to provide a consensus
251 from the Board he believes Options 4 and 5 should not be considered, adding he prefers Option
252 1 and the need to monitor the salinity levels regularly. Mr. Ramudo suggested the levels be
253 reported weekly and he agreed that Option 1 would be good to follow, noting we don't know what
254 is going to happen nor when Gallagher Well No. 2 will come online. He stressed what is important
255 here is we service the people of West Marin. Mr. Ramudo noted dry year conditions are already
256 here, salinity in the Coast Guard Wells may increase more than they have so the District is
257 preparing for another historic year of salinity intrusion. Mr. McIntyre thanked Mr. Ramudo for
258 putting together the options and thanked Mr. Levin for continuing to have dialog with staff and the
259 Board on this issue. He stated it is all proactive planning to ensure we have a plan in place to
260 have low saline water available for our customers on salt restricted diets. Mr. McIntyre noted the
261 District is doing all we can to get the second Gallagher well in production. He stated Option 1 has
262 been vetted by the County of Marin and also the PRSVA and he believes it is a reasonable
263 solution to make water available to our customers. Director Joly stated we need to give our
264 customers a clear message that we are being proactive and we are addressing the issue. We
265 want to let the West Marin customers know we take this issue seriously and address it the best
266 we can. Director Joly thanked Mr. Levin for his input and being paramount in communication with
267 the residents of the PRSVA. Director Petterle agreed this is not a perfect solution to the salinity
268 problem, but it is a good start and we can always amend the plan if we need to.

269 There was a consensus that the preferred option was to use a temporary 5,000

polyethylene tank coupled to temporary fill stations to be located at the former Coast Guard Housing property.

FY 2020-21 SECOND QUARTER PROGRESS REPORT – WATER QUALITY

Mr. Ramudo reported on the FY 20-21 Quarterly Progress Report for Water Quality. He reported the Novato system source water at Stafford Lake, the treatment performance at Stafford Treatment Plant; and the Novato distribution system. He stated the District water was good with 253 samples collected and no coliform bacteria present in compliance with the Total Coliform Rule. Mr. Ramudo reported that there was a sample collected for compliance with the Disinfection Byproduct rule that had an unexpectedly high result at the entry point of water from the Stafford Treatment Plant. This was due to the plant being shut down for the season and no flow going to the sample station. The situation had been corrected by flushing and would be repeated annually when the treatment plant was shut down and valves were closed.

Director Joly asked with Stafford Lake so low and with the current backfeeding if there are any contamination issues to be concerned about. Mr. Ramudo replied there is no runoff from the watershed and we are filling the lake with clean drinking water; therefore, it is unlikely conditions would be any different than normal, in fact they could be better.

Mr. Ramudo also summarized the Point Reyes system source water at Coast Guard/Gallagher Wells, the performance at the Point Reyes Treatment Plant and the Point Reyes distribution system. He noted disinfection was adequate and we are compliant.

Director Joly asked if we test our recycled water. Mr. Ramudo confirmed, it is continually tested for chlorine and turbidity, and daily for bacteria. Director Joly was pleased there were no red flags on the quality of the District's recycled water. Mr. Ramudo stated that recycled water will have some bacteria present; but it is within the limits allowable and there are no pathogens. Director Joly stated it is important that the recycled water is tested and safe for contact with people. Mr. Ramudo stated, in addition to testing regularly for bacteria and pathogens the District tests for other parameters such as mineral content that can be a concern for irrigation of sensitive plants. He added that this information is available to customers.

FY 2020-21 SECOND QUARTER PROGRESS REPORT – OPERATIONS/MAINTENANCE

Mr. Clark updated the Board on the FY 2020-21 Second Quarter Progress Report for Operations/Maintenance. He reported on Safety; Maintenance, Operations, and Water Quality and provided a general overview on activities. He stated there were 44 consecutive days without a lost time injury and employees continue to have tailgate meetings to keep staff informed and up to date. Additionally, several trainings have taken place which include pre-employment skills tests, hearing tests, flagging and a shoring course. Mr. Clark also noted he continues to have

COVID related meetings with the North Bay Safety Managers.

Mr. Clark reported under Operations/Maintenance, staff is working on the backfeeding of Stafford Lake. In Point Reyes, water treatment was down 19% compared to the previous year; most likely a result of less tourism due to COVID. In Oceana Marin, wastewater volume was up due to more full-time residents residing in Oceana Marin during COVID. Mr. Clark apprised the Board there are currently ninety-one recycled water accounts and there are another six in the works. He added this is a good offset source for potable water.

Director Joly asked if there are no supply constraints on recycled water. Mr. Clark replied it is an ample drought tolerant source. He noted, in previous years some customers reduced their recycled water use without needing too, so we need to communicate with those customers so they understand dry year restrictions do not apply to recycled water.

Mr. Clark apprised the Board on the status of the Asset Management Program.

Director Grossi noted with the current dry year conditions and the low level of Stafford Lake he has seen things out there he has not seen before. Mr. Clark added Stafford Lake is the lowest it has been in seven to eight years. Director Fraites stated there are also lots of golf balls. Director Grossi asked if Indian Valley Golf Club every picked them up. Mr. Clark replied they do.

MISCELLANEOUS

The Board received the following miscellaneous items: Disbursements – Dated February 18, 2021, Disbursements – Dated February 25, 2021, Fire Hydrant Meter Summary and NOAA Three-Month Outlook Temperature and Precipitation Probability.

The Board received the following news articles; Point Reyes Light – Bo to ration water; Marin IJ – Marin balances local look with housing density laws; Point Reyes Light – North Marin outlines new water rate increase; Marin IJ – Voluntary water cutback urged – MARIN MUNICIPAL; Marin IJ - Overdue water bill payment plan set – MARIN MUNICIPAL.

President Grossi adjourned the meeting at 7:49 p.m.

Submitted by

Theresa Kehoe
District Secretary

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MEMORANDUM

To: Board of Directors March 12, 2021

From: Drew McIntyre, General Manager 
 Ryan Grisso, Water Conservation Coordinator 

Subject: Public Hearing to Consider an Emergency Water Conservation Ordinance in the
 Novato Service Area
v:\memos to board\public hearing for ordinance 41 in novato.doc

RECOMMENDED ACTION: Hold a public hearing to consider a Water Conservation Ordinance for the Novato Service Area

FINANCIAL IMPACT: None at this time

At the February 2, 2021 Regular Board Meeting, the Board received information on dry year conditions to-date in Novato and there has been no substantive rainfall as evidenced in the updated dry year rainfall table provided in Attachment 1. At the February 16, 2021 meeting, the Board approved backfeeding Stafford Lake with Russian River water while it's available. The Board was also alerted that NMWD staff was reviewing the Novato area Water Shortage Contingency Plan and Emergency Water Conservation Ordinance and consulting with legal counsel to determine the best course of action for 2021 given the dry year conditions. The resulting recommended action was to preemptively approve a Water Conservation Ordinance that included water waste prohibitions, and the option to approve detailed conservation measures by future resolutions once the final rainfall and SCWA water supply assessments have been determined in mid-April. This action has been recommended by legal counsel as the most efficient and effective way moving forward to navigate the evolving dry year conditions we are faced with this year. At the February 23 Special Board meeting the Board approved setting the public hearing for the March 2, 2021 Regular meeting to consider adoption of an Emergency Water Conservation Ordinance and at the March 2, 2021 meeting the Board approved rescheduling to the March 16, 2021 meeting. A copy of the Public Hearing Notice in the Marin IJ is provided as Attachment 2.

A draft Emergency Water Conservation Ordinance (Ordinance 41) is attached for Board review (Attachment 3). The Ordinance 41 draft includes a declaration that a water shortage emergency condition exists within the Novato Service Area, and specifically prohibits waste of water. In addition, the draft Ordinance authorizes future suspension of new or enlarged connections to the system via future resolution; authorizes future suspension of non-essential uses of water via future resolution; authorizes the imposition of administrative fines

and penalties for violations of the Ordinance; and authorizes the Board of Directors to make subsequent modifications to Ordinance 41 by resolution.

At this time the Board is asked to hold a public hearing to consider approval of an Emergency Water Conservation Ordinance (Ordinance 41) which prohibits the waste of water and will have the flexibility to update by resolution in the future with specific percentage reduction levels, non-essential use prohibitions, and other changes as needed.

Recommendation

Board to hold public hearing to consider an Emergency Water Conservation Ordinance in the Novato Service Area.

Dry Year Rainfall

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct-Dec Total	Water Year Total
1976	3.16	0.35	0.68	0.26	2.29	1.06	2.06	0.00	0.00	0.00	0.54	0.28	4.19	10.68
1977	0.43	1.45	1.25	2.17	1.33	2.69	0.15	1.04	0.00	0.00	0.08	0.70	3.13	11.29
1991	0.28	0.46	1.63	0.51	4.22	9.39	0.87	0.13	0.31	0.00	0.28	0.00	2.37	18.08
2007	0.53	2.91	4.66	0.58	4.87	0.13	1.14	0.38	0.02	0.01	0.02	0.06	8.10	15.31
2012	2.04	2.53	0.10	3.40	2.08	5.69	0.47	0.00	0.00	0.00	0.01	0.00	4.67	16.32
2013	2.06	6.47	8.02	0.67	0.57	0.71	1.10	0.05	0.40	0.00	0.00	0.33	16.55	20.38
2014	0.00	1.21	0.92	0.03	7.84	2.56	1.00	0.01	0.00	0.00	0.00	0.30	2.13	13.87
2018	0.29	3.40	0.04	6.20	0.61	5.51	3.13	0.06	0.00	0.00	0.01	0.00	3.73	19.25
2020	0.00	2.39	11.13	1.89	0.00	1.69	1.08	0.64	0.00	0.00	0.07	0.00	13.52	18.89
2021	0.00	0.47	1.62	3.98	0.79								2.09	6.86

T:\GM\BOD Misc 2021\[Dry Year Rainfall Data 03_12_21.xlsx]Sheet1

NORTH MARIN WATER DISTRICT
NOTICE OF PUBLIC HEARING
Summary of Ordinance No. 41

Tuesday, March 16, 2021 - 6:00 p.m.
Location: Virtual Meeting Via Zoom
(Please visit our website at www.nmwd.com.)

ATTENTION: This will be a virtual meeting of the Board of Directors pursuant to Executive Order N-29-20 issued by the Governor of the State of California.

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 the agenda.

Notice is given that the North Marin Water District Board of Directors will accept public comments and consider adoption of Ordinance 41, an emergency water conservation ordinance for the Novato Service Area, in response to dry year conditions, and in accordance with the Water Shortage Contingency Plan for Greater Novato Area. As proposed, Ordinance 41 includes a declaration that a water shortage emergency conditions exists within the Novato Service Area, prohibits waste of water, authorizes future suspension of new or enlarged connections to the system via future resolution, authorizes future suspension of non-essential uses of water via future resolution, authorizes the imposition of administrative fines and penalties for violations of the Ordinance, and authorizes the Board of Directors to make subsequent modifications to Ordinance 41 by resolution.

Copies of the Draft Emergency Water Conservation Ordinance 41 are available on the NMWD website at www.nmwd.com. In order to comply with Marin County Health Shelter in Place Order, inspection of the draft ordinance will not be available at the District office.

March 4, 2021

DRAFT

**NORTH MARIN WATER DISTRICT
NOVATO SERVICE AREA
EMERGENCY WATER CONSERVATION ORDINANCE NO. 41**

APRIL 1, 2021

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EMERGENCY WATER CONSERVATION ORDINANCE

ORDINANCE NO. 41

AN ORDINANCE OF NORTH MARIN WATER DISTRICT DECLARING THE EXISTENCE OF A WATER SHORTAGE EMERGENCY CONDITION WITHIN THE NOVATO SERVICE AREA OF THE DISTRICT, PROHIBITING THE WASTE AND NON-ESSENTIAL USE OF WATER, AND PROVIDING FOR THE CONSERVATION OF THE WATER SUPPLY OF THE DISTRICT

BE IT ORDAINED by the Board of Directors of North Marin Water District as follows:

Section 1. Declaration of a Water Shortage Emergency

This Board of Directors does hereby find and declare as follows:

(a) A public hearing was held on March 16, 2021, on the matter of whether this Board of Directors should declare a water shortage emergency condition exists within the Novato water service area of this District which is served by Stafford Lake and the North Marin Aqueduct.

(b) Notice of said hearing was published in the Marin Independent Journal, newspaper of general circulation printed and published within said water service area of the District.

(c) At said hearing all persons present were given an opportunity to be heard and all persons desiring to be heard were heard.

(d) Said hearing was called, noticed, and held in all respects as required by law.

(e) This Board heard and has considered each protest against the declaration and all evidence presented at said hearing.

(f) A water shortage emergency condition exists and prevails within the portion of the territory of this District served by Stafford Lake and the North Marin Aqueduct. Said portion of this District is hereinafter referred to as the Novato Service Area and consists in all the territory of this District except the portions hereof in the western part of Marin County denominated Annexations 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15 and 16 generally known as Point Reyes Station, Inverness Park, Olema, Oceana Marin, and territories on the east shore of Tomales Bay. Said water shortage exists by reason of the fact that the ordinary demands and requirements of the water consumers in the Novato Service Area cannot be met and satisfied by the water supplies available to this District in the Novato Service Area without depleting the water supply to the extent that there would be insufficient water for human consumption, sanitation and fire protection.

(g) On April 19, 2016 the Board of Directors enacted the North Marin Water District Water Shortage Contingency Plan for the Greater Novato Area (Plan) and said Plan defines specific triggers for stages of action applicable to District customers. The specific triggers for stages of action vary and are determined based on advice and action of Sonoma County Water Agency regarding water supply conditions on the Russian River and in Lake Sonoma from which approximately eighty percent of the District's water supply for the Novato Service Area is delivered through the North Marin Aqueduct.

Section 2. Purpose and Authority

The purpose of this ordinance is to conserve the water supply of the District for the greatest public benefit with particular regard to public health, fire protection and domestic use, to conserve water by reducing waste, and to the extent necessary by reason of the existing water shortage emergency condition to reduce water use fairly and equitably. This ordinance is adopted pursuant

to Water Code Section 350 to and including 358, Section 375 to and including 378, and Section 31026 to and including 31029.

Section 3. Effect of Ordinance

This ordinance shall take effect on April 1, 2021, shall be effective only in the Novato Service Area, shall supersede and control over any other ordinance or regulation of the District in conflict herewith, and shall remain in effect until the Board of Directors declares by resolution that the water shortage emergency condition has ended. This ordinance, and all provisions contained herein, may be modified by resolution of the Board of Directors. If any provision of this ordinance, including the rules and regulations attached hereto and incorporated herein, or any part thereof, is for any reason held to be ultra vires, invalid, or unconstitutional, the remaining provisions of this ordinance shall not be affected, but shall remain in full force and effect, and to this end the provisions of this ordinance are severable.

Section 4. Suspension of New Connections to the District's Water System

(a) Until the Board of Directors declares by resolution that the water shortage emergency condition has ended, the Board of Directors may determine by resolution that no new or enlarged connection shall be made to the District's water system except under certain conditions.

Section 5. Waste of Water Prohibited

No water furnished by the District shall be wasted. Waste of water includes, but is not limited to, the following:

(a) The washing of sidewalks, walkways, driveways, parking lots and other hard surfaced areas by direct hosing when runoff water directly flows to a gutter or storm drain, except as may be necessary to properly dispose of flammable or other dangerous liquids or substances, wash away spills that present a trip and fall hazard, or to prevent or eliminate materials dangerous to the public health and safety;

(b) The escape of water through breaks or leaks within the customers' plumbing or private distribution system for any substantial period of time within which such break or leak should reasonably have been discovered and corrected. It shall be presumed that a period of seventy-two (72) hours after the customer discovers such a break or leak or receives notice from the District, is a reasonable time within which to correct such break or leak, or, as a minimum, to stop the flow of water from such break or leak;

(c) Irrigation in a manner or to an extent which allows excessive run-off of water or unreasonable over-spray of the areas being watered. Every customer is deemed to have his/her water system under control at all times, to know the manner and extent of his/her water use and any run-off, and to employ available alternatives to apply irrigation water in a reasonably efficient manner;

(d) Washing cars, boats, trailers or other vehicles and machinery directly with a hose not equipped with a shutoff nozzle;

(e) Water for non-recycling decorative water fountains;

(f) Water for new non-recirculating conveyor car wash systems;

(g) Water for new non-recirculating industrial clothes wash systems;

(h) Water for single pass coolant systems;

(i) Potable water for outdoor landscaping during or within 48 hours of measurable rainfall;

- (j) Potable water on ornamental turf in public street medians;
- (k) Drinking water other than on request in eating or dining establishments; and
- (l) Water for the daily laundering of towels and linens in hotels and motels without offering guests the option of choosing not to have daily laundering.

Section 6. Prohibition of Non-Essential Use of Water

(a) No water furnished by the District shall be used for any purpose declared to be non-essential by resolution of the Board of Directors and in accordance with the Water Shortage Contingency Plan for the Greater Novato Service Area.

Section 7. Variances

Applications for a variance from the provisions of Section 6 of this ordinance may be made to the General Manager. The General Manager may grant a variance to permit a use of water otherwise prohibited by Section 6 if the General Manager determines that the variance is reasonably necessary to protect the public health and safety and/or economic viability of commercial operation. Any decision of the General Manager under this section may be appealed to the Board of Directors.

Section 8. Violations

(a) After the publication or posting of this ordinance as provided in Water Code Section 31027, it is a misdemeanor for any person to use or apply water received from the District contrary to or in violation of Section 5 or Section 6 of this ordinance. Pursuant to the authority provided in in Government Code section 53069.4, the District may impose administrative fines and penalties against any person found to be in violation of this ordinance. The purpose of the administrative fines and penalties assessed pursuant to this ordinance is to assure future compliance by customers through the imposition of increasingly significant fines and penalties so as to create a meaningful disincentive to commit future violations of the rules and regulations contained and referenced herein.

(b) If and when the District becomes aware of any violation of any provision of Section 5 or 6 of this ordinance, a verbal warning will be given, then if the violation continues or is repeated, a written notice shall be placed on the property where the violation occurred and mailed to the person who is regularly billed for the service where the violation occurs and to any other person known to the District who is responsible for the violation or its correction. Said notice shall describe the violation and order that it be corrected, cured and abated immediately or within such specified time as the General Manager determines is reasonable under the circumstances. If said order is not complied with, the District shall impose an administrative fine of not more than two hundred fifty dollars (\$250) for a first offense, and five hundred dollars (\$500) for a second offense, and may disconnect the service where the violation occurs.

(c) A fee of \$35 during normal business hours and \$60 during after-hours and weekends shall be paid for the first reconnection of any service disconnected pursuant to this ordinance during the suspension period. For each subsequent disconnection, the fee for reconnection shall be \$35 during normal business hours and \$60 during after-hours and weekends.

(d) No service which is disconnected twice because of a violation of Section 5 or 6 of this ordinance during the suspension period, shall be reconnected unless a device supplied by the District which will restrict the flow of water to said service is installed. Furthermore, the fee for installation of such a flow restriction device during the suspension period shall be \$100 in addition to the fee required by subsection (c) hereof.

Section 9. Signs on Lands Supplied from Private Wells or Recycled Water

The owner or occupant of any land within the Novato water service area that is supplied with water from a private well or with recycled water shall post and maintain in a conspicuous place thereon a sign furnished by the District giving public notice of such supply.

Section 10. Drought Surcharge

Notwithstanding anything to the contrary in District Regulation 54, in the event a mandatory reduction in water use is triggered under the District's Water Shortage Contingency Plan for the Novato Service Area, A Drought Surcharge may be implemented by resolution of the Board of Directors simultaneous with, or subsequent to, enactment of the mandatory stage, in the sole discretion of the Board of Directors. The Drought Surcharge will serve to mitigate the revenue loss resulting from a reduction in water use, as well as liquidated damages assessed by the Sonoma County Water Agency pursuant to the water shortage and apportionment provisions of the Restructured Agreement for Water Supply. The Drought Surcharge shall be a quantity charge for each 1,000 gallons as specified in District Regulation 54. Any Drought Surcharge shall be adopted and implemented in compliance with applicable law, including Article XIII C of the California Constitution.

* * * * *

I hereby certify that the foregoing is a true and complete copy of an ordinance duly and regularly adopted by the Board of Directors of North Marin Water District at a regular meeting thereof held on March 16, 2021 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

(SEAL)

Terrie Kehoe
District Secretary
North Marin Water District

6

MEMORANDUM

To: Board of Directors March 12, 2021
 From: Drew McIntyre, General Manager 
 Ryan Grisso, Water Conservation Coordinator RB
 Subject: Public Hearing to Consider Amending Ordinance 39 in the West Marin Service Area
v:\memos to board\public hearing to amend ord 39 in wm.doc

RECOMMENDED ACTION: Hold a public hearing to consider amending Ordinance 39 in the West Marin Service Area

FINANCIAL IMPACT: None

This year rainfall in the Lagunitas Creek watershed measured by Marin Municipal Water District (Marin Municipal) totals 17.9 inches through March 9th, ~10-inches below that necessary for normal year classification (i.e., 28-inches or more by April 1st). In West Marin, we are still operating under the dry year conditions which went into effect last April 1, 2020 and resulted in the Board adopting an Emergency Water Conservation Ordinance (Ordinance 39) on May 5, 2020. It is highly unlikely that Kent Lake rainfall will equal or exceed 28-inches by April 1 of this year resulting in a continuation of the dry year designation on Lagunitas Creek for a second year in a row (creek flows between June 16th and November 1st will again be set at 6 cubic feet per second). Since the State Water Resources Control Board (SWRCB) Order 95-17 was issued in 1995, dry year conditions on Lagunitas Creek have occurred in 2014 and 2020. This will be the third year that the District operates with flows in Lagunitas Creek at less than 8 cfs during the summer under dry year conditions.

Additionally, our intertie agreement with Marin Municipal enables the District to request up to 250 acre-feet (AF) of water to be released from storage to Lagunitas Creek for re-diversion by the District. For each AF of water released by Marin Municipal for this purpose we are to pay the cost of approximately \$234 per acre/ft. The intertie agreement also requires that if Marin Municipal has requested voluntary or mandatory water use reductions of its customers, that the District would require its West Marin customers to reduce water use by a similar percentage. At Marin Municipal's February 16, 2021 Board meeting they approved a voluntary conservation request but did not specify a percentage reduction level and will re-visit the subject at a future MMWD Board meeting to determine if mandatory conservation actions are needed.

At the February 23 Special Board meeting the Board approved setting the public hearing for the March 2, 2021 Regular meeting to consider amending West Marin Emergency Water Conservation Ordinance No. 39 and at the March 2, 2021 meeting the Board approved rescheduling

to the March 16, 2021 meeting. A copy of the Public Hearing Notice in the Point Reyes Light is provided as Attachment 1.

At this time the Board is asked to hold a public hearing to consider amending Ordinance 39 to allow flexibility to make changes to the Ordinance in the future by resolution. A draft amended Ordinance 39 is attached in both clean and strikeout version for your review (Attachment 2). This action has been recommended by legal counsel as the most efficient and effective way moving forward to navigate the evolving dry year conditions we are facing this year. The proposed amendments to Ordinance 39 authorize the Board of Directors to make subsequent modifications to the Ordinance by resolution and authorizes the imposition of administrative fines and penalties for violations. Ordinance 39 currently provides for the imposition of water use restrictions and prohibits specific uses of water in order to ensure adequate water supplies are available to serve public health and safety requirements within the West Marin Service Area.

Recommendation

Board hold a public hearing to consider amending Ordinance 39 in the West Main Service Area.

POINT REYES LIGHT March 4, 2021

<p style="text-align: center;">NORTH MARIN WATER DISTRICT NOTICE OF PUBLIC HEARING Summary of Proposed Amendment to Ordinance No. 38</p> <p style="text-align: center;">Tuesday, March 16, 2021 -- 6:00 p.m. Location: Virtual Meeting Via Zoom (Please visit our website at www.nmwd.com.)</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"><p>ATTENTION: This will be a virtual meeting of the Board of Directors pursuant to Executive Order N-29-20 issued by the Governor of the State of California.</p><p>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 the agenda.</p></div> <p>Notice is given that the North Marin Water District Board of Directors will accept public comments and consider amending Ordinance No. 38, an emergency conservation ordinance for the West Marin Service Area in response to continued dry year conditions on Lagunitas Creek and pursuant to State Water Resources Control Board Order 95-17 for water right permits issued to North Marin Water District. The proposed amendments to Ordinance 38 authorize the Board of Directors to make subsequent modifications to the Ordinance by resolution and authorizes the imposition of administrative fines and penalties for violations of the Ordinance. Ordinance 38 currently provides for the imposition of water use restrictions and prohibits specific uses of water in order to ensure adequate water supplies are available to serve public health and safety requirements within the West Marin Service Area.</p> <p>Copies of the Draft Amended Emergency Water Conservation Ordinance 39 are available on the NMWD website at www.nmwd.com. In order to comply with Marin County Health Shelter in Place Order, inspection of the draft ordinance will not be available at the District office.</p>
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DRAFT

**NORTH MARIN WATER DISTRICT
WEST MARIN SERVICE AREA
EMERGENCY WATER CONSERVATION ORDINANCE NO. 39**

Adopted May 5, 2020
Modified March 16, 2021

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EMERGENCY WATER CONSERVATION ORDINANCE

ORDINANCE NO. 39

AN ORDINANCE OF NORTH MARIN WATER DISTRICT DECLARING THE EXISTENCE OF A WATER SHORTAGE EMERGENCY CONDITION WITHIN THE WEST MARIN SERVICE AREA OF THE DISTRICT, PROHIBITING THE WASTE AND NON-ESSENTIAL USE OF WATER, AND PROVIDING FOR THE CONSERVATION OF THE WATER SUPPLY OF THE DISTRICT

BE IT ORDAINED by the Board of Directors of North Marin Water District as follows:

Section 1. Declaration of a Water Shortage Emergency

This Board of Directors does hereby find and declare as follows:

(a) On May 5, 2020, the Board of Directors held a public hearing and adopted Ordinance 39 declaring a water shortage emergency condition exists and prevails within the portion of the territory of this District served by wells adjacent to Lagunitas Creek. Said portion of this District is hereinafter referred to as the West Marin Service Area and consists in all the territory of this District generally known as Point Reyes Station, Inverness Park, Olema, Bear Valley and Paradise Ranch Estates. Said water shortage exists by reason of the fact that the ordinary demands and requirements of the water consumers in the West Marin Service Area cannot be met and satisfied by the water supplies available to this District in the West Marin Service Area without depleting the water supply to the extent that there would be insufficient water for human consumption, sanitation and fire protection.

(b) On May 5, 2020 the Board of Directors also enacted the North Marin Water District Water Shortage Contingency Plan for the West Marin Service Area (Plan) and said Plan defines specific triggers for stages of action applicable to District customers, and pursuant to this ordinance. The specific triggers for stages of action vary and are determined based on rainfall measured at the Marin Municipal Water District Kent precipitation gage, calendar period and water demands in the West Marin Service Area.

(c) A public hearing was held on March 16, 2021, on the matter of whether this Board of Directors should consider amending Ordinance 39, an emergency conservation ordinance for the West Marin water service area of this District which is served by wells adjacent to Lagunitas Creek.

(d) Notice of said hearing was published in the Point Reyes Light, newspaper of general circulation printed and published within said West Marin water service area of the District.

(e) At said hearing all persons present were given an opportunity to be heard and all persons desiring to be heard were heard.

(f) Said hearing was called, noticed, and held in all respects as required by law.

(g) This Board heard and has considered each protest against the proposed amendment and all evidence presented at said hearing.

Section 2. Purpose and Authority

The purpose of this ordinance is to conserve the water supply of the District for the greatest

public benefit with particular regard to public health, fire protection and domestic use, to conserve water by reducing waste, and to the extent necessary by reason of the existing water shortage emergency condition to reduce water use fairly and equitably. This ordinance is adopted pursuant to Water Code Section 350 to and including 358, Section 375 to and including 378, and Section 31026 to and including 31029.

Section 3. Effect of Ordinance

This ordinance, as amended, shall take effect on April 1, 2021, shall be effective only in the West Marin Service Area, shall supersede and control over any other ordinance or regulation of the District in conflict herewith, and shall remain in effect until the Board of Directors declares by resolution that the water shortage emergency condition has ended. This ordinance, and all provisions contained herein, may be modified by resolution of the Board of Directors. If any provision of this ordinance, including the rules and regulations attached hereto and incorporated herein, or any part thereof, is for any reason held to be ultra vires, invalid, or unconstitutional, the remaining provisions of this ordinance shall not be affected, but shall remain in full force and effect, and to this end the provisions of this ordinance are severable.

Section 4. Suspension of New Connections to the West Marin Service Area

(a) From July 1, 2021 until the Board of Directors by resolution declares that the water shortage emergency condition has ended, which period is hereinafter referred to as the suspension period, no new or enlarged connection shall be made to the West Marin Service Area except the following:

- (1) connection pursuant to the terms of connection agreements which prior to July 1, 2021, had been executed or had been authorized by the Board of Directors to be executed;
- (2) connections of fire hydrants;
- (3) connections of property previously supplied with water from a well which runs dry.
- (4) connection of property for which the Applicant agrees to defer landscape installation until after the suspension period.

(b) During the suspension period applications for water service will be processed only if the Applicant acknowledges in writing that such processing shall be at the risk and expense of the Applicant and that if the application is approved in accordance with the District's regulations, such approval shall confer no right upon the Applicant or anyone else until the suspension period has expired, and that the Applicant releases the District from all claims of damage arising out of or in any manner connected with the suspension of connections.

(c) Upon the expiration of the suspension period, the District will make connections to its water system in accordance with its regulations and the terms of connection agreements for all said applications approved during the suspension period. The water supply then available to the District will be apportioned equitably among all the customers then being served by the District without discrimination against services approved during the suspension period.

(d) Nothing herein shall prohibit or restrict any modification, relocation or replacement of a connection to the District's system if the General Manager determines that the demand upon the District's water supply will not be increased thereby.

Section 5. Waste of Water Prohibited

No water furnished by the District shall be wasted. Waste of water includes, but is not limited to, the following:

(a) The washing of sidewalks, walkways, driveways, parking lots and other hard surfaced areas by direct hosing when runoff water directly flows to a gutter or storm drain, except as may be necessary to properly dispose of flammable or other dangerous liquids or substances, wash away spills that present a trip and fall hazard, or to prevent or eliminate materials dangerous to the public health and safety;

(b) The escape of water through breaks or leaks within the customers' plumbing or private distribution system for any substantial period of time within which such break or leak should reasonably have been discovered and corrected. It shall be presumed that a period of seventy-two (72) hours after the customer discovers such a break or leak or receives notice from the District, is a reasonable time within which to correct such break or leak, or, as a minimum, to stop the flow of water from such break or leak;

(c) Irrigation in a manner or to an extent which allows excessive run-off of water or unreasonable over-spray of the areas being watered. Every customer is deemed to have his/her water system under control at all times, to know the manner and extent of his/her water use and any run-off, and to employ available alternatives to apply irrigation water in a reasonably efficient manner;

(d) Washing cars, boats, trailers or other vehicles and machinery directly with a hose not equipped with a shutoff nozzle;

(e) Water for non-recycling decorative water fountains;

(f) Water for new non-recirculating conveyor car wash systems;

(g) Water for new non-recirculating industrial clothes wash systems;

(h) Water for single pass coolant systems;

(i) Potable water for outdoor landscaping during or within 48 hours of measurable rainfall;

(j) Potable water on ornamental turf in public street medians;

(k) Drinking water other than on request in eating or dining establishments;

(l) Water for the daily laundering of towels and linens in hotels and motels without offering guests the option of choosing not to have daily laundering.

Section 6. Prohibition of Non-Essential Use of Water

(a) No water furnished by the District shall be used for any purpose declared to be non-essential by this ordinance, or resolution modifying this ordinance, for the following stages of action as determined by the Board of Directors after considering specific triggers consistent with the Water Shortage Contingency Plan for the West Marin Service Area.

Stage 1 - Voluntary Stage (15% reduction). Achieve 15% reduction in water usage compared to the corresponding billing period in 2013 by encouraging voluntary rationing, enforcement of water wasting regulations and water conservation Regulation 17, requesting customers to make conscious efforts to conserve water, request restaurants to serve water only upon request, encourage private sector to use alternate source and encourage night irrigation.

Stage 2 - Mandatory Stage (25% reduction)

(b) The following uses are declared to be non-essential from and after July 1 through November 1:

- (1) washing sidewalks, driveways, parking areas, tennis courts, patios or other exterior paved areas except by the Marin County Fire Department or other public agency for the purpose of public safety;
- (2) refilling a swimming pool completely drained after July 1, 2020;
- (3) non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.
- (4) Request restaurants to serve water only upon request.

(c) The following additional uses are declared to be non-essential from and after July 1, 2020:

- (1) any use of water from a fire hydrant except for fighting fires, human consumption, essential construction needs or use in connection with animals;
- (2) watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a handheld hose equipped with an automatic shut-off nozzle, container or drip irrigation system except overhead sprinkler irrigation can be used if customer maintains an overall 25% reduction in water use compared to the corresponding billing period in 2013, (customers using less than 200 gallons per day are permitted to water their landscape without a 25% reduction) and properly operates the irrigation system in a non-wasteful manner between the hours of 7:00 p.m. and 9:00 a.m. the next day. If sprinkler water is used in a wasteful manner, the General Manager may prohibit sprinkling by that customer.
- (3) Irrigating landscape more than 3 days per week or within 48 hours of measurable rainfall.
- (4) Irrigating lawn area on public street medians.
- (5) use of water for dust control at construction sites;
- (6) initial filling of any swimming pool for which application for a building permit was made after May 5, 2020;
- (7) use by a vehicle washing facility in excess of 25% less than the amount used by it during the corresponding billing period in 2013. If the facility was not operating in 2013, an assumed amount shall be computed by the District from its records.
- (8) any non-residential use in excess of 25% less than the amount used by the customer during the corresponding billing period in 2013. If connection to the District system was not in existence or use in 2013, an assumed amount will be computed from the District's records.
- (9) Intertie deliveries to Inverness Public Utilities District (IPUD), except for critical needs as determined by the General Manager
- (10) Deliveries to customers outside the service area except as needed for human consumption, sanitation and public safety or as stipulated in outside service agreements.

Stage 3 - Severe Mandatory Rationing (50% reduction)

(d) From and after the date that the Board of Directors, by resolution, determines that the water shortage emergency requires severe rationing, the following additional uses are declared to be non-essential:

- (1) Watering any residential lawn, or any commercial or industrial area lawn maintained for aesthetic purposes, at any time of the day or night during the period of August 1, through October 31, when a Stage 3 is in progress.
- (2) Planting any new landscaping, except for designated drought resistant landscaping prescribed by the District.
- (3) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand-held nozzle. An exception will be made for carefully timed drip irrigation for established perennial plants and trees. Only sufficient water for assured plant survival may be applied.
- (4) No new annual plants, vegetables, flowers or vines may be planted during the Stage 3 emergency period. An exception will be made for customers who are eliminating existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.

The combined rationing including Stage 1, 2, and 3 is designed to achieve a minimum reduction of 50% or more in West Marin service territory water consumption as compared with normal year annual usage.

(e) The percentages stipulated in Stage 2 and Stage 3 may be increased by the General Manager for any class of customer if the General Manager determines that such increase is necessary to protect the public health, safety and welfare or to spread equitably among the water users of the District the burdens imposed by the drought and the shortage in the District's water supply.

Section 7. Variances

Applications for a variance from the provisions of Section 6 of this ordinance may be made to the General Manager. The General Manager may grant a variance to permit a use of water otherwise prohibited by Section 6 if the General Manager determines that the variance is reasonably necessary to protect the public health and safety and/or economic viability of a commercial operation. Any decision of the General Manager under this section may be appealed to the Board of Directors.

Section 8. Violations

(a) After the publication or posting of this ordinance as provided in Water Code Section 31027, it is a misdemeanor for any person to use or apply water received from the District contrary to or in violation of Section 5 or Section 6 of this ordinance. Pursuant to the authority provided in Government Code section 53069.4, the District may impose administrative fines and penalties against any person found to be in violation of this ordinance. The purpose of the administrative fines and penalties assessed pursuant to this ordinance is to assure future compliance by customers through the imposition of increasingly significant fines and penalties so as to create a meaningful disincentive to commit future violations of the rules and regulations contained and referenced herein.

(b) If and when the District becomes aware of any violation of any provision of Section 5 or 6

of this ordinance, a verbal warning will be given, then if the violation continues or is repeated, a written notice shall be placed on the property where the violation occurred and mailed to the person who is regularly billed for the service where the violation occurs and to any other person known to the District who is responsible for the violation or its correction. Said notice shall describe the violation and order that it be corrected, cured and abated immediately or within such specified time as the General Manager determines is reasonable under the circumstances. If said order is not complied with, the District shall impose an administrative fine of not more than two hundred fifty dollars (\$250) for a first offense, and five hundred dollars (\$500) for a second offense, and may disconnect the service where the violation occurs.

(c) A fee of \$35 during normal business hours and \$60 during after-hours and weekends shall be paid for the first reconnection of any service disconnected pursuant to this ordinance during the suspension period. For each subsequent disconnection, the fee for reconnection shall be \$35 during normal business hours and \$60 during after-hours and weekends.

(d) No service which is disconnected twice because of a violation of Section 5 or 6 of this ordinance during the suspension period, shall be reconnected unless a device supplied by the District which will restrict the flow of water to said service is installed. Furthermore, the fee for installation of such a flow restriction device during the suspension period shall be \$100 in addition to the fee required by subsection (c) hereof.

(e) Violations of this ordinance, and the rules and regulations contained and referenced herein, shall remain subject to administrative fines and penalties, until this ordinance has been repealed, or the Board of Directors declares by resolution that the water shortage emergency condition has ended. Violations pursuant to other District rules, regulations, or federal or state law shall not be affected by this section and shall continue to be enforced pursuant to their terms. The District reserves the right to pursue, in its sole discretion, any additional remedies available to it by law, including criminal, civil, and administrative remedies as necessary.

(e) District determinations made pursuant to this Ordinance may be appealed in writing to the District's General Manager or his designee, whose decision shall be final and binding.

Section 9. Signs on Lands Supplied from Private Wells

The owner or occupant of any land within the West Marin water service area that is supplied with water from a private well shall post and maintain in a conspicuous place thereon a sign furnished by the District giving public notice of such supply.

Section 10. Drought Surcharge

Notwithstanding anything to the contrary in District Regulation 54, in the event a mandatory reduction in water use is triggered under the District's Water Shortage Contingency Plan for the West Marin Service Area, a Drought Surcharge may be implemented by resolution of the Board of Directors simultaneous with, or subsequent to, enactment of the mandatory stage, in the sole discretion of the Board of Directors. The Drought Surcharge will serve to mitigate the revenue loss resulting from a reduction in water use, as well as to offset the cost for water purchased from Marin Municipal Water District (MMWD) under the Interconnection Agreement between North Marin Water District and MMWD triggered by dry year conditions. The Drought Surcharge shall be a quantity charge for each 1,000 gallons as specified in District Regulation 54. Any Drought Surcharge shall be adopted and implemented in compliance with applicable law, including Article XIII C of the California Constitution.

* * * * *

I hereby certify that the foregoing is a true and complete copy of an ordinance duly and regularly adopted by the Board of Directors of North Marin Water District at a regular meeting thereof held on March 16, 2021 by the following vote:

AYES:
NOES:
ABSENT:
ABSTAINED:

(SEAL)

Theresa Kehoe
District Secretary
North Marin Water District

DRAFT

**NORTH MARIN WATER DISTRICT
WEST MARIN SERVICE AREA
EMERGENCY WATER CONSERVATION ORDINANCE NO. 39**

Adopted May 5, 2020
Modified March 16, 2021

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EMERGENCY WATER CONSERVATION ORDINANCE

ORDINANCE NO. 39

AN ORDINANCE OF NORTH MARIN WATER DISTRICT DECLARING THE EXISTENCE OF A WATER SHORTAGE EMERGENCY CONDITION WITHIN THE WEST MARIN SERVICE AREA OF THE DISTRICT, PROHIBITING THE WASTE AND NON-ESSENTIAL USE OF WATER, AND PROVIDING FOR THE CONSERVATION OF THE WATER SUPPLY OF THE DISTRICT

BE IT ORDAINED by the Board of Directors of North Marin Water District as follows:

Section 1. Declaration of a Water Shortage Emergency

This Board of Directors does hereby find and declare as follows:

~~(a) A public hearing was held on~~ On May 5, 2020, ~~on the matter of whether this~~ Board of Directors ~~should declare~~ held a public hearing and adopted Ordinance 39 declaring a water shortage emergency condition exists within the West Marin water service area of this District which is served by wells adjacent to Lagunitas Creek.

~~(a) (b) Notice of said hearing was published in the Point Reyes Light, newspaper of general circulation printed and published within said West Marin water service area of the District.~~

~~(a) (c) At said hearing all persons present were given an opportunity to be heard and all persons desiring to be heard were heard.~~

~~(d) Said hearing was called, noticed and held in all respects as required by law.~~

~~(e) This Board heard and has considered each protest against the declaration and all evidence presented at said hearing.~~

~~(a) (f)~~ A water shortage emergency condition exists and prevails within the portion of the territory of this District served by wells adjacent to Lagunitas Creek. Said portion of this District is hereinafter referred to as the West Marin Service Area and consists in all the territory of this District generally known as Point Reyes Station, Inverness Park, Olema, Bear Valley and Paradise Ranch Estates. Said water shortage exists by reason of the fact that the ordinary demands and requirements of the water consumers in the West Marin Service Area cannot be met and satisfied by the water supplies available to this District in the West Marin Service Area without depleting the water supply to the extent that there would be insufficient water for human consumption, sanitation and fire protection.

~~(g)~~

~~(b)~~ On May 5, 2020 the Board of Directors also enacted the North Marin Water District Water Shortage Contingency Plan for the West Marin Service Area (Plan) and said Plan defines specific triggers for stages of action applicable to District customers, and pursuant to this ordinance. The specific triggers for stages of action vary and are determined based on rainfall measured at the Marin Municipal Water District Kent precipitation gage, calendar period and water demands in the West Marin Service Area.

~~(c) A public hearing was held on March 16, 2021, on the matter of whether this Board of Directors should consider amending Ordinance 39, an emergency conservation ordinance for the West Marin water service area of this District which is served by wells adjacent to Lagunitas Creek.~~

(d) Notice of said hearing was published in the Point Reyes Light, newspaper of general circulation printed and published within said West Marin water service area of the District.

(e) At said hearing all persons present were given an opportunity to be heard and all persons desiring to be heard were heard.

(f) Said hearing was called, noticed, and held in all respects as required by law.

(g) This Board heard and has considered each protest against the proposed amendment and all evidence presented at said hearing.

Section 2. Purpose and Authority

The purpose of this ordinance is to conserve the water supply of the District for the greatest public benefit with particular regard to public health, fire protection and domestic use, to conserve water by reducing waste, and to the extent necessary by reason of the existing water shortage emergency condition to reduce water use fairly and equitably. This ordinance is adopted pursuant to Water Code Section 350 to and including 358, ~~Sections~~Section 375 to and including 378, and Section 31026 to and including 31029.

Section 3. Effect of Ordinance

This ordinance, as amended, shall take effect on ~~May 5, 2020~~April 1, 2021, shall be effective only in the West Marin Service Area, shall supersede and control over any other ordinance or regulation of the District in conflict herewith, and shall remain in effect until the Board of Directors declares ~~that the water shortage emergency has ended~~by resolution that the water shortage emergency condition has ended. This ordinance, and all provisions contained herein, may be modified by resolution of the Board of Directors. If any provision of this ordinance, including the rules and regulations attached hereto and incorporated herein, or any part thereof, is for any reason held to be ultra vires, invalid, or unconstitutional, the remaining provisions of this ordinance shall not be affected, but shall remain in full force and effect, and to this end the provisions of this ordinance are severable.

Section 4. Suspension of New Connections to the West Marin Service Area

(a) From July 1, ~~2020~~2021 until, the Board of Directors by resolution declares that the water shortage emergency condition has ended, which period is hereinafter referred to as the suspension period, no new or enlarged connection shall be made to the West Marin Service Area except the following:

- (1) connection pursuant to the terms of connection agreements which prior to July 1, ~~2020~~2021, had been executed or had been authorized by the Board of Directors to be executed;
- (2) connections of fire hydrants;
- (3) connections of property previously supplied with water from a well which runs dry.
- (4) connection of property for which the Applicant agrees to defer landscape installation until after the suspension period.

(b) During the suspension period applications for water service will be processed only if the Applicant acknowledges in writing that such processing shall be at the risk and expense of the Applicant and that if the application is approved in accordance with the District's regulations, such approval shall confer no right upon the Applicant or anyone else until the suspension period has expired, and that the Applicant releases the District from all claims of damage arising out of or in any manner connected with the suspension of connections.

(c) Upon the expiration of the suspension period, the District will make connections to its water system in accordance with its regulations and the terms of connection agreements for all said applications approved during the suspension period. The water supply then available to the District will be apportioned equitably among all the customers then being served by the District without discrimination against services approved during the suspension period.

(d) Nothing herein shall prohibit or restrict any modification, relocation or replacement of a connection to the District's system if the General Manager determines that the demand upon the District's water supply will not be increased thereby.

Section 5. Waste of Water Prohibited

No water furnished by the District shall be wasted. Waste of water includes, but is not limited to, the following:

~~(a) permitting water to escape down a gutter, ditch or other surface drain;~~

~~(b) failure to repair a controllable leak of water;~~

~~(c) failure to put to reasonable beneficial use any water withdrawn from the District's system.~~

(a) The washing of sidewalks, walkways, driveways, parking lots and other hard surfaced areas by direct hosing when runoff water directly flows to a gutter or storm drain, except as may be necessary to properly dispose of flammable or other dangerous liquids or substances, wash away spills that present a trip and fall hazard, or to prevent or eliminate materials dangerous to the public health and safety;

(b) The escape of water through breaks or leaks within the customers' plumbing or private distribution system for any substantial period of time within which such break or leak should reasonably have been discovered and corrected. It shall be presumed that a period of seventy-two (72) hours after the customer discovers such a break or leak or receives notice from the District, is a reasonable time within which to correct such break or leak, or, as a minimum, to stop the flow of water from such break or leak;

(c) Irrigation in a manner or to an extent which allows excessive run-off of water or unreasonable over-spray of the areas being watered. Every customer is deemed to have his/her water system under control at all times, to know the manner and extent of his/her water use and any run-off, and to employ available alternatives to apply irrigation water in a reasonably efficient manner;

(d) Washing cars, boats, trailers or other vehicles and machinery directly with a hose not equipped with a shutoff nozzle;

(e) Water for non-recycling decorative water fountains;

(f) Water for new non-recirculating conveyor car wash systems;

(g) Water for new non-recirculating industrial clothes wash systems;

(h) Water for single pass coolant systems;

(i) Potable water for outdoor landscaping during or within 48 hours of measurable rainfall;

(j) Potable water on ornamental turf in public street medians;

(k) Drinking water other than on request in eating or dining establishments;

(l) Water for the daily laundering of towels and linens in hotels and motels without offering guests the option of choosing not to have daily laundering.

Section 6. Prohibition of Non-Essential Use of Water

(a) No water furnished by the District shall be used for any purpose declared to be non-essential by this ordinance, or resolution modifying this ordinance, for the following stages of action as determined by the Board of Directors after considering specific triggers consistent with the Water Shortage Contingency Plan for the West Marin Service Area.

Stage 1 - Voluntary Stage (15% reduction). Achieve 15% reduction in water usage compared to the corresponding billing period in 2013 by encouraging voluntary rationing, enforcement of water wasting regulations and water conservation Regulation 17, requesting customers to make conscious efforts to conserve water, request restaurants to serve water only upon request, encourage private sector to use alternate source and encourage night irrigation.

Stage 2 - Mandatory Stage (25% reduction)

(b) The following uses are declared to be non-essential from and after July 1, 2020 through November 1:

- (1) washing sidewalks, driveways, parking areas, tennis courts, patios or other exterior paved areas except by the Marin County Fire Department or other public agency for the purpose of public safety;
- (2) refilling a swimming pool completely drained after July 1, 2020;
- (3) non-commercial washing of privately-owned motor vehicles, trailers and boats except from a bucket and except that a hose equipped with a shut-off nozzle may be used for a quick rinse.
- (4) Request restaurants to serve water only upon request.

(c) The following additional uses are declared to be non-essential from and after July 1, 2020:

- (1) any use of water from a fire hydrant except for fighting fires, human consumption, essential construction needs or use in connection with animals;
- (2) watering of any lawn, garden, landscaped area, tree, shrub or other plant except from a handheld hose equipped with an automatic shut-off nozzle, container or drip irrigation system except overhead sprinkler irrigation can be used if customer maintains an overall 25% reduction in water use compared to the corresponding billing period in 2013, (customers using less than 200 gallons per day are permitted to water their landscape without a 25% reduction) and properly operates the irrigation system in a non-wasteful manner between the hours of 7:00 p.m. and 9:00 a.m. the next day. If sprinkler water is used in a wasteful manner, the General Manager may prohibit sprinkling by that customer.
- (3) Irrigating landscape more than 3 days per week or within 48 hours of measurable rainfall.
- (4) Irrigating lawn area on public street medians.
- (5) use of water for dust control at construction sites;
- (6) initial filling of any swimming pool for which application for a building permit was made after May 5, 2020;
- (7) use by a vehicle washing facility in excess of 25% less than the amount used by it during the corresponding billing period in 2013. If the facility was not operating in 2013, an assumed amount shall be computed by the District from its records.
- (8) any non-residential use in excess of 25% less than the amount used by the customer during the corresponding billing period in 2013. If connection to the District system was not in existence or use in 2013, an assumed amount will be computed from the District's records.
- (9) Intertie deliveries to Inverness Public Utilities District (IPUD), except for critical needs as determined by the General Manager
- (10) Deliveries to customers outside the service area except as needed for human consumption, sanitation and public safety or as stipulated in outside service agreements.

Stage 3 - Severe Mandatory Rationing (50% reduction)

(d) From and after the date that the Board of Directors, by resolution, determines that the water shortage emergency requires severe rationing, the following additional uses are declared to be non-essential:

- (1) Watering any residential lawn, or any commercial or industrial area lawn maintained for aesthetic purposes, at any time of the day or night during the period of August 1, through October 31, when a Stage 3 is in progress.
- (2) Planting any new landscaping, except for designated drought resistant landscaping prescribed by the District.

- (3) All day and nighttime sprinkling will be discontinued. Any and all outside watering will be done only with a hand-held nozzle. An exception will be made for carefully timed drip irrigation for established perennial plants and trees. Only sufficient water for assured plant survival may be applied.
- (4) No new annual plants, vegetables, flowers or vines may be planted during the Stage 3 emergency period. An exception will be made for customers who are eliminating existing thirsty landscaping and replacing same with drought resisting landscaping prescribed by the District, as in (2) above.

The combined rationing including Stage 1, 2, and 3 is designed to achieve a minimum reduction of 50% or more in West Marin service territory water consumption as compared with normal year annual usage.

(e) The percentages stipulated in Stage 2 and Stage 3 may be increased by the General Manager for any class of customer if the General Manager determines that such increase is necessary to protect the public health, safety and welfare or to spread equitably among the water users of the District the burdens imposed by the drought and the shortage in the District's water supply.

Section 7. Variances

Applications for a variance from the provisions of Section 6 of this ordinance may be made to the General Manager. The General Manager may grant a variance to permit a use of water otherwise prohibited by Section 6 if the General Manager determines that the variance is reasonably necessary to protect the public health and safety and/or economic viability of a commercial operation. Any decision of the General Manager under this section may be appealed to the Board of Directors.

Section 8. Violations

(a)-(a) After the publication or posting of this ordinance as provided in Water Code Section 31027, it is a misdemeanor for any person to use or apply water received from the District contrary to or in violation of Section 5 or Section 6 of this ordinance. Pursuant to the authority provided in Government Code section 53069.4, the District may impose administrative fines and penalties against any person found to be in violation of this ordinance. The purpose of the administrative fines and penalties assessed pursuant to this ordinance is to assure future compliance by customers through the imposition of increasingly significant fines and penalties so as to create a meaningful disincentive to commit future violations of the rules and regulations contained and referenced herein.

(b) If and when the District becomes aware of any violation of any provision of Section 5 or 6 of this ordinance, a verbal warning will be given, then if the violation continues or is repeated, a written notice shall be placed on the property where the violation occurred and mailed to the person who is regularly billed for the service where the violation occurs and to any other person known to the District who is responsible for the violation or its correction. Said notice shall describe the violation and order that it be corrected, cured and abated immediately or within such specified time as the General Manager determines is reasonable under the circumstances. If said order is not complied with, the District may forthwith shall impose an administrative fine of not more than two hundred fifty dollars (\$250) for a first offense, and five hundred dollars (\$500) for

a second offense, and may disconnect the service where the violation occurs.

(b) For the first offense, a(c) A fee of \$5035 during normal business hours and \$60 during after-hours and weekends shall be paid for the first reconnection of any service disconnected pursuant to subsection (a) this ordinance during the suspension period. For each subsequent violation of Section 8 (a), disconnection, the fee for reconnection shall be \$7535 during normal business hours and \$60 during after-hours and weekends.

(e) d) No service which is disconnected twice because of a violation of Section 5 or 6 of this ordinance during the suspension period, shall be reconnected unless a device supplied by the District which will restrict the flow of water to said service is installed. Furthermore, the fee for reconnection installation of such a service flow restriction device during the suspension period shall be \$100 in lieu of addition to the fee required by subsection (bc) hereof.

(e) Violations of this ordinance, and the rules and regulations contained and referenced herein, shall remain subject to administrative fines and penalties, until this ordinance has been repealed, or the Board of Directors declares by resolution that the water shortage emergency condition has ended. Violations pursuant to other District rules, regulations, or federal or state law shall not be affected by this section and shall continue to be enforced pursuant to their terms. The District reserves the right to pursue, in its sole discretion, any additional remedies available to it by law, including criminal, civil, and administrative remedies as necessary.

(e) District determinations made pursuant to this Ordinance may be appealed in writing to the District's General Manager or his designee, whose decision shall be final and binding.

Section 9. Signs on Lands Supplied from Private Wells

The owner or occupant of any land within the West Marin water service area that is supplied with water from a private well shall post and maintain in a conspicuous place thereon a sign furnished by the District giving public notice of such supply.

Section 10. Drought Surcharge

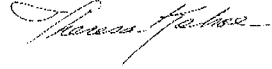
Notwithstanding anything to the contrary in District Regulation 54, in the event a mandatory reduction in water use is triggered under the District's Water Shortage Contingency Plan for the West Marin Service Area, a Drought Surcharge may be implemented by resolution of the Board of Directors simultaneous with, or subsequent to, enactment of the mandatory stage, in the sole discretion of the Board of Directors. The Drought Surcharge will serve to mitigate the revenue loss resulting from a reduction in water use, as well as to offset the cost for water purchased from Marin Municipal Water District (MMWD) under the Interconnection Agreement between North Marin Water District and MMWD triggered by dry year conditions. The Drought Surcharge shall be a quantity charge for each 1,000 gallons as specified in District Regulation 54. Any Drought Surcharge shall be adopted and implemented in compliance with applicable law, including Article XIIC of the California Constitution.

* * * * *

I hereby certify that the foregoing is a true and complete copy of an ordinance duly and regularly adopted by the Board of Directors of North Marin Water District at a regular meeting thereof held on May 5, 2020 March 16, 2021 by the following vote:

DRAFT NMWD West Marin Model-Emergency Water Conservation Amended Ordinance 39
Adopted 3/16/21

AYES: Directors Baker, Fraites, Grossi, Joly, Petterle
NOES: None
ABSENT: None
ABSTAINED: None



(SEAL)

Theresa Kehoe
District Secretary
North Marin Water District

7

NORTH MARIN WATER DISTRICT
MONTHLY PROGRESS REPORT FOR *February 2021*
 March 16, 2021

1.

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

Month	FY20/21	FY19/20	FY18/19	FY17/18	FY16/17	21 vs 20 %
July	341.7	317.7	341.1	331.0	310.3	8%
August	290.1	287.1	300.9	303.0	299.6	1%
September	225.6	280.5	255.0	292.4	302.3	-20%
October	307.8	286.0	265.6	273.7	202.8	8%
November	201.6	226.3	170.1	163.9	143.8	-11%
December	183.0	141.2	157.8	152.1	147.6	30%
January	156.6	111.9	114.7	130.6	120.8	40%
February	110.5	120.3	110.9	134.8	118.6	-8%
FYTD Total	1,816.7	1,770.9	1,716.0	1,781.4	1,645.8	3%

*Excludes water backfed into Stafford Lake: FY21=35.3 MG

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

Month	FY20/21	FY19/20	FY18/19	FY17/18	FY16/17	21 vs 20 %
July	8.2	8.9	10.2	9.5	7.9	-8%
August	9.2	8.4	9.9	8.8	7.4	10%
September	7.9	7.8	9.5	8.4	6.4	1%
October	6.7	7.5	8.3	7.9	5.2	-11%
November	5.8	6.7	7.3	5.4	4.2	-15%
December	5.1	4.8	5.7	5.1	3.7	6%
January	4.2	4.1	5.0	4.5	3.6	2%
February	3.8	4.4	3.5	4.5	3.3	-13%
FYTD Total	50.9	52.6	59.3	54.1	41.7	-3%

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

Month	FY20/21	FY19/20	FY18/19	FY17/18	FY16/17	21 vs 20 %
July	105.8	68.2	78.6	112.6	69.9	55%
August	81.1	103.8	79.3	81.5	90.4	-22%
September	16.1	115.0	60.5	122.7	96.9	-86%
October	7.7	103.4	74.5	102.3	93.9	-93%
November	0.6	102.8	0.0	53.6	63.8	-99%
December	0.0	0.0	0.0	0.0	0.0	-
January	0.0	0.0	0.0	0.0	0.0	-
February	0.0	0.0	0.0	0.0	0.0	-
FYTD Total	211.3	493.0	292.9	472.6	415.0	-57%

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

Month	FY20/21	FY19/20	FY18/19	FY17/18	FY16/17	21 vs 20 %
July	39.0	36.5	30.2	27.7	27.1	7%
August	43.2	33.3	30.6	26.1	26.0	30%
September	29.5	29.7	33.5	25.0	23.5	-1%
October	22.8	26.6	20.1	19.1	8.3	-14%
November	10.9	10.8	12.7	2.5	1.2	1%
December	0.2	0.5	1.5	0.8	0.4	-62%
January	0.3	0.6	0.9	1.0	0.3	-45%
February	0.5	0.6	0.3	3.3	0.0	-11%
FYTD Total*	146.4	138.7	129.7	105.5	86.8	6%

*Excludes potable water input to the RW system: FY21=14.2 MG; FY20=19.4; FY19=20.6 MG; FY18=15.8MG; FY17=1.4MG

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2. Stafford Lake Data

	February Average	February 2020	February 2021
Rainfall this month	5.08 Inches	0 Inches	0.79 Inches
Rainfall this FY to date	20.97 Inches	15.54 Inches	6.87 Inches
Lake elevation*	191.6 Feet	191.0 Feet	179.9 Feet
Lake storage**	1084 MG	1041 MG	462 MG

* Spillway elevation is 196.0 feet

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

Temperature (in degrees)

	Minimum	Maximum	Average
February2020 (Novato)	40	87	60
February2021 (Novato)	40	85	57

3. Number of Services

February 28	Novato Water			Recycled Water			West Marin Water			Oceana Marin Swr		
	FY21	FY20	Incr %	FY21	FY20	Incr %	FY21	FY20	Incr %	FY21	FY20	Incr %
Total meters installed	20,787	20,749	0.2%	98	97	1.0%	792	791	0.1%	-	-	-
Total meters active	20,576	20,546	0.1%	94	92	2.2%	784	783	0.1%	-	-	-
Active dwelling units	24,085	24,072	0.1%	-	-	-	834	833	0.1%	235	235	0.0%

4. Oceana Marin Monthly Status Report (February)

Description	February 2020	February 2021
Effluent Flow Volume (MG)	0.406	0.499
Irrigation Field Discharge (MG)	0.692	0.939
Treatment Pond Freeboard (ft)	7.0	6.2
Storage Pond Freeboard (ft)	7.1	7.5

5. Developer Projects Status Report (February)

Job No.	Project	% Complete	% This month
1.2820.00	Bahia Heights	95	2
1.2837.00	McPhails Phase 2A	99	4
1.2831.00	Landsea Homes	85	5
1.2844.00	Novato Library	95	20
1.2845.00	Marin Biologic Fire Service	95	5

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

Job No.	Project	% Complete	% This month
2.6263.20	Replace PRE Tank 4A	95	5
1.7194.00	Redwood Blvd. Lowering	100	95
1.7193.23	PB Replacement - Blackpoint	50	45
1.7186	Grant Avenue CI Main Replacement	10	10

Employee Hours to Date, FY 20/21

As of Pay Period Ending February 28, 2021

Percent of Fiscal Year Passed = 67%

Developer Projects	Actual	Budget	% YTD Budget	District Projects	Actual	Budget	% YTD Budget
Construction	1,176	1,400	84%	Construction	2,100	3,460	61%
Engineering	1,193	1,504	79%	Engineering	2,084	2,722	77%

6. Safety/Liability

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FY 21 through February
FY 20 through February

Industrial Injury with Lost Time				Liability Claims Paid	
Lost Days	OH Cost of Lost Days (\$)	No. of Emp. Involved	No. of Incidents	Incurred (FYTD)	Paid (FYTD) (\$)
23	\$10,120	3	3	2	\$11,092 *
25	\$10,584	3	3	0	\$0

Days since lost time accident through February 28, 2021 103 Days

* (1) Vehicle accident on October 4, 2019 involving District vehicle and unoccupied parked vehicle during on-call event. Costs related to parked vehicle. (2) Vehicle accident on September 8, 2020 involving District vehicle and unoccupied parked vehicle. Costs related to parked vehicle.

7. Energy Cost

FYE		February			Fiscal Year-to-Date thru February		
		kWh	¢/kWh	Cost/Day	kWh	¢/kWh	Cost/Day
2021	Stafford TP	25,395	25.5¢	\$232	344,989	21.3¢	\$302
	Pumping	94,248	25.2¢	\$791	1,088,571	25.2¢	\$1,125
	Other*	54,334	23.3¢	\$421	403,048	26.8¢	\$443
		173,976	24.6¢	\$1,444	1,836,609	24.8¢	\$1,871
2020	Stafford TP	53,266	21.0¢	\$361	589,089	19.0¢	\$460
	Pumping	82,274	23.6¢	\$648	988,663	23.4¢	\$944
	Other*	46,350	24.7¢	\$382	380,194	25.6¢	\$397
		181,890	23.1¢	\$1,391	1,957,946	22.5¢	\$1,801
2019	Stafford TP	20,052	24.9¢	\$178	403,455	20.4¢	\$409
	Pumping	67,263	20.7¢	\$434	993,568	20.7¢	\$984
	Other*	50,943	20.2¢	\$322	375,259	24.3¢	\$454
		138,258	21.1¢	\$934	1,772,282	21.4¢	\$1,847

*Other includes West Marin Facilities

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8. Water Conservation Update

	Month of February 2021	Fiscal Year to Date	Program Total to Date
High Efficiency Toilet (HET) Rebates	5	73	4,239
Retrofit Certificates Filed	15	159	6,565
Cash for Grass Rebates Paid Out	3	11	942
Washing Machine Rebates	1	16	6,820
Water Smart Home Survey	0	0	3,899

9. Utility Performance Metric

SERVICE DISRUPTIONS (No. of Customers Impacted)	February 2021	February 2020	Fiscal Year to Date 2021	Fiscal Year to Date 2020
PLANNED				
Duration Between 0.5 and 4 hours	1	3	78	32
Duration Between 4 and 12 hours				96
Duration Greater than 12 hours				
UNPLANNED				
Duration Between 0.5 and 4 hours		2	33	53
Duration Between 4 and 12 hours	6*		29	12
Duration Greater than 12 hours				
SERVICE LINES REPLACED				
Polybutylene	1	1	59	41
Copper (Replaced or Repaired)		2	4	8

* 6 services on Eucalyptus Avenue – 8" main leak – 8 hrs. – 2/23/2021

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders February 2021

3/9/2021

Type	Feb-21	Feb-20	Action Taken February 2021
<u>Consumers' System Problem</u>			
Service Line Leaks	19	29	Notified Consumer
Seepage or Other	0	1	~
House Valve / Meter Off	7	9	Notified Consumer
Nothing Found	1	9	Notified Consumer
High Pressure	1	1	No PRV installed. Closed service stop to reduce pressure
Total	28	49	
<u>Service Repair Reports</u>			
Meter Replacement	1	1	Notified Consumer
Box and Lids	3	1	Replaced
Water Off/On Due To Repairs	6	7	Notified Consumer
Misc. Field Investigation	5	12	Notified Consumer
Total	15	21	
<u>Leak NMWD Facilities</u>			
Service- Leak	3	3	Repaired
Services-Nothing Found	0	1	Notified Consumer
Service-Damaged	1	0	Repaired
Fire Hydrant-Leak	0	1	~
Fire Hydrants-Nothing Found	1	1	Notified Consumer
Meter Leak	0	2	~
Meters Damaged	0	1	Repaired
Washer Leaks	2	2	Repaired
Total	7	11	
<u>High Bill Complaints</u>			
Consumer Leaks	0	2	Notified Consumer
Meter Testing	0	1	Notified Consumer
Meter Misread	0	1	Notified Consumer
Total	0	4	
<u>Low Bill Reports</u>			
Total	0	0	
<u>Water Quality Complaints</u>			
Total	0	0	
TOTAL FOR MONTH:	50	85	-41%

Fiscal YTD Summary

Consumer's System Problems	328	594	-45%	Decrease In Service Line Leaks.
Service Repair Report	135	186	-27%	Decrease In Misc. Field Investigation.
Leak NMWD Facilities	119	133	-11%	Decrease In Fire Hydrant Leaks.
High Bill Complaints	40	76	-47%	Decrease In Excessive Irrigation.
Low Bills	0	0	0%	No Change.
Water Quality Complaints	1	20	-95%	Decrease in Taste and Odor.
Total	623	1,009	-38%	

Change Primarily Due To

NORTH MARIN WATER DISTRICT

Summary of Complaints & Service Orders February 2021

3/9/2021

Type	Feb-21	Feb-20	Action Taken February 2021
<u>"In House" Generated and Completed Work Orders</u>			
<u>Check Meter:</u> possible consumer/District leak, high bill, flooded, need read, etc.	60	119	
<u>Change Meter:</u> leaks, hard to read	11	18	
<u>Possible Stuck Meter</u>	4	1	
<u>Repair Meter:</u> registers, shut offs	1	3	
<u>Replace Boxes/Lids</u>	5	22	
<u>Trims</u>	0	2	
<u>Dig Outs</u>	0	10	
	81	175	

Bill Adjustments Under Board Policy:

February 21 vs. February 20

Feb-21	6	\$2,344
Feb-20	16	\$10,925

Fiscal Year vs Prior FY

20/21 FY	161	\$68,445
19/20 FY	217	\$65,148

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MEMORANDUM

To: Board of Directors

March 12, 2021

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

Subj: Auditor-Controller's Monthly Report of Investments for February 2021

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RECOMMENDED ACTION: Information

FINANCIAL IMPACT: None

At month end the District's Investment Portfolio had an amortized cost value (i.e., cash balance) of \$24,548,376 and a market value of \$24,592,688. During February the cash balance decreased by \$151,138. The market value of securities held increased \$44,311 during the month. The ratio of total cash to budgeted annual operating expense stood at 138%, down 1% from the prior month.

At February 28, 2021, 80% of the District's Portfolio was invested in California's Local Agency Investment Fund (LAIF), 15% in Time Certificates of Deposit, 4% in the Marin County Treasury, and 1% retained locally for operating purposes. The weighted average maturity of the portfolio was 47 days, compared to 51 days at the end of January. The LAIF interest rate for the month was 0.41%, compared to 0.46% the previous month. The weighted average Portfolio rate was 0.59%, compared to 0.72% the previous month.

Investment Transactions for the month of February are listed below:

2/8/2021	Merrick Bank	US Bank	\$249,549.85	TCD Matured
2/8/2021	US Bank	LAIF	\$350,000.00	Trsf to LAIF account
2/10/2021	US Bank	LAIF	\$250,000.00	Trsf to LAIF account
2/25/2021	LAIF	US Bank	\$550,000.00	Trsf from LAIF account

**NORTH MARIN WATER DISTRICT
AUDITOR-CONTROLLER'S MONTHLY REPORT OF INVESTMENTS
February 28, 2021**

Type	Description	S&P Rating	Purchase Date	Maturity Date	Cost Basis ¹	2/28/2021 Market Value	Yield ²	% of Portfolio
LAIF	State of CA Treasury	AA-	Various	Open	\$19,509,053	\$19,553,365	0.41% ³	80%
Time Certificate of Deposit								
TCD	Eaglebank	n/a	3/15/19	3/15/21	249,000	249,000	2.60%	1%
TCD	Central Bank	n/a	4/18/19	4/19/21	249,000	249,000	2.40%	1%
TCD	Morgan Stanley Private Bank	n/a	5/23/19	5/24/21	247,000	247,000	2.40%	1%
TCD	TIAA Bank	n/a	1/18/19	7/19/21	246,000	246,000	2.75%	1%
TCD	Capital One Bank NA	n/a	8/21/19	8/23/21	247,000	247,000	1.85%	1%
TCD	Capital One Bank USA	n/a	9/6/19	9/7/21	247,000	247,000	1.75%	1%
TCD	Goldman Sachs Bank USA	n/a	10/11/19	10/12/21	247,000	247,000	1.70%	1%
TCD	Flagstar Bank	n/a	11/15/19	11/15/21	247,000	247,000	1.75%	1%
TCD	Synovus Bank	n/a	12/9/19	12/9/21	247,000	247,000	1.65%	1%
TCD	Morgan Stanley Bank	n/a	1/16/20	1/18/22	247,000	247,000	1.75%	1%
TCD	Wells Fargo National Bank	n/a	3/6/20	3/7/22	248,000	248,000	1.35%	1%
TCD	American Express Natl Bank	n/a	4/7/20	4/7/22	248,000	248,000	1.35%	1%
TCD	Synchrony Bank	n/a	4/17/20	4/18/22	248,000	248,000	1.20%	1%
TCD	Pinnacle Bank	n/a	5/7/20	5/9/22	248,000	248,000	0.90%	1%
TCD	Enerbank	n/a	9/25/20	9/25/24	249,000	249,000	0.45%	1%
					\$3,714,000	\$3,714,000	1.72%	15%
Other								
Agency	Marin Co Treasury	AAA	Various	Open	\$1,047,064	\$1,047,064	0.18%	4%
Other	Various	n/a	Various	Open	278,259	278,259	0.41%	1%
TOTAL IN PORTFOLIO					\$24,548,376	\$24,592,688	0.59%	100%

Weighted Average Maturity = **47 Days**

LAIF: State of California Local Agency Investment Fund.

TCD: Time Certificate of Deposit.

Agency: STP State Revolving Fund Loan Reserve.

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

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

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

3 Earnings are calculated daily - this represents the average yield for the month ending February 28, 2021

Interest Bearing Loans	Loan Date	Maturity Date	Original Loan Amount	Principal Outstanding	Interest Rate
Marin Country Club Loan	1/1/18	11/1/47	\$1,265,295	\$1,148,923	1.00%
Marin Municipal Water - AEEP	7/1/14	7/1/32	\$3,600,000	\$2,224,108	2.71%
Employee Housing Loans (2)	Various	Various	525,000	525,000	Contingent
TOTAL INTEREST BEARING LOANS			\$5,390,295	\$3,898,031	

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

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8

MEMORANDUM

To: Board of Directors

March 12, 2021

From: Drew McIntyre, General Manager
Julie Blue, Auditor/Controller

Subj: Accept 2021 West Marin Water Rate Study Draft Report and Direct Staff to Prepare a Proposition 218 Notice of Public Hearing on Proposed Revenue Increases and Rate Structure Changes

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RECOMMENDED ACTION: Accept 2021 West Marin Water Rate Study Draft Report and Direct Staff to Prepare a Proposition 218 Notice of Public Hearing**FINANCIAL IMPACT:** None at this timeBackground

Customers are currently billed under a rate structure comprised of multiple rates categorized by commercial, residential, elevation zones, and seasons. At the September 15, 2020 meeting, the Board approved an agreement with Hildebrand Consulting (Oakland, CA) to prepare a comprehensive West Marin Water Rate Study. The objective of the West Marin Water Rate Study is to develop water rates that are fair and equitable and to ensure that the District's water rates comply with California Constitution Article XIII D, Section 6 (commonly referred to as Proposition 218). In order to maintain compliance, the rate structure should generate revenue from each class of customers in proportion to the cost to serve each customer.

West Marin Water Rate Study Development and Public Outreach

The 2021 West Marin Water Rate Study (attached) was developed through several meetings with District staff and the Board's Ad Hoc Water Rate Study Subcommittee (Director's Michael Joly and James Grossi) over several months. During this process, the District carried out an extensive West Marin Water Rate Study public outreach effort that began in December 2020 and included news flashes, postcards mailed to all customers, water bill messages, social media posts, ads in the local newspaper, web notices, and more. A Special Board meeting was held to conduct a workshop on the proposed West Marin Water Rate Study to solicit input from our customers (a link to the video of the workshop can be found on the NMWD website). The workshop was held on February 23, 2021 and was attended by five customers. Public comments included: (1) questions about the Capital Improvement Projects (including Treatment Plan Modifications in FY 30 and the Gallagher Streambank Stabilization Project in FY21), and (2) questions about the source of supply and what role the Coast Guard Wells will play in the future.

Key milestone dates are tabulated below with completed tasks shaded:

- **Feb. 23, 2021** Special Board Meeting Rate Study Workshop (Board & Public)
- **Mar. 16, 2021** Regular Board Meeting - Rate Study Presentation and Acceptance of Draft
- **June 22, 2021** Public hearing to adopt Rate Study and to enact new water rates

Discussion

The rate study prepared a multi-year financial plan, reviewed the West Marin Water Service Area rate structure components, and proposes a 5-year rate schedule. The financial plan was based on historical and budgeted financial information, including historical and budgeted operating costs, a multi-year capital improvement program, and outstanding debt service obligations. The analysis identifies a revenue shortfall in upcoming years which leads to the conclusion that 6% rate revenue adjustments are required as summarized in the adjacent table. Recent prior year adjustments have included annual increases of 4.5%-5.0%.

A cost-of-service (COS) analysis was completed to evaluate the cost of providing water service and to allocate those costs to rate structure components to ensure the proposed rates are aligned with costs to provide service. The COS analysis is a necessary step in order to comply with Proposition 218. Upon completion of the COS analysis, a rate structure analysis was performed to evaluate rate structure modifications and calculate specific rate schedules for implementation in FY 2021/22. The rate structure proposed by the Study is designed to fairly and equitably recover costs through rates; conform to accepted industry practice and legal requirements; and provide fiscal stability and more consistent recovery of system fixed costs.

Rate Adjustment Date	Proposed Rate Increase
July 1, 2021	6.0%
July 1, 2022	6.0%
July 1, 2023	6.0%
July 1, 2024	6.0%
July 1, 2025	6.0%

The Study found that the current rate structure components are consistent with common industry practices and recommends updating the meter equivalency schedule and structuring the potable tiered and seasonal rates to more closely reflect the current cost of water supply. The Residential Tier 1 rate and the Commercial Winter rate are designed to recover all of the West Marin Water Service Area's operating, maintenance and capital costs, except for half of the capital costs associated with new Gallagher Well #2. The Residential Tier 2 & 3 rate and the Commercial Summer rate are designed to recover the same costs as above, in addition to the second half of the capital costs associated with Gallagher Well #2. The costs of the Conservation Program are

proposed to be recovered through the Tier 3 rates and Summer rates because it is those customers that use the most water who create the need for the Conservation Program.

The allocation of water proposed for Tier 1 is 250 gallons per day per dwelling unit (as opposed to the current allocation of 400 gallons per day), which would result in the same proportion of water being sold at Tier 1 rates as the volume of water provided by the Coast Guard Wells, Gallagher Well #1, and half of Gallagher Well #2 (i.e., about 78% of the water supply). Similarly, the “season” proposed for Commercial Winter Rates extends from October through June (as opposed to the current November through May), which would also result in the same proportion of water being sold at the Winter Rate.

The proposed water rates will need to be adopted in accordance with Proposition 218, which will require a detailed notice describing the proposed charges to be mailed to each affected property owner or customer at least 45 days prior to conducting a public hearing on June 22, 2021 to adopt the rates.

Recommendation

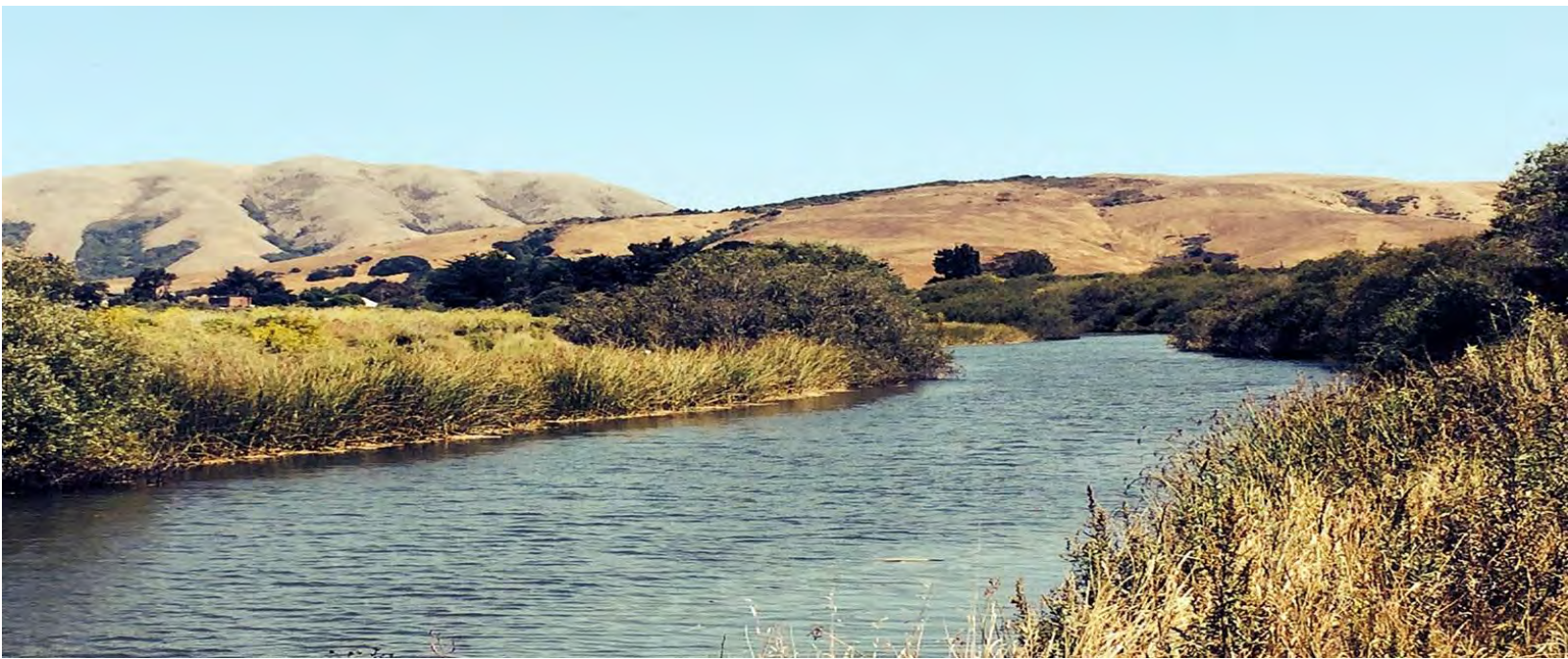
Accept the Draft 2021 West Marin Water Rate Study and provide direction to staff on preparing a single year or multiple year Proposition 218 Notice of Public Hearing on proposed rate structure changes and revenue increases.

Attachments: 2021 West Marin Water Rate Study Final Draft Report, March 9, 2021
2021 West Marin Water Service Area Rate Study Presentation, March 16, 2021



NORTH MARIN WATER DISTRICT

2021 West Marin Water Rate Study
Final Draft Report
March 9, 2021



March 9, 2021

Mr. Drew McIntyre
General Manager
North Marin Water District
999 Rush Dr.
Novato, CA 94945



Re: Revised final draft 2021 West Marin Water Rate Study

Dear Mr. McIntyre,

Hildebrand Consulting is pleased to present this 2021 Water Rate Study (Study) for the West Marin Water System that was performed for North Marin Water District (District). We appreciate the helpful assistance provided by you and all of the members of the District staff who participated in the Study.

If you or others at the District have any questions, please do not hesitate to contact me at:

mhildebrand@hildco.com
(510) 316-0621

We appreciate the opportunity to be of service to the District and look forward to the possibility of doing so again in the near future.

Sincerely,

A handwritten signature in blue ink, appearing to read 'M. Hildebrand', with a stylized, cursive script.

Mark Hildebrand
Hildebrand Consulting, LLC

Enclosure

Executive Summary

Hildebrand Consulting, LLC has been retained by North Marin Water District (District) to conduct a water rate study (Study) for the West Marin Water service area (also referred to as the West Marin Water enterprise). The full report describes in detail the assumptions, procedures, and results of the Study, including recommendations for water rates over the next 5 years.

The District's West Marin Water System serves primarily the Point Reyes Station (PRS), Olema, Bear Valley, Inverness Park and Paradise Ranch Estates (PRE) communities and parcels later annexed in to the PRS and PRE-improvement district within NMWD's West Marin service territory in Marin County, encompassing approximately 24 square miles with an estimated service area population of 1,700.

The water supply for the West Marin Water System is currently derived from two sources: wells located on the former Coast Guard housing facility property and Gallagher Well #1. All groundwater is treated at the Point Reyes Water Treatment Plant (PRTP) before entering the potable water distribution system.

Scope of Study - The scope of this Study is to prepare multi-year financial plans, review the rate structures, and propose a 5-year rate schedule. The primary objectives of this Study are to develop a multi-year financial management plan, identify future rate adjustments to ensure revenue adequacy, determine the cost of providing water service, and recommend specific modifications to the District's existing rate structures in order to ensure that the District is equitably recovering the cost of service and comporting with industry standards and California's legal requirements.

Methodology - This Study applied methodologies that are aligned with industry standard practices for rate setting as laid out in the American Water Works Association (AWWA) M1 Manual (7th edition), and all applicable laws, including California Constitution Article XIII D, Section 6(b), commonly known as Proposition 218.

The Study began with a review of the West Marin Water enterprise’s current financial condition and latest available data for the utility’s operations. A multi-year financial management plan was then developed to determine the level of annual rate revenue required to cover projected annual operating expenses, debt service (including coverage targets), and capital cost requirements while maintaining adequate reserves. Revenue requirements calculated for fiscal year ending June 2022 (FY 2021/22¹) were then used to perform a detailed cost-of-service (COS) analysis. The COS analysis and rate structure design were conducted based upon principles outlined by AWWA, legal requirements (Proposition 218) and other generally accepted industry practices to develop rates that reflect the cost of providing service.

Financial Plan - The 10-year financial plan was developed through several interactive work sessions with both District staff and the District Board’s Ad Hoc Water Rate Study Subcommittee. The Study has produced a robust financial plan that will allow the District to meet revenue requirements and achieve financial performance objectives throughout the projection period while striving to minimize rate increases.

Rate revenue is the revenue generated from customers for water service. The District collects rate revenue from water customers based on a fixed “Service Charge” (assessed based on meter sizes) and a “Quantity Rate” based on actual water usage. The analysis identifies a revenue shortfall in upcoming years which leads to a conclusion that revenue adjustments are required for the West Marin Water service area.

In addition to rate revenue, the District receives some “non-rate revenue” from sources such as miscellaneous service fees, property tax, Connection Fees revenue, grants, and interest revenue on investments. Projections of all non-rate revenues were based on FY 2020/21 budgeted revenues with the exception of interest income which was calculated

¹ Fiscal years are sometimes indicated by their ending years. For example, FY 2019/20, starts on July 1, 2019 and ends on June 30, 2020, can also be expressed as FY 2020.

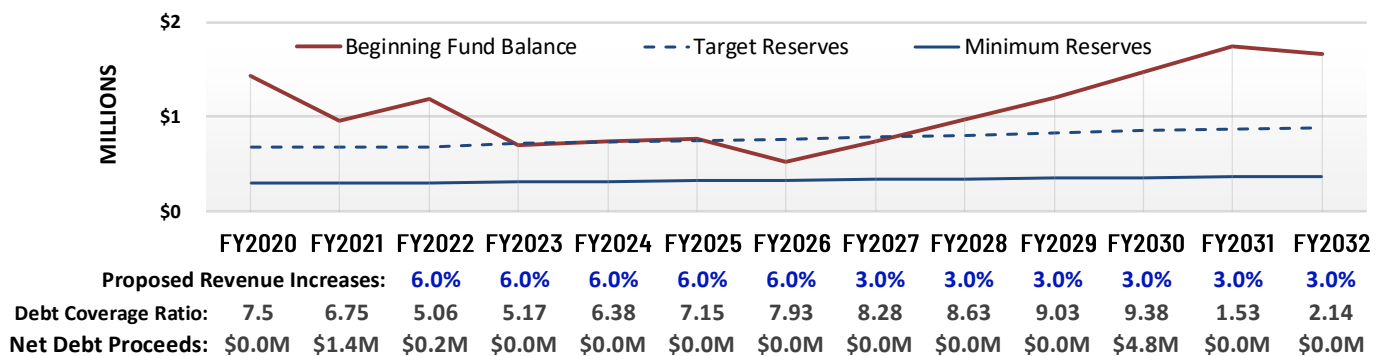
annually based upon projected fund balances and assumed interest rate of 0.88% on invested funds.

West Marin Water System expenses include operating and maintenance (O&M) expenses and debt service. Future operating expenses were projected based upon the budgeted expenditures from FY 2020/21 and adjusted for inflation (3% per year). The current annual debt service is \$71 thousand, which will be paid off in FY 2031/32.

The West Marin Water service area is experiencing a spike in capital spending as detailed in the full report. This increase in capital spending is necessary in order to increase water supply (new Gallagher Well #2), bolster the service area water storage and fire protection capacity (replacement and upsizing of PRE Tank #4A), and pro-actively address aging infrastructure (series of replacement projects). In addition, the District expects that a major rehabilitation project will be required at the PRTP in about 10 years. This Study assumes that \$1.6 million will be borrowed from the Novato Enterprise to help fund immediate capital spending needs in the West Marin Water enterprise. In addition, it is assumed that the District will debt finance the \$3.8 million (in current dollars) PRTP improvement project in about 10 years.

Reserve Targets - Target reserves for utilities are cash balances retained for specific cash flow needs. The target for reserves is an important component when developing a multi-year financial plan. Utilities rely on reserves for financial stability; credit rating agencies evaluate utilities in part on their adherence to formally adopted reserve targets; and lending agencies require utilities to maintain specific debt reserves for outstanding loans. The District has formal reserve policies which includes three reserve targets that are relevant to the West Marin Water enterprise. The target levels of the policies below are consistent with: 1) the findings of reserve studies conducted by AWWA; 2) a healthy level of reserves for a utility per the evaluation criteria published by rating agencies (e.g., Fitch, Moody's, and Standard & Poor's); and 3) Hildebrand Consulting's industry experience for similar systems.

Proposed Rate Increases - All of the above information was entered into a financial planning model to produce a 10-year projection of the sufficiency of revenues to meet current and projected financial requirements and determine the level of rate revenue increases necessary in each year of the projection period. The figure below shows the projected cash flow impacts of increasing rate revenue by 6% per year for the next 5 years, followed by inflationary adjustments.



Cost-of-Service (COS) – The COS analysis evaluates the cost of providing water service and allocates those costs to rate structure components to ensure the proposed rates are aligned with costs to provide service. The COS analysis is done in order to comply with Proposition 218, which requires water rates to be equitably apportioned and proportional to the cost of providing water service. The rate structure proposed by this Study is designed to fairly and equitably recover costs through rates, conform to accepted industry practice and legal requirements, and provide fiscal stability and recovery of utility fixed costs. This Study employed a COS methodology that is consistent with the “commodity-demand” COS methodology promulgated in AWWA’s *Manual M1: Principles of Water Rates, Fees, and Charges (M1)*.

The structure for the District’s current water rates follow a common industry practice with a two-part structure that is comprised of a fixed Service Charge and a consumption-based Quantity Charge. In addition, some water customers pay an additional Hydraulic Zone Charge, which is a consumption-based charge based on the elevation of the property. The Quantity Charge is assessed based on actual water usage

(measured in thousand-gallon increments or “TGALs”) and the rate varies by customer class. Residential water customers pay inclining block rates (three tiers) and receive water allocations for each tier. Commercial (i.e., all non-residential) water customers currently pay a uniform season rate.

This Study has found that the District’s current rate structures are consistent with common industry practices and recommends the following modifications and updates.

1. Update the meter equivalency schedule
2. Structure the tiered and seasonal rates to reflect the cost of water supply
3. Eliminate the special service charges for PRE
4. Update the hydraulic zone charges
5. Update the private fire charge

This Study proposes to use water supply costs and availability to calculate the rates and the allocations for the tiered/seasonal rates. The Residential **Tier 1 rate** and the Commercial **Winter rate** are designed to recover all of the District’s operating, maintenance and capital costs that are associated with the West Marin Water service area’s “Baseline” water demands. For the purposes of establishing a cost basis for the District’ rate structure, this Study assumes that half of the supply from future Gallagher Well #2 will be needed to meet the demands created by higher volume water users (“Marginal” water supply). As such, the rate differential between Tier 1 vs. **Tier 2** rates is based on half of the operating and capital costs associated with Gallagher Well #2. The costs of the District’s Conservation Program are “layered” over the Tier 2 rates to create the **Tier 3** rate. The Gallagher Well #2 costs and conservation program costs are also recovered through Commercial **Summer Rates**.

Proposed Rates – The following table summarizes the rates that are proposed for the 5-year planning period. The full report contains a detailed explanation of how these rates were calculated.

	Effective Date				
	July 1, 2021	July 1, 2022	July 1, 2023	July 1, 2024	July 1, 2025
Residential Quantity Charges (\$/TGAL)					
Tier 1 ¹	\$8.88	\$9.41	\$9.97	\$10.57	\$11.20
Tier 2 ²	\$12.91	\$13.68	\$14.50	\$15.37	\$16.29
Tier 3	\$18.33	\$19.43	\$20.60	\$21.84	\$23.15
Commercial Quantity Charges (\$/TGAL)					
Winter (Oct. to June)	\$8.88	\$9.41	\$9.97	\$10.57	\$11.20
Summer (July to Sept.)	\$18.33	\$19.43	\$20.60	\$21.84	\$23.15
Hydraulic Zone Charge (\$/TGAL)					
Zone 3	\$1.10	\$1.17	\$1.24	\$1.31	\$1.39
Zone 2	\$2.19	\$2.32	\$2.46	\$2.61	\$2.77
Zone 4	\$6.16	\$6.53	\$6.92	\$7.34	\$7.78
Other Quantity Charges (\$/TGAL)					
Temporary Meter	\$15.10	\$16.01	\$16.97	\$17.99	\$19.07
Service Charges (bi-monthly fixed charge based on meter size)					
5/8"	\$42.59	\$45.15	\$47.86	\$50.73	\$53.77
1" Fire ³	\$42.59	\$45.15	\$47.86	\$50.73	\$53.77
PRE 5/8" & 1"	\$42.59	\$45.15	\$47.86	\$50.73	\$53.77
1"	\$107.60	\$114.05	\$120.89	\$128.14	\$135.83
1 1/2"	\$214.07	\$226.91	\$240.52	\$254.95	\$270.25
2"	\$341.84	\$362.35	\$384.09	\$407.14	\$431.57
3"	\$682.56	\$723.51	\$766.92	\$812.94	\$861.72
4"	\$1,065.87	\$1,129.82	\$1,197.61	\$1,269.47	\$1,345.64

¹ Allocation is 250 gpd per dwelling unit

² Allocation is 350 gpd per dwelling unit

³ Only for 1" residential meters that are upsized due to fire code requirements

Conclusion - This Study used methodologies that are aligned with industry standard practices for rate setting as promulgated by AWWA and all applicable laws, including California's Proposition 218. The proposed annual adjustments to the rates will allow the District to continue to provide reliable service to customers while meeting operational and infrastructure needs of the service area. The water rates will need to be adopted in accordance with the noticing requirements of Proposition 218.

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Schedule 5 – Allocation of Costs to System Functions

Schedule 6 – Schedule of Proposed Rates

List of Acronyms

AWWA	American Water Works Association
CIP	capital improvement program
COS	cost of service
DCR	debt service coverage ratio
FY	fiscal year (which ends on June 30 for the District)
gpm	gallons per minute
gpd	gallons per day
O&M	operations and maintenance
OPEB	Other Post-Employment Benefits
pay-go	“pay as you go” (i.e., cash financing for capital projects)
TGAL	thousand gallons
PRE	Paradise Ranch Estates
PRS	Pt. Reyes Station
PRTP	Pt. Reyes water treatment plant
RCNLD	replacement cost new less depreciation

Section 1. INTRODUCTION

Hildebrand Consulting, LLC has been retained by North Marin Water District (District) to conduct a rate study (Study) for the West Marin Water service area (also referred to as the West Marin Water enterprise). This report describes in detail the assumptions, procedures, and results of the Study, including conclusions and recommendations.

1.1 UTILITY BACKGROUND

The District's West Marin Water System serves primarily the Point Reyes Station (PRS), Olema, Bear Valley, Inverness Park and Paradise Ranch Estates (PRE) communities and parcels later annexed in to the PRS and PRE-improvement district within NMWD's West Marin service territory in Marin County, encompassing approximately 24 square miles. During fiscal year (FY) 2019/20², the West Marin Service area had approximately 767 active service connections serving approximately 832 dwelling units. The estimated service area population is 1,800.

The North Marin Water District was formed by voter approval in April 1948 pursuant to provisions of the County Water District Law and is governed by a five-member Board of Directors, elected by division from within the District's service area.

The water supply for the West Marin Water System is currently derived from two sources: wells located on the former Coast Guard housing facility property in Point Reyes Station (referred to as the "Coast Guard Wells") and Gallagher Well #1 which is 1.3 miles northeast of Highway 1 within the Gallagher Ranch. All groundwater is treated at

² Fiscal years are sometimes indicated by their ending years. For example, FY 2019/20, starts on July 1, 2019 and ends on June 30, 2020, can also be expressed as FY 2020.

the Point Reyes Water Treatment Plant (PRTP) before entering the potable water distribution system.

Due to the Coast Guard Wells' location in the lower tidal reach of Lagunitas Creek, they are subject to periodic salinity intrusion and occasional flooding. Gallagher Well #1 is located upstream of any tidal reach of Lagunitas Creek. Due to continued water quality issues at the Coast Guard wells, the District plans to install a second well on the Gallagher Ranch (Gallagher Well #2).

1.2 SCOPE & OBJECTIVES OF STUDY

The scope of this Study is to prepare multi-year financial plans, review the rate structures, and propose a 5-year rate schedule.

The primary objectives of this Study are to:

- i. Develop a multi-year financial management plan that integrate operational and capital project funding needs.
- ii. Identify future rate adjustments to water rates to help ensure adequate revenues to meet the enterprise's ongoing financial obligations.
- iii. Determine the cost of providing water service using industry-accepted methodologies.
- iv. Recommend specific modifications to the District's existing rate structures in order to ensure that the District is equitably recovering the cost of service and comporting with industry standards and California's legal requirements.

1.3 STUDY METHODOLOGY

This Study applied methodologies that are aligned with industry standard practices for rate setting as laid out in the American Water Works Association (AWWA) M1 Manual, and all applicable laws, including California Constitution Article XIII D, Section 6(b), commonly known as Proposition 218.

The Study began with a review of the West Marin Water enterprise's current financial dynamics and latest available data for the utility's operations. A multi-year financial management plan was then developed to determine the level of annual rate revenue required to cover projected annual operating expenses, debt service (including coverage targets), and capital cost requirements while maintaining adequate reserves. This portion of the Study was conducted using an MS Excel©-based financial planning model which was customized to reflect the enterprise's financial dynamics and latest available data for the utility's operations in order to develop a long-term financial management plan, inclusive of projected annual revenue requirements and corresponding annual rate adjustments.

Revenue requirements calculated for fiscal year ending June 2022 (FY 2021/22) were then used to perform a detailed cost-of-service (COS) analysis. The COS analysis and rate structure design were conducted based upon principles outlined by AWWA, legal requirements (Proposition 218) and other generally accepted industry practices to develop rates that reflect the cost of providing service.

Section 2. FINANCIAL PLAN

This section presents the 10-year financial plan, including a description of the source data, assumptions, and the District’s financial policies. The District provided historical and budgeted financial information associated with operation of the West Marin Water System, including historical and budgeted operating costs, a multi-year capital improvement program (CIP), and outstanding debt service obligations. District staff also assisted in providing other assumptions and policies, such as reserve targets and escalation rates for operating costs (all of which are described in the following subsections).

The 10-year financial plan was developed through several interactive work sessions with both District staff and the District Board’s Ad Hoc Water Rate Study Subcommittee. As a result of this process, the Study has produced a robust financial plan that will allow the District to meet revenue requirements and achieve financial performance objectives throughout the projection period while striving to minimize rate increases.

The analysis identifies a revenue shortfall in upcoming years which leads to a conclusion that revenue adjustments are required for the West Marin Water service area. The schedules attached to this report include detailed data supporting the financial plan discussed herein.

2.1 BEGINNING FUND BALANCES

The ending cash balances for FY 2019/20 were used to establish the FY 2020/21 beginning balances, as outlined in **Table 1**.

Table 1: West Marin Enterprise FY 2020/21 Beginning Cash Balance

Liability Contingency Fund	\$99,000
Workers Comp Fund	\$16,000
Operating Reserve Fund	\$183,000
Unrestricted/Undesignated Cash	\$655,000
Total Unrestricted:	\$953,000
Restricted:	
Bank of Marin Project Fund	\$194,000
Total Reserves:	\$1,147,000

The “restricted” Bank of Marin Project Fund is part of excess funds from a loan taken out by the Novato enterprise. The cash is earmarked for capital projects which are scheduled to be expended in the current fiscal year (FY 2020/21).

2.2 WEST MARIN AREA CUSTOMER GROWTH

Over the past 4 years the Connection Fee³ revenue collected from new customers connecting to the system has been as much as \$68 thousand and as little as \$0. Growth in this area is expected to be very limited. While the West Marin 2014 Master Plan cites total build out of 44% from the time of the study, it does not specify when that growth will occur. Based on recent trends, this Study assumes that the service area will receive one new connection every two years. This corresponds with a growth rate of approximately 0.11%. This Study assumes that this rate of growth will continue over the next 10-year planning period, while also recognizing that actual growth may turn out to be materially higher.

2.3 RATE REVENUES

Rate revenue is the revenue generated from customers for water service. The District collects rate revenue from water customers based on a fixed “Service Charge” (assessed

³ The District’s “Connection Fees” are known as “Capacity Charges” per Government Code Section 66013.

based on meter sizes) and a water usage “Quantity Rate.” Customers receive a bimonthly bill. The financial plan starts with FY 2020/21 budgeted rate revenues. Future rate revenues include assumed customer growth (see Section 2.2) as well as the annual rate revenue adjustments proposed by this Study. Budgeted and projected rate revenues (including proposed rate adjustments) are detailed in **Schedule 1**.

2.4 NON-RATE REVENUES

In addition to rate revenue, the District receives some “non-rate revenue” from sources such as miscellaneous service fees, property tax, Connection Fees revenue, grants, and interest revenue on investments. Projections of all non-rate revenues were based on FY 2020/21 budgeted revenues with the exception of interest income which was calculated annually based upon projected fund balances and assumed interest rate of 0.88% on invested funds, which is consistent with the District’s recent interest earnings. Budgeted non-rate revenues are depicted in Figure 2 below and listed in detail in Schedule 1.

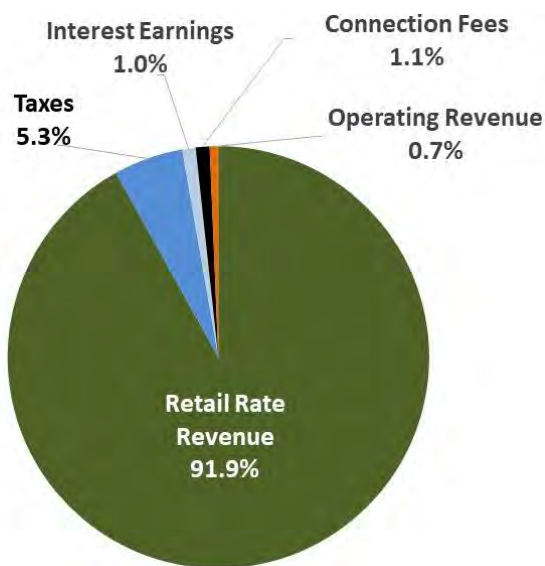


Figure 1: Budgeted Revenue Categories (FY 2020/21)

2.5 OPERATING AND DEBT EXPENSES

West Marin Water enterprise expenses include operating and maintenance (O&M) expenses and debt service. Capital spending is addressed in Section 2.7. The current

outstanding debt is limited to the West Marin Water enterprise's portion of the 2008 loan from Bank of Marin (a \$8.0 million loan of which \$1 million was spent on West Marin Water System capital projects). The annual debt service in FY 2020/21 is \$71 thousand. The debt will be paid off in FY 2031/32.

Future operating expenses were projected based upon the budgeted expenditures from FY 2020/21 and adjusted for inflation (see Section 2.6).

Budgeted expense categories for FY 2020/21 are depicted in **Figure 2**. Budgeted and projected operating and debt expenses are listed in detail in **Schedule 2**.

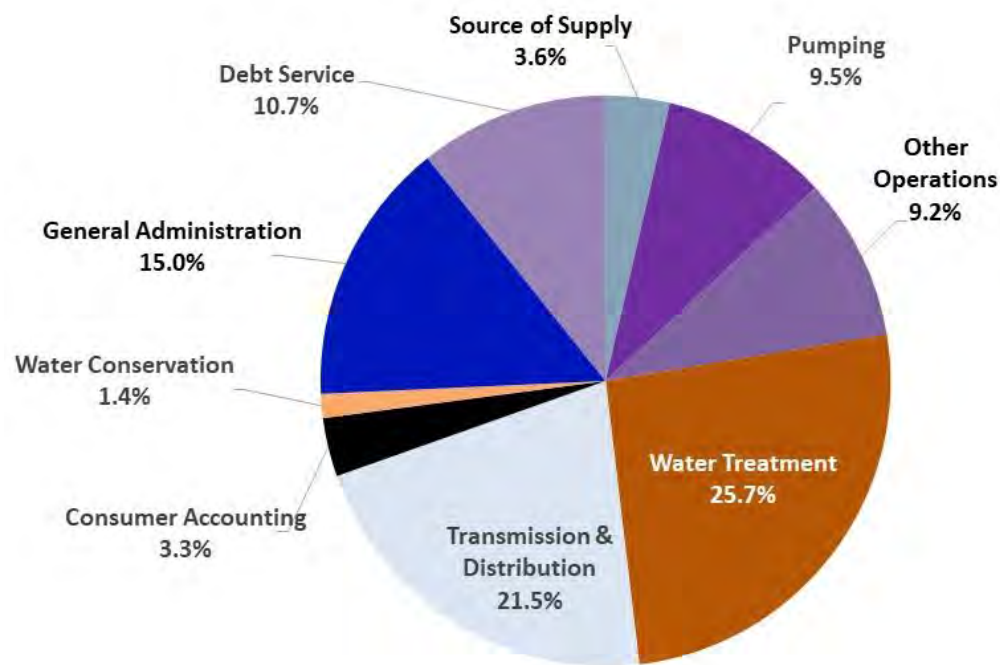


Figure 2: Budgeted Expense Categories (FY 2020/21)

2.6 COST ESCALATION

Annual cost escalation factors for expenses were developed based upon a review of historical inflation trends, published inflation forecasts, industry experience, and

discussions with District staff. During the projection period, all expenses are projected to increase at 3.0% per year.

2.7 CAPITAL IMPROVEMENT PROGRAM

Figure 3 shows that total capital spending from FY 2016/17 to FY 2018/19 averaged \$127 thousand per year. In the immediate term, from FY 2019/20 through FY 2021/22, the District is experiencing a spike in capital spending as detailed in **Schedule 3**. In approximately 10 years (assumed to be FY 2029/30 for the purpose of this Study) the District expects that a major (\$3.8 million in current dollars) rehabilitation project will be required at the Pt. Reyes water treatment plant (PRTP). When excluding the anomalous project at PRTP, the average annual capital spending over the coming 10-year period will be about \$250 thousand (in current dollars). This increase in capital spending is necessary in order to increase water supply (new Gallagher Well #2), bolster the service area water storage and fire protection capacity (replacement and upsizing of Paradise Ranch Estate's Tank #4A), and pro-actively address aging infrastructure (series of replacement projects). In addition, the District is required to temporarily relocate pipes on two separate bridges that are being rehabilitated by Caltrans and the County.

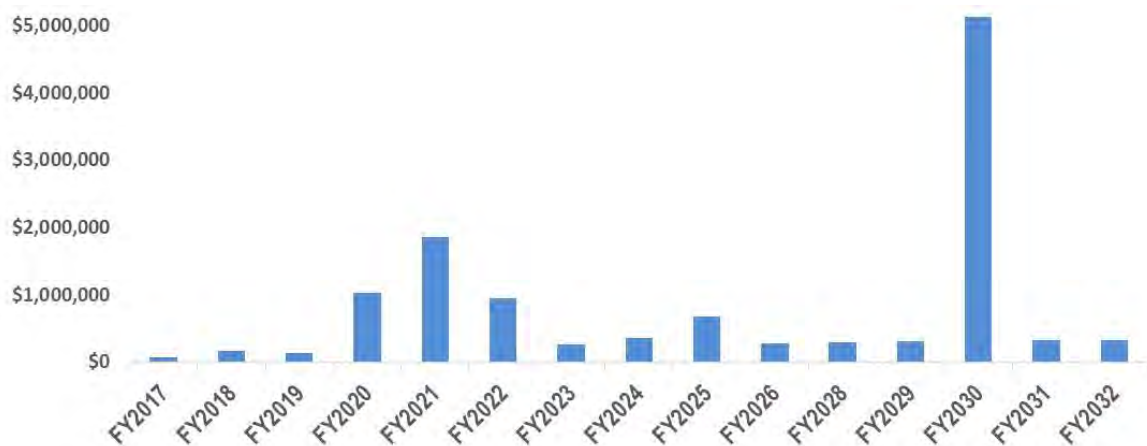


Figure 3: Historic and projected capital spending (after projected inflation)

The District's capital spending forecasts were provided in current dollars and therefore are expected to inflate at a rate of 3% per year.

2.8 RESERVE TARGETS

Target reserves for utilities are cash balances retained for specific cash flow needs. The target for reserves is an important component when developing a multi-year financial plan. Utilities rely on reserves for financial stability; credit rating agencies evaluate utilities in part on their adherence to formally adopted reserve targets; and lending agencies require utilities to maintain specific debt reserves for outstanding loans.

The District has formal reserve policies (Policy No. 45, last revised on May 1, 2018) which includes three reserve targets that are relevant to the West Marin Water enterprise, as summarized below. The target levels of the policies below are consistent with 1) the findings of reserve studies conducted by AWWA; 2) a healthy level of reserves for a utility per the evaluation criteria published by rating agencies (e.g., Fitch, Moody's, and Standard & Poor's); and 3) Hildebrand Consulting's industry experience for similar systems.

Operating Reserve – The Operating Reserve is comprised of a minimum of four months of budgeted operating expenditures as established by previous financial analyses and consistent with standard industry practices. This reserve serves to ensure adequate working capital for operating, capital, and unanticipated cash flow needs that arise during the year.

Given the forecasted FY 2021/22 O&M budget of \$584 thousand, the Operating Reserve target is currently **\$200 thousand**.

Liability Contingency Reserve – This reserve was established when the District first elected to self-insure its general liability risk. Today the total reserve target is \$2 million based on an independent financial assessment of the District's current liabilities. The West Marin Water enterprise's proportionate responsibility for that reserve is **\$98 thousand** based on the relative number of accounts in its service area.

Maintenance Accrual Fund Reserve – This reserve provides a source of funds for the replacement of treatment, storage, transmission, and distribution facilities as they wear out. The target for this reserve is proposed to be **\$380 thousand**, based on the

anticipated average annual capital spending (excluding the longer term and anomalous PRTP improvement project (see Section 2.7) which is expected to be debt financed).

This Study proposes that the District distinguish between “**Minimum Reserves**” and “**Reserve Targets**”. The first two reserves targets above (the Operating Reserve target and Liability Contingency Reserve target, which add up to approximately \$300 thousand) are maintained for the purpose of mitigating unexpected expenses or events. For this reason, the District should always plan to have these reserves fully funded in order to protect the District from unexpected events. On the other hand, the Maintenance Accrual Fund Reserve is intended to be more flexible, as it’s designed to give the District some “cushion” in order to smooth out the peaks and valleys in the pay-go capital spending program. It makes sense to draw down on this reserve during years of higher-than-average pay-go spending and replenish the reserve during years with lower-than-average spending. As such, the Maintenance Accrual Fund Reserve is treated as a “target” rather than a “minimum”.

The reserves by year are shown in the 10-Year Cash Flow Proforma (see **Schedule 4**, row 31), which shows that (given the proposed rate revenue increases) the projected cash reserves are not expected to fall below the Minimum Reserves during the planning period but are expected to fall below the Reserve Targets briefly in FY 2024/25.

2.9 FUTURE BORROWING ASSUMPTIONS

This Study assumes that \$1.6 million will be borrowed from the Novato Enterprise to help fund immediate capital spending needs in the West Marin Water enterprise. This Study assumes a repayment period of 10-years and an interest rate of 0.88%, which is consistent with the District’s recent interest earnings on reserves (see Section 2.4). The annual debt service associated with the internal loan is estimated to be \$163 thousand.

In addition, it is assumed that the District will debt finance the \$3.8 million PRTP improvement project in about 10 years. The terms of that future debt are assumed to be 4% interest with a 20-year repayment period. The annual debt service associated with the PRTP loan is estimated to be \$384 thousand.

The District has a policy of maintaining a debt service coverage ratio (DCR) of 1.50. Based on recently published guidance from Fitch Ratings⁴, utility systems with *midrange* financial profiles should maintain a DCR greater than 1.50 times annual debt service. As per the District's debt management policy (Policy No. 47), a DCR of at least 1.50 was maintained throughout the projection period to enable the District to access favorable borrowing terms in the future.

2.9.1 Proposed Rate Revenue Increases

All of the above information was entered into the financial planning model to produce a 10-year projection of the sufficiency of revenues to meet current and projected financial requirements and determine the level of rate revenue increases necessary in each year of the projection period.

Based upon the previously discussed financial data, assumptions, policies, and debt strategy (a near-term \$1.6 million internal loan and a future bond for the PRTP improvement project), this Study proposes a 5-year schedule of rate adjustments as detailed in **Table 2**.

Table 2: Recommended West Marin Water System Rate Revenue Increase

Rate Adjustment Date	Proposed Rate Increase
July 1, 2021	6.0%
July 1, 2022	6.0%
July 1, 2023	6.0%
July 1, 2024	6.0%
July 1, 2025	6.0%

⁴ As published on July 31, 2013.

The numbers provided in **Schedule 4** (cash flow proforma) are summarized graphically in **Figure 4**, which shows that cash reserves and DCR targets are maintained over the course of the planning period.

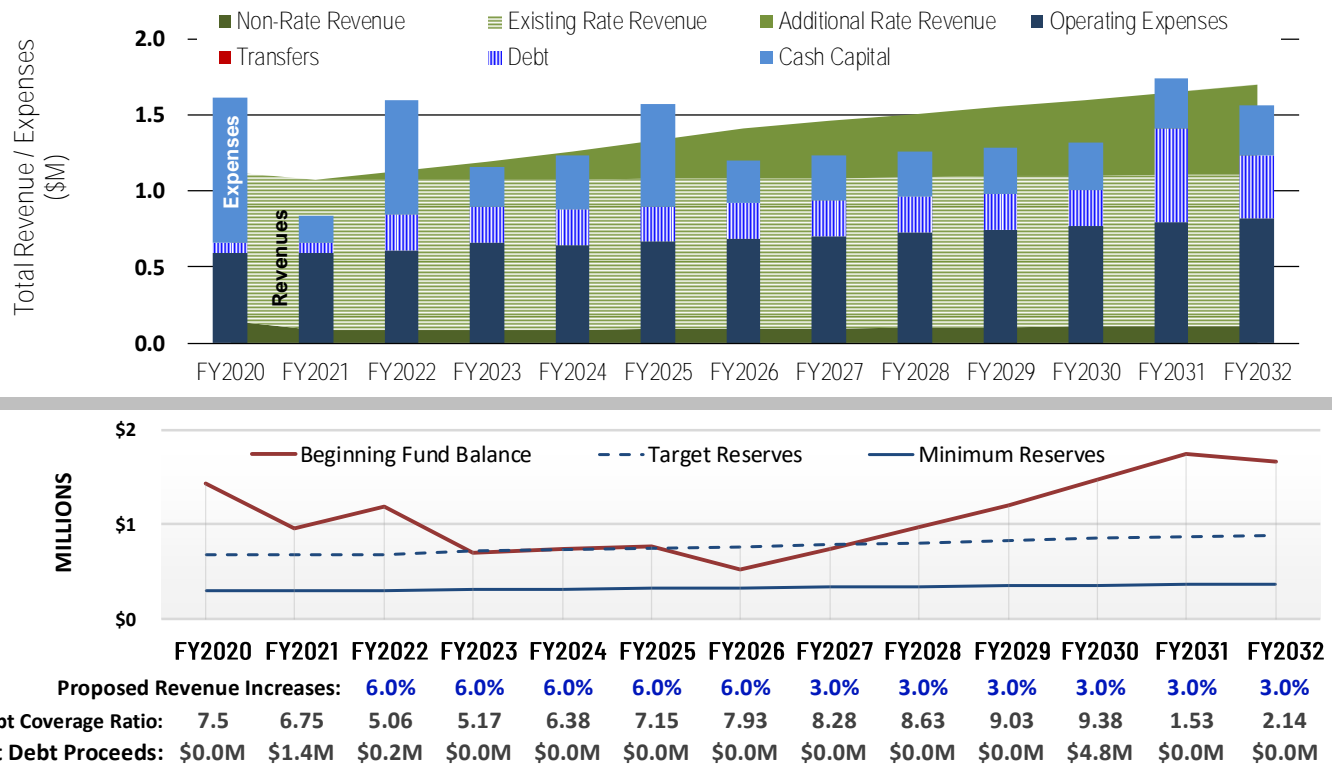


Figure 4: Financial Projection with Recommended Rate Increases

After the final recommended increase in FY 2025/26, it is projected that minimal (approximately inflationary) increases will be necessary going forward, barring unforeseen emergencies or changes in infrastructure/operational needs.

Section 3. COST OF SERVICE & RATE STRUCTURE

The Cost-of-Service (COS) analysis evaluates the cost of providing water service and allocates those costs to rate structure components to ensure the proposed rates are aligned with costs to provide service. The COS analysis is done in order to comply with Proposition 218, which requires water rates to be equitably apportioned and proportional to the cost of providing water service.

Upon completion of the COS analysis, a rate structure analysis was performed to evaluate rate structure modifications and calculate specific rate schedules for implementation in FY 2021/22. The complete schedule of proposed rates for FY 2021/22 through FY 2024/25 is detailed in **Schedule 6**.

The rate structure proposed by this Study is designed to:

- ▶ Fairly and equitably recover costs through rates.
- ▶ Conform to accepted industry practice and legal requirements.
- ▶ Provide fiscal stability and recovery of utility fixed costs.

This Study employed a COS methodology that is consistent with the “commodity-demand” COS methodology promulgated in AWWA’s *Manual M1: Principles of Water Rates, Fees, and Charges (M1)*. This is a well-established methodology as recognized by AWWA and other accepted industry standards.

3.1 CURRENT RATES

The structure for the District’s current water rates follow a common industry practice with a two-part structure that is comprised of a fixed Service Charge and a consumption-based Quantity Charge. In addition, some water customers pay an additional Hydraulic Zone Charge, which is a consumption-based charge based on the elevation of the property. The Service Customer Charge is scaled based on the

individual account's meter size and currently recovers approximately 20% of rate revenue.

The Quantity Charge is assessed based on actual water usage (measured in thousand-gallon increments or "TGALs") and the rate varies by customer class. Residential water customers pay inclining block rates (three tiers) and receive water allocations for each tier as summarized in **Table 3**.

Table 3: Current Residential Tiered Rates

Tier	Rate (per TGAL)	Allocation (gallons per day per dwelling unit)	Range of Usage
1	\$9.66	400	0 - 400
2	\$13.38	500	400 - 900
3	\$21.45	na	Greater than 900

Commercial (i.e., all non-residential) water customers currently pay a uniform season rate as shown in **Table 4**.

Table 4: Current Commercial Seasonal Rates

Season	Rate (per TGAL)
Summer (June through October)	\$13.51
Winter (November through May)	\$9.77

The Hydraulic Zone Charge is a surcharge added to the water Quantity Rates, as summarized **Table 5**.

Table 5: Current Hydraulic Zone Charges

Zone	Rate (per TGAL)	Approximate Elevation
Zone 1	\$0.00	0 - 200 ft.
Zone 3 (Olema):	\$0.95	200 - 250 ft.
Zone 2 (others¹):	\$0.25	250 ft. to 350 ft.
Zone 4 (Upper PRE):	\$6.46	Above 350 ft.

¹ Includes Inverness Park, Bear Valley, and Lower Paradise Ranch Estates

The District currently assesses a surcharge of \$3.85 per TGAL to customers that are located outside of District boundaries. The outside customer surcharge was not included in the scope of this Study.

The District currently charges a special Service Charge rate to Paradise Ranch Estate (PRE) accounts. This special rate was originally established based on the cost of a revenue bond that was used to fund the cost of connecting the PRE service area to the West Marin Water System.

The District charges a private fire service charge for the cost of maintaining fire service line valve assemblies on private property.

3.2 PROPOSED RATE STRUCTURE CHANGES

This Study has found that the District's current rate structures are consistent with common industry practices and recommends the following modifications and updates.

1. Update the meter equivalency schedule (see Section 3.2.1)
2. Structure the tiered and seasonal rates to reflect the cost of water supply (see Sections 3.2.2 & 3.3)
3. Eliminate the special service charges for PRE (given that the revenue bond has now be fully paid off)
4. Update the hydraulic zone charges (see Section 3.3.5)
5. Update the private fire charge (see Section 3.4)

The above proposed changes are explained in more detail in the following subsections.

3.2.1 Meter Equivalency

A meter equivalency schedule is an industry-standard factor used to represent the relative capacity associated with various meter sizes based on their hydraulic flow capacity (measured in gallons per minute (gpm)). A meter equivalency schedule allows for indexing of each meter size in terms of multiples of the lowest common denominator (in this case a 5/8" meter). This Study recommends a standard meter

equivalency table as taken from AWWA’s M1 manual as shown in **Table 6**. The application of this meter equivalency schedule is discussed further in Section 3.3.2.

Table 6: Meter Equivalency Schedule

Meter Size	Meter Type	Rating (gpm)	Equivalency Schedule
5/8"	Displacement	20	1.00
1"	Displacement	50	2.50
1 1/2"	Displacement	100	5.00
2"	Displacement	160	8.00
3"	Compound Class 1	320	16.00
4"	Compound Class 1	500	25.00

Source: Table B-2 AWWA meter standards, *AWWA M1 Manual*, 7th Ed. (2017)

3.2.2 Tier and Seasonal Rate Pricing and Allocation

The design of tiered and seasonal rates in this Study is made up of two components: the rate (i.e., the cost per unit) and the allocation (i.e., the number of allocated units (in gpd)). The rate is based on the cost of specific water supply sources while the allocation is based on the availability of that particular water supply.

The Residential **Tier 1 rate** and the Commercial **Winter rate** are designed to recover all of the District’s operating, maintenance and capital costs that are associated with the West Marin Water System’s “Baseline” water demands. By Baseline water demand, we mean that the water supply from the West Marin Water System’s existing water supply sources (currently from the Coast Guard wells and Gallagher Well #1) would be largely sufficient to meet current water demands if all customers used water more efficiently. However, based on current demands coupled with deteriorating water quality at the Coast Guard wells (which are experiencing intermittent salinity intrusion) the District is constructing a second well at Gallagher Ranch (Gallagher Well #2).

For the purposes of establishing a cost basis for the District’ rate structure, this Study assumes that half of the supply that will come from future Gallagher Well #2 will be

needed to address the District's Baseline water supply needs, while the other half of the supply from Gallagher Well #2 will be needed to meet the demands created by higher volume water users (i.e., Marginal water supply). As such, the rate differential between Tier 1 vs. **Tier 2** rates is based on half of the capital costs associated with Gallagher Well #2.

As an additional component, the costs of the District's Conservation Program are "layered" over the Tier 2 rates to create the **Tier 3** rate. Customers that use Tier 3 water are the primary drivers for the need for the Conservation Program.

The Gallagher Well #2 costs and conservation program costs are also recovered through Commercial **Summer Rates**. The peak demands during summer months drive the need for the full capacity of Gallagher Well #2 as well as the conservation program.

Since the Coast Guard wells, Gallagher Well #1 and half of Gallagher Well #2 are expected to produce about 80% of the West Marin Water System's water supply, the allocation of Tier 1 is proposed to be 250 gallons per day (gpd) per dwelling unit (see Table 7)), which results in a similar percentage of water to be sold at Tier 1 rates to residential accounts. Similarly, the "season" for the Commercial Winter Rate extends from October through June, which also results in approximately the same percentage of commercial water being sold at the Winter Rate.

The sale of water in Tier 2, Tier 3, and the Summer Rate⁵ will collectively amount to 20% of the water sales, which corresponds to the proportion of the West Marin Water System's water that comes from half of Gallagher Well #2 supply. The Tier 2 allocation is 350 gpd per dwelling unit (i.e., for water usage between 250 gpd to 600 gpd, see Table 7), which results in about 18% of water sold to residential accounts to be sold at Tier 2 rates. An additional 4% is sold at Tier 3 rates, which is a reasonable percentage for the purpose of isolating those customers that use the most water. The Tier 3 rate applies to

⁵ The Summer Rate will apply to the months of July, August and September, as opposed to the current months of June, July, August, September and October.

all water usage above 600 gpd (per dwelling unit). There is no allocation for Tier 3 because there is no upper limit to the water that can be used.

Table 7: Proposed Residential Tier Water Allocations

Tier	Allocation (gallons per day per dwelling unit)	Range of Usage
1	250	0 - 250
2	350	250 - 600
3	na	Greater than 600

Figure 5 and **Figure 6** present graphical summaries of the cost and supply for the tiered rates and seasonal rates, respectively.

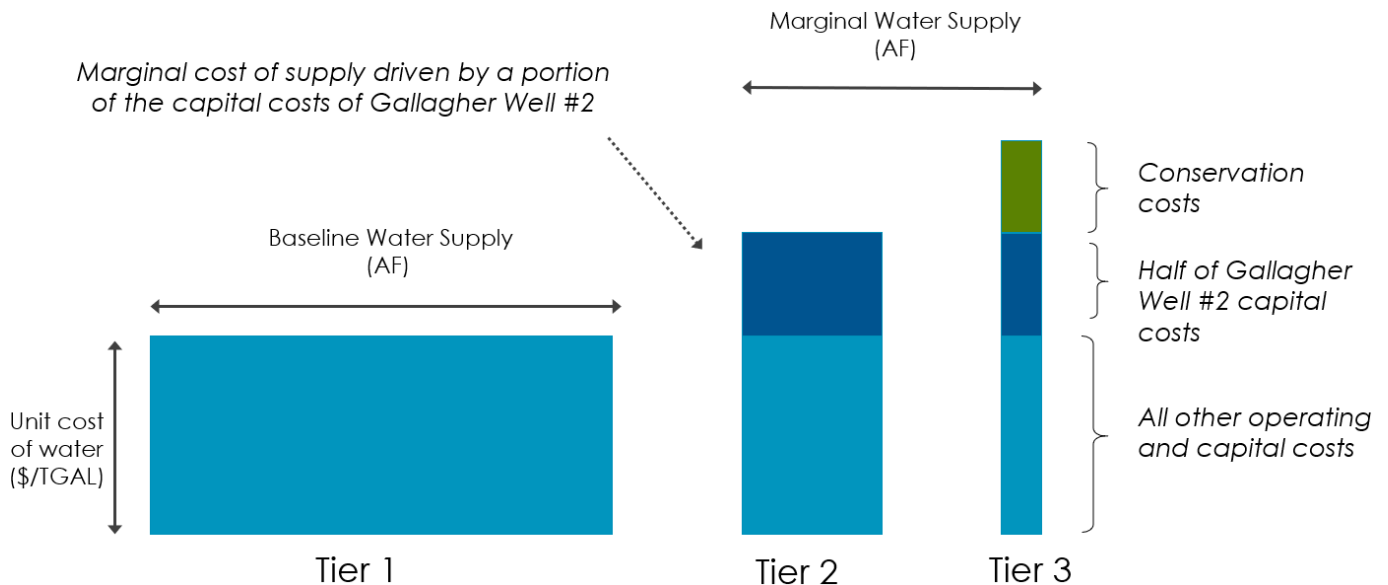


Figure 5: Basis for Tiered Rate Costs and Allocations

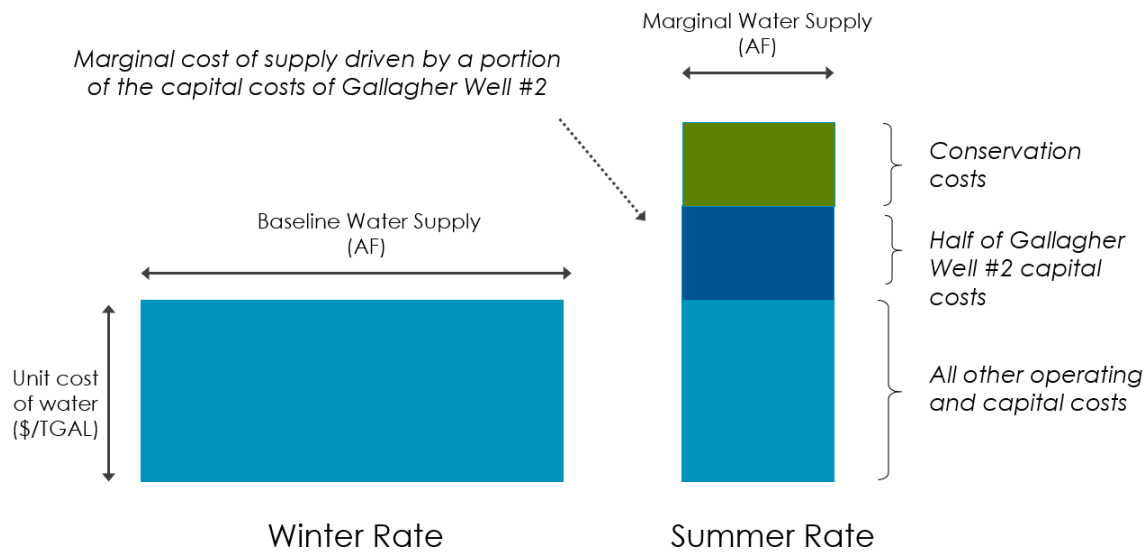


Figure 6: Basis for Seasonal Rate Costs and Allocations

3.3 RATE STRUCTURE DEVELOPMENT

The following section presents a detailed description of the process for developing the water rate structure for the West Marin Water enterprise using cost of service principles. The following rates are proposed to be adopted for FY 2021/22. A complete schedule of proposed rates for the next 5 years is provided in **Schedule 6**.

3.3.1 Cost Functions

All costs for the West Marin Water enterprise's FY 2021/22 ("Test Year") are first allocated to five system functions: Customer Service, Water Distribution, Baseline Water Supply, Marginal Water Supply, and Conservation. These grouped costs will eventually form the basis of the proposed Service Charges and Quantity Charges (as illustrated in **Figure 7**).

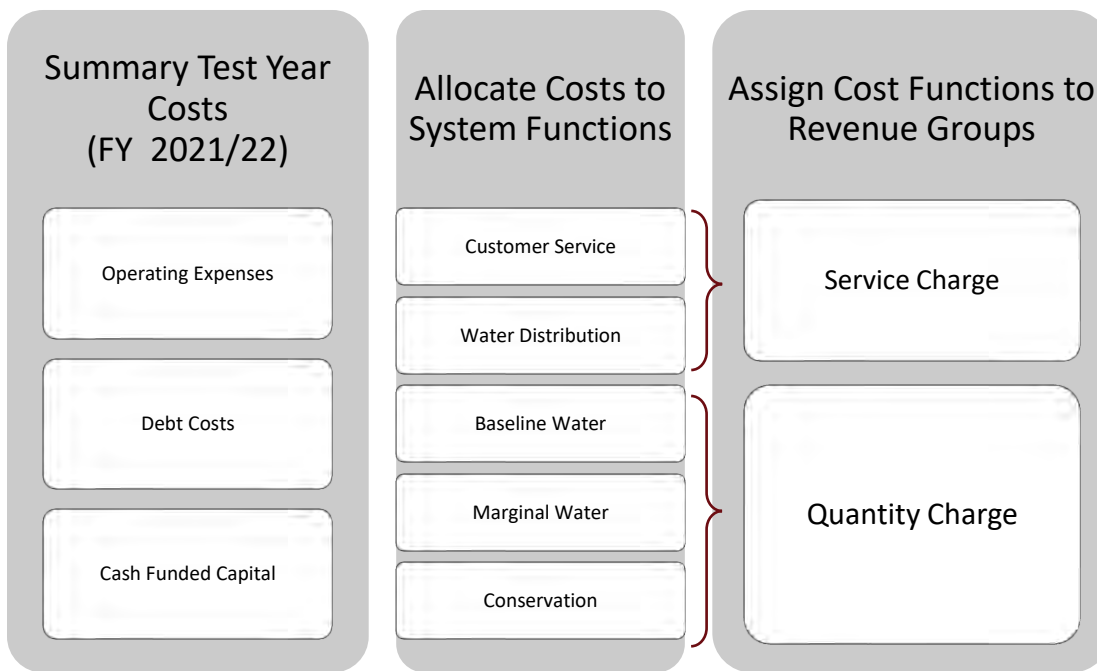


Figure 7: Cost Functions

Operating and capital line-item expenses are assigned to a specific system function or activity. The following explains the percent allocations that are detailed in **Schedule 5**:

- Direct allocations - Some costs can be allocated directly to a functional component. For example, Transmission and Distribution costs (see Rows 26 through 39 of Schedule 5) allocated 100% to the Water Distribution function.
- Water utilization allocation - Costs associated with water supply are split 80% for the Baseline Water Supply and 20% for the Marginal Water Supply based on the estimated water supply coming from each source. In some cases, a portion (10%) of those costs are broken out for Conservation costs in recognition that conservation efforts are considered a form of water supply. This is exemplified in Rows 1 through 4 (Source of Supply).
- Operations - Some of the District's operational costs are split between distribution and supply. In those cases (such as Rows 9 through 13), the costs are allocated 39.6% to Water Distribution (consistent with the value calculated for the Novato service area, see the 2020 Novato and Recycled Water Rate Study)

and the rest is split between Baseline and Marginal water supply based on the 80/20 split previously described.

- Indirect cost allocation – Beginning with Row 46 in Schedule 5, a number of costs are allocated using the indirect cost allocation method, which is based on the proportionate allocation of all costs that were previously allocated to the respective system functions (see Row 45 of Schedule 5). The indirect method also applies to the allocating credits from drawing down on reserves (see Row 52).
- Capital Spending –Capital expenses (including debt service) are split between distribution and supply. The costs are allocated 30% to Water Distribution (similar to the value calculated based on asset value in the Novato service area, see the 2020 Novato and Recycled Water Rate Study) and the rest is split between Baseline and Marginal water supply based on the 80/20 split previously described.
- Credits – In order to balance the revenue requirements, other revenue sources are accounted for in Rows 53 through 57. In some cases, these miscellaneous revenue sources are used to offset fixed charges (by allocating the revenues to the Water Distribution category) and in other cases the revenue is used to offset variable charge (by allocating to the water supply categories).

3.3.2 Units of Service

As explained in Section 3.3.1, the revenue requirements established for each system function (see bottom row of Schedule 5) are recovered through the Service Charges and Quantity Charges. The unit cost of those charges are calculated by dividing the rate revenue requirement of each system function by an appropriate metric. For example, the Customer Service revenue requirement is divided by the number of accounts in the West Marin Water service area to calculate a cost per account.

The following describe units of service that were quantified for this Study.

Accounts – There are 767⁶ water accounts within the West Marin Water System.

Equivalent Meters –The concept of meter equivalency is explained in Section 3.2.1. **Table 8** shows the calculation of the total equivalent meters for water accounts in the West Marin Water service area.

Table 8: Water Meter Equivalencies

Meter Size:	5/8"	1"	1.5"	2"	3"	4"	Total
Residential:	668	9	10	1			688
Commercial:	55	17	3	2	1	1	79
Total:	723	26	13	3	1	1	767
Meter Equivalency:	1.0	2.5	5.0	8.0	16.0	25.0	
Equivalent Meters:	723	65	65	24	16	25	918

Baseline Water Supply –It is estimated that the water supply from the Coast Guard wells and Gallagher Well #1, and half of Gallagher Well #2 is approximately 80% of the West Marin Water System’s water supply (or approximately 53 million gallons per year). As previously explained, the costs associated with this water establishes the Tier 1 and Winter Rates.

Marginal Water Supply – The remaining water, about 20% or 14 million gallons, will come from the other half of production from Gallagher Well #2. The costs associated with this water establishes Tier 2 rates and a portion of Tier 3 and Summer Rates.

Conservation – The costs for the District’s conservation program are recovered through Tier 3 and Summer rates. The tier allocations described in Section 3.2.2 will result in about 4% of residential water sales to be Tier 3 Rates.

⁶ Does not include private fire services or temporary hydrant meters

3.3.3 Unit Costs

The revenue requirements for each system function (from the last row in Schedule 5) are divided by the appropriate units of service in order to calculate the unit costs that will build the rate structure. These calculations are shown in **Table 9**.

Table 9: Calculation of Unit Costs

System Function:	Customer Costs	Distribution System	Baseline Water Supply	Marginal Water Supply	Conservation
Units of Service:	767 Accounts	918 Equivalent Meters	53,200 TGALs	13,900 TGALs	5,400 TGALs
Revenue Requirement:	\$5,200	\$228,400	\$472,700	\$179,400	\$29,300
Unit Costs:	\$6.72 per account per year or \$1.12 per account per bi-month	\$248.79 Per equivalent meter per year or \$41.47 per equivalent meter per bi-month	\$8.88 Per TGAL for Tier 1 & Summer Water	\$12.91 Per TGAL for Tier 2, Tier 3 & Summer Water	\$5.42 (additional) per TGAL for Tier 3 & Summer Water

3.3.4 Service Charges

The fixed Service Charge is made up of an account charge (\$1.18 per bi-month) and a meter charge (\$40.97 per equivalent meter per bi-month). **Table 10** provides a complete schedule for all meter sizes.

Table 10: Proposed Service Charges

Meter Size	Account Charge	Meter Charge	Bi-Monthly Service Charge
5/8"	\$1.12	\$41.47	\$42.59
1" Fire*	\$1.12	\$41.47	\$42.59
1"	\$1.12	\$106.48	\$107.60
1 1/2"	\$1.12	\$212.95	\$214.07
2"	\$1.12	\$340.72	\$341.84
3"	\$1.12	\$681.44	\$682.56
4"	\$1.12	\$1,064.75	\$1,065.87

** This Study recommends that residential accounts with a 1" meter that would otherwise have a 5/8" but-for fire requirements be charged at the 5/8" meter rate.*

3.3.5 Hydraulic Zone Charge

All water in the West Marin Water service area is pressurized when delivered to customers. The District must provide additional pressurization to deliver water to customers located at higher elevations.

The cost of lifting water to higher elevations includes capital costs and energy (electricity). First the replacement cost new less depreciation (RCNLD) of the pumping assets at each zone is quantified based on asset records (see column b in Table 11). The annual depreciation expense is then calculated based on the expected useful life for different types of assets (see footnotes to table below). From this value a replacement charge is calculated by dividing column c by the annual water usage at the pump station (see column a). The electricity charge is calculated by dividing the annual cost of electricity (column e) by the annual water usage (column a). Together these two charges yield the proposed charge by hydraulic zone.

Table 11: Hydraulic Zone Charge Calculation

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	Annual Water Usage (TGAL)	Asset Value (RCNLD)	Annual Depreciation Expense ¹	Replacement Charge (\$/TGAL)	Annual Electricity Costs	Electricity Charge (\$/TGAL)	Proposed Hydraulic Zone Charge (\$/TGAL)
Zone 3² (Olema):	9,800	\$370,000	\$8,220	\$0.84	\$2,500	\$0.26	\$1.10
Zone 2 (others³):	17,600	\$1,137,000	\$27,780	\$1.58	\$10,700	\$0.61	\$2.19
Zone 4⁴ (Upper PRE):	6,700	\$986,000	\$19,720	\$2.94	\$6,900	\$1.03	\$6.16
	34,100		\$49,300		\$20,100		

¹ Assumes a 25 year expected useful life for Pump Station infrastructure and 50-year expected useful life for storage infrastructure (tanks).

² The historical naming convention for the zone is not consistent with the actual elevation differences. Zone 2 is in fact a higher

³ Includes Inverness Park, Bear Valley, and Lower Paradise Ranch Estates

⁴ Zone 4 water is first pumped through the Zone 2 pump station, therefore the hydraulic charge includes the Zone 2 charge.

3.3.6 Total Quantity Charge

The residential and commercial Quantity Charges are calculated by combining the unit costs shown in Table 9 and Table 11. For example, the Tier 1 unit cost from Table 9 (\$8.88 per TGAL) is combined with the Zone 3 Hydraulic Zone Charge (\$1.10) for a total

of \$9.98 for Tier 1 Zone 3. The various components of the Quantity Charges are summarized below in Table 12.

Table 12 also shows that Temporary Meters will be charged \$15.10 per TGAL (which is the Tier 2, Zone 2 Quantity Charge). It is reasonable to charge Temporary Meter customers for the District's more costly source of water (reflected in Tier 2 rates) and for the "middle" elevation zone (Zone 2) since the meters may be installed in various zones and tracking actual locations is not administratively feasible. Temporary Meters are also assessed a fixed Service Charge based on the size of the construction meter.

Table 12: Proposed Quantity Charges

Residential Quantity Charges (\$/TGAL)	
Tier 1*	\$8.88
Tier 2*	\$12.91
Tier 3*	\$18.33
Commercial Quantity Charges (\$/TGAL)	
Winter (Oct. to June)	\$8.88
Summer (July to Sept.)	\$18.33
Hydraulic Zone Charge (\$/TGAL)	
Zone 3	\$1.10
Zone 2	\$2.19
Zone 4	\$6.16
Other Quantity Charges (\$/TGAL)	
Temporary Meter	\$15.10

* See Table 7 for water allocations per tier

3.4 PRIVATE FIRE SERVICE CHARGE

The District provides maintenance services for private fire service valve assemblies, which is a service that is not provided to other customers. Calculating the cost of providing maintenance services for private fire services in the West Marin Water System is challenged by the inherently limited maintenance cost data due to the small size of the service area. A complete analysis for the cost of providing private fire maintenance services was completed as part of the 2020 Novato and Recycled Water Rate Study.

Based on District staff's estimation, the cost of providing private fire service in the West Marin Water System is similar to the cost of providing the same services in the Novato service area. As such, it is recommended that the West Marin Water service area adopted the same fire service charges as assessed by the Novato service area.

3.5 ADOPTION OF PROPOSED RATES

This Study has calculated, and is proposing, a 5-year schedule of water rates (see Schedule 6). All rates are proposed to be effective as of July 1.

The water rates will need to be adopted in accordance with Proposition 218, which will require a detailed notice describing the proposed charges to be mailed to each affected property owner or customer at least 45 days prior to conducting a public hearing to adopt the rates.

Section 4. CONCLUSION

This Study used methodologies that are aligned with industry standard practices for rate setting as promulgated by AWWA and all applicable laws, including California's Proposition 218. The proposed annual adjustments to the rates will allow the District to continue to provide reliable service to customers while meeting operational and infrastructure needs of the service area. The modifications to the rate structure will provide revenue stability, improve the defensibility of the water rates, and continue to equitably and proportionately recover costs from the customers. A complete schedule of rates over the 5-year planning period are summarized in Schedule 6.

It is important to note that this study proposes changes to both the total amount of rate revenue being collected by the West Marin Water enterprise as well as the structure of the rates. As a result, the results of the rate changes will vary among different customers in Year 1 due to the proposed rate structure adjustments. To be clear, some customers' bills will increase by more than rate revenue increase of 6% in Year 1, while other customer's bills will increase by less than that amount. Starting in Year 2 (FY 2022/23), all customers will experience the same uniform percentage change to their bill.

SCHEDULES

Schedule 1 – Budgeted and Projected Cash Inflows

Schedule 2 - Budgeted and Projected Cash Outflows

Schedule 3 - Capital Spending Plan

Schedule 4 - Cash Flow Pro Forma

Schedule 5 – Allocation of Costs to System Functions

Schedule 6 – Schedule of Proposed Rates

Schedule 1 – Budgeted and Projected Cash Inflows

	FY2020/21	FY2021/22	FY2022/23	FY2023/24	FY2024/25	FY2025/26	FY2026/27	FY2027/28	FY2028/29	FY2029/30
1 Growth in Water Accounts		0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
2 Proposed Water Rate Increase		6.0%	6.0%	6.0%	6.0%	6.0%	3.0%	3.0%	3.0%	3.0%
Rate Revenue										
3 Water Rate Revenue	\$983,000	\$983,000	\$1,043,000	\$1,107,000	\$1,174,000	\$1,245,000	\$1,321,000	\$1,362,000	\$1,404,000	\$1,448,000
4 Increase due to growth	0	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2,000	2,000
5 Increase due to new rate adjustments	0	59,000	63,000	66,000	70,000	75,000	40,000	41,000	42,000	43,000
6 Total Rate Revenue	\$983,000	\$1,043,000	\$1,107,000	\$1,174,000	\$1,245,000	\$1,321,000	\$1,362,000	\$1,404,000	\$1,448,000	\$1,493,000
Other Revenue:										
7 Account Turn-on Charges	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
8 New Account Charges	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
10 Backflow Service Charges	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000
11 Interest Earnings	11,000	10,000	6,000	7,000	7,000	5,000	7,000	9,000	11,000	13,000
14 Tax Proceeds - PR-2 Tax Allocation	\$57,000	\$59,000	\$60,000	\$62,000	\$64,000	\$66,000	\$68,000	\$70,000	\$72,000	\$74,000
16 Connection Fees	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000
16 Transfer In (Workers Comp Fund)	\$0	\$16,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19 Total Other Revenue	\$86,000	\$103,000	\$84,000	\$87,000	\$89,000	\$90,000	\$94,000	\$98,000	\$102,000	\$106,000
20 TOTAL REVENUE	\$1,069,000	\$1,146,000	\$1,191,000	\$1,261,000	\$1,334,000	\$1,411,000	\$1,456,000	\$1,502,000	\$1,550,000	\$1,599,000

Schedule 2 - Budgeted and Projected Cash Outflows (1 of 2)

	Actual FY2019/20	Budget FY2020/21	Forecast FY2021/22	Forecast FY2022/23	Forecast FY2023/24	Forecast FY2024/25	Forecast FY2025/26	Forecast FY2026/27	Forecast FY2027/28	Forecast FY2028/29	Forecast FY2029/30	Forecast FY2030/31
SOURCE OF SUPPLY												
1 Supervision & Engineering	\$2,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2 Operating Expense	\$1,500	\$7,000	\$7,200	\$7,400	\$7,600	\$7,900	\$8,100	\$8,400	\$8,600	\$8,900	\$9,100	\$9,400
3 Maint of Structures	\$18,100	\$15,000	\$15,500	\$15,900	\$16,400	\$16,900	\$17,400	\$17,900	\$18,400	\$19,000	\$19,600	\$20,200
4 Water Quality Surveillance	\$0	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,300
5 Purchased Water - MMWD	\$200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6 GASB68 Adjustment	\$500	\$1,000	\$1,000	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$1,200	\$1,300	\$1,300	\$1,300
7 West Marin Water Master Plan (every 10	\$0	\$0	\$0	\$35,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PUMPING												
8 Maint of Structures and Grounds	9,000	10,000	10,300	10,600	10,900	11,300	11,600	11,900	12,300	12,700	13,000	13,400
9 Maint of Pumping Equip	37,300	23,000	23,700	24,400	25,100	25,900	26,700	27,500	28,300	29,100	30,000	30,900
10 Electric Power	40,000	28,000	28,800	29,700	30,600	31,500	32,500	33,400	34,400	35,500	36,500	37,600
11 GASB68 Adjustment (Pension)	5,300	2,000	2,100	2,100	2,200	2,300	2,300	2,400	2,500	2,500	2,600	2,700
12 GASB75 Adjustment (OPEB)	400	0	0	0	0	0	0	0	0	0	0	0
OPERATIONS												
13 Supervision & Engineering	13,900	15,000	15,500	15,900	16,400	16,900	17,400	17,900	18,400	19,000	19,600	20,200
14 Operating Expense	17,700	18,000	18,500	19,100	19,700	20,300	20,900	21,500	22,100	22,800	23,500	24,200
15 Maintenance Expense	1,100	0	0	0	0	0	0	0	0	0	0	0
16 Maint of Telemetry Equipment	16,300	15,000	15,500	15,900	16,400	16,900	17,400	17,900	18,400	19,000	19,600	20,200
17 Leased Lines	4,100	5,000	5,200	5,300	5,500	5,600	5,800	6,000	6,100	6,300	6,500	6,700
18 GASB68 Adjustment (Pension)	6,500	8,000	8,200	8,500	8,700	9,000	9,300	9,600	9,800	10,100	10,400	10,800
19 GASB75 Adjustment (OPEB)	500	0	0	0	0	0	0	0	0	0	0	0
WATER TREATMENT												
20 Supervision & Engineering	14,100	11,000	11,300	11,700	12,000	12,400	12,800	13,100	13,500	13,900	14,400	14,800
21 Operating Expense	22,900	25,000	25,800	26,500	27,300	28,100	29,000	29,900	30,700	31,700	32,600	33,600
22 Purification Chemicals	3,300	5,000	5,200	5,300	5,500	5,600	5,800	6,000	6,100	6,300	6,500	6,700
23 Maint of Structures & Grounds	700	1,000	1,000	1,100	1,100	1,100	1,200	1,200	1,200	1,300	1,300	1,300
24 Maint of Purification Equipment	7,600	10,000	10,300	10,600	10,900	11,300	11,600	11,900	12,300	12,700	13,000	13,400
25 Electric Power	19,800	24,000	24,700	25,500	26,200	27,000	27,800	28,700	29,500	30,400	31,300	32,300
26 Laboratory Direct Labor	42,300	36,000	37,100	38,200	39,300	40,500	41,700	43,000	44,300	45,600	47,000	48,400
27 Laboratory Services	5,700	7,000	7,200	7,400	7,600	7,900	8,100	8,400	8,600	8,900	9,100	9,400
28 Water Quality Supervision	3,100	4,000	4,100	4,200	4,400	4,500	4,600	4,800	4,900	5,100	5,200	5,400
29 Customer Water Quality	2,600	5,000	5,200	5,300	5,500	5,600	5,800	6,000	6,100	6,300	6,500	6,700
30 Lab Expense Distributed from Novato	23,000	21,000	21,600	22,300	22,900	23,600	24,300	25,100	25,800	26,600	27,400	28,200
31 GASB68 Adjustment (Pension)	15,000	21,000	21,600	22,300	22,900	23,600	24,300	25,100	25,800	26,600	27,400	28,200
32 GASB75 Adjustment (OPEB)	1,200	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION & DISTRIBUTION												
33 Supervision & Engineering	5,900	8,000	8,200	8,500	8,700	9,000	9,300	9,600	9,800	10,100	10,400	10,800
34 Maps & Records	0	5,000	5,200	5,300	5,500	5,600	5,800	6,000	6,100	6,300	6,500	6,700
35 Facilities Location - USA	11,600	12,000	12,400	12,700	13,100	13,500	13,900	14,300	14,800	15,200	15,700	16,100
36 Customer Service Expense	9,000	5,000	5,200	5,300	5,500	5,600	5,800	6,000	6,100	6,300	6,500	6,700
37 Flushing	7,100	0	0	0	0	0	0	0	0	0	0	0
38 Storage Facilities Expense	19,900	20,000	20,600	21,200	21,900	22,500	23,200	23,900	24,600	25,300	26,100	26,900
39 Cathodic Protection	0	2,000	2,100	2,100	2,200	2,300	2,300	2,400	2,500	2,500	2,600	2,700
40 Maint of Valves	700	2,000	2,100	2,100	2,200	2,300	2,300	2,400	2,500	2,500	2,600	2,700
41 Valve Operation Program	0	5,000	5,200	5,300	5,500	5,600	5,800	6,000	6,100	6,300	6,500	6,700
42 Maint of Mains	11,900	8,000	8,200	8,500	8,700	9,000	9,300	9,600	9,800	10,100	10,400	10,800
43 Water Quality Maintenance	0	2,000	2,100	2,100	2,200	2,300	2,300	2,400	2,500	2,500	2,600	2,700
44 Maint of Backflow Devices	0	1,000	1,000	1,100	1,100	1,100	1,200	1,200	1,200	1,300	1,300	1,300
45 Backflow Dev Inspection/Survey	1,100	6,000	6,200	6,400	6,600	6,800	7,000	7,200	7,400	7,600	7,800	8,100
46 Maint of Copper Services	900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800	3,900	4,000
47 Maint of PB Service Lines	19,800	29,000	29,900	30,800	31,700	32,600	33,600	34,600	35,700	36,700	37,800	39,000
48 Maint of Meters	1,600	2,000	2,100	2,100	2,200	2,300	2,300	2,400	2,500	2,500	2,600	2,700
49 Detector Check Assembly Maint	1,200	1,000	1,000	1,100	1,100	1,100	1,200	1,200	1,200	1,300	1,300	1,300
50 Maint of Hydrants	0	1,000	1,000	1,100	1,100	1,100	1,200	1,200	1,200	1,300	1,300	1,300
51 Hydrant Operation	0	6,000	6,200	6,400	6,600	6,800	7,000	7,200	7,400	7,600	7,800	8,100
52 Single Service Installation	(6,300)	6,000	6,200	6,400	6,600	6,800	7,000	7,200	7,400	7,600	7,800	8,100
53 GASB68 Adjustment (Pension)	12,600	18,000	18,500	19,100	19,700	20,300	20,900	21,500	22,100	22,800	23,500	24,200
54 GASB75 Adjustment (OPEB)	1,000	0	0	0	0	0	0	0	0	0	0	0

Schedule 2 - Budgeted and Projected Cash Outflows (2 of 2)

	Actual FY2019/20	Budget FY2020/21	Forecast FY2021/22	Forecast FY2022/23	Forecast FY2023/24	Forecast FY2024/25	Forecast FY2025/26	Forecast FY2026/27	Forecast FY2027/28	Forecast FY2028/29	Forecast FY2029/30	Forecast FY2030/31
CONSUMER ACCOUNTING												
55 Meter Reading	8,100	8,000	8,200	8,500	8,700	9,000	9,300	9,600	9,800	10,100	10,400	10,800
56 Collection Expense - Labor	0	1,000	1,000	1,100	1,100	1,100	1,200	1,200	1,200	1,300	1,300	1,300
57 Distributed from Novato (3.6%)	14,800	13,000	13,400	13,800	14,200	14,600	15,100	15,500	16,000	16,500	17,000	17,500
58 GASB68 Adjustment (Pension)	1,400	0	0	0	0	0	0	0	0	0	0	0
59 GASB75 Adjustment (OPEB)	100	0	0	0	0	0	0	0	0	0	0	0
WATER CONSERVATION												
60 Water Conservation Program	13,500	9,000	9,300	9,500	9,800	10,100	10,400	10,700	11,100	11,400	11,700	12,100
61 GASB68 Adjustment (Pension)	1,600	0	0	0	0	0	0	0	0	0	0	0
62 GASB75 Adjustment (OPEB)	100	0	0	0	0	0	0	0	0	0	0	0
GENERAL AND ADMINISTRATIVE												
63 Legal Fees	1,700	0	0	0	0	0	0	0	0	0	0	0
64 Consulting Services/Studies	200	35,000	36,100	37,100	38,200	39,400	40,600	41,800	43,000	44,300	45,700	47,000
65 Distributed from Novato (3.6%)	57,200	62,000	63,900	65,800	67,700	69,800	71,900	74,000	76,300	78,500	80,900	83,300
66 GASB68 Adjustment (Pension)	58,200	2,000	2,100	2,100	2,200	2,300	2,300	2,400	2,500	2,500	2,600	2,700
DEBT SERVICE												
67 Existing Debt Service	71,000	71,000	71,000	71,000	71,000	71,000	71,000	71,000	71,000	71,000	71,000	71,000
68 New Internal Loan Repayments	0	0	163,000	163,000	163,000	163,000	163,000	163,000	163,000	163,000	163,000	163,000
69 New Debt Service	-	-	-	-	-	-	-	-	-	-	-	384,000
69 Total Operating & Debt Expenses	\$662,000	\$661,000	\$842,000	\$895,000	\$879,000	\$898,000	\$919,000	\$939,000	\$959,000	\$981,000	\$1,003,000	\$1,411,000

Schedule 3 - Capital Spending Plan (in current dollars)

	Actual	Budget	Forecast	Forecast	Forecast	Forecast	Forecast
	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
1 Replace PRE Tank #4A (25K gal w/125K gal)	\$343,309	\$1,057,000	\$0	\$0	\$0	\$0	\$0
2 New Gallagher Well #2	\$73,895	\$335,000	\$506,105	\$0	\$0	\$0	\$0
3 PB Replace in Sync w/ County Paving	\$47,256	\$0	\$50,000	\$0	\$51,500	\$0	\$51,500
4 Gallagher Ranch Streambank Stabilization (Note 3)	\$386,826	\$335,000	\$0	\$0	\$0	\$0	\$0
5 PRE Tank #1 & #2 Replacement	\$0	\$0	\$0	\$0	\$0	\$618,000	\$0
6 Lagunitas Creek Bridge Pipe Replacement (Caltrans)	\$13,615	\$137,000	\$400,000	\$51,500	\$0	\$0	\$0
7 PB Replacement-Drakes View Dr	\$66,264	\$0	\$0	\$0	\$0	\$0	\$0
8 PS/Tank Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$448,500
9 Olema Creek Bridge Pipe Replacement (County)	\$703	\$0	\$0	\$0	\$255,000	\$0	\$0
10 Olema PS Wireless to Tank	\$8,468	\$0	\$0	\$0	\$0	\$0	\$0
11 PB Replacement-SR 1 Pt Reyes Replacement	\$75,876	\$0	\$0	\$0	\$0	\$0	\$0
12 Olema Pump Station Pump Improvements	\$7,270	\$0	\$0	\$0	\$0	\$0	\$0
13 Miscellaneous Water System Improvements	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0
Capital Spending Totals:	\$1,023,482	\$1,864,000	\$956,105	\$251,500	\$306,500	\$618,000	\$500,000

Schedule 4 – Cash Flow Proforma

	Actual FY 2020	Budget FY 2021	Forecast FY2022	Forecast FY2023	Forecast FY2024	Forecast FY2025	Forecast FY2026	Forecast FY2027	Forecast FY2028	Forecast FY2029	Forecast FY2030	Forecast FY2031	Forecast FY2032	
1	Water Rate Revenue Increase:		6.00%	6.00%	6.00%	6.00%	6.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	
Rate Revenue														
2	Water Rate Revenue	\$983,000	\$983,000	\$983,000	\$1,043,000	\$1,107,000	\$1,174,000	\$1,245,000	\$1,321,000	\$1,362,000	\$1,404,000	\$1,448,000	\$1,493,000	\$1,540,000
3	Change due to growth & use			\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$2,000	\$2,000	\$2,000	\$2,000
4	Increase due to rate adjustments			\$59,000	\$63,000	\$66,000	\$70,000	\$75,000	\$40,000	\$41,000	\$42,000	\$43,000	\$45,000	\$46,000
Non-Rate Revenues														
5	Taxes	\$55,948	\$57,000	\$59,000	\$60,000	\$62,000	\$64,000	\$66,000	\$68,000	\$70,000	\$72,000	\$74,000	\$77,000	\$79,000
6	Interest Earnings	\$72,324	\$11,000	\$10,000	\$6,000	\$7,000	\$7,000	\$5,000	\$7,000	\$9,000	\$11,000	\$13,000	\$15,000	\$15,000
7	Connection Fees	\$0	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000
8	Operating Revenue	\$12,356	\$7,000	\$7,000	\$7,000	\$7,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$9,000	\$9,000
9	Total Revenue	\$1,123,629	\$1,069,000	\$1,130,000	\$1,191,000	\$1,261,000	\$1,335,000	\$1,411,000	\$1,456,000	\$1,502,000	\$1,550,000	\$1,599,000	\$1,652,000	\$1,702,000
O&M Costs														
10	Source of Supply	\$22,935	\$24,000	\$25,000	\$60,000	\$26,000	\$27,000	\$28,000	\$29,000	\$30,000	\$30,000	\$31,000	\$32,000	\$33,000
11	Pumping	\$91,995	\$63,000	\$65,000	\$67,000	\$69,000	\$71,000	\$73,000	\$75,000	\$77,000	\$80,000	\$82,000	\$85,000	\$87,000
12	Other Operations	\$60,044	\$61,000	\$63,000	\$65,000	\$67,000	\$69,000	\$71,000	\$73,000	\$75,000	\$77,000	\$80,000	\$82,000	\$84,000
13	Water Treatment	\$161,169	\$170,000	\$175,000	\$180,000	\$186,000	\$191,000	\$197,000	\$203,000	\$209,000	\$215,000	\$222,000	\$228,000	\$235,000
14	Transmission & Distribution	\$97,879	\$142,000	\$146,000	\$151,000	\$155,000	\$160,000	\$165,000	\$170,000	\$175,000	\$180,000	\$185,000	\$191,000	\$197,000
15	Consumer Accounting	\$24,374	\$22,000	\$23,000	\$23,000	\$24,000	\$25,000	\$26,000	\$26,000	\$27,000	\$28,000	\$29,000	\$30,000	\$30,000
16	Water Conservation	\$15,246	\$9,000	\$9,000	\$10,000	\$10,000	\$10,000	\$10,000	\$11,000	\$11,000	\$11,000	\$12,000	\$12,000	\$12,000
17	General Administration	\$117,324	\$99,000	\$102,000	\$105,000	\$108,000	\$111,000	\$115,000	\$118,000	\$122,000	\$125,000	\$129,000	\$133,000	\$137,000
18	Total Operating Expenses	\$590,968	\$590,000	\$608,000	\$661,000	\$645,000	\$664,000	\$685,000	\$705,000	\$726,000	\$746,000	\$770,000	\$793,000	\$815,000
Capital Costs														
19	Total Capital Spending	\$1,023,482	\$1,864,000	\$956,000	\$259,000	\$357,000	\$675,000	\$281,000	\$290,000	\$299,000	\$307,000	\$5,130,000	\$326,000	\$336,000
20	Debt Funded Capital	\$0	\$1,357,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	SRF	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,814,000	\$0	\$0
22	Cash Funded Capital Projects	\$947,482	\$172,000	\$756,000	\$259,000	\$357,000	\$675,000	\$281,000	\$290,000	\$299,000	\$307,000	\$317,000	\$326,000	\$336,000
23	Grant Funded Capital Projects	\$76,000	\$335,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Existing Debt Service	\$71,000	\$71,000	\$71,000	\$71,000	\$71,000	\$71,000	\$71,000	\$71,000	\$71,000	\$71,000	\$71,000	\$71,000	\$30,000
25	Internal Loan	\$0	\$0	\$163,000	\$163,000	\$163,000	\$163,000	\$163,000	\$163,000	\$163,000	\$163,000	\$163,000	\$163,000	\$0
26	New Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$384,000	\$384,000
27	Total Capital Expenses	\$1,018,482	\$243,000	\$990,000	\$493,000	\$591,000	\$909,000	\$515,000	\$524,000	\$533,000	\$541,000	\$551,000	\$944,000	\$750,000
Transfer In - Workers Comp Fund			\$16,000											
28	Total Revenue Requirement	\$1,609,450	\$833,000	\$1,614,000	\$1,154,000	\$1,236,000	\$1,573,000	\$1,200,000	\$1,229,000	\$1,259,000	\$1,287,000	\$1,321,000	\$1,737,000	\$1,565,000
29	Beginning Year Balance	\$1,438,886	\$953,065	\$1,189,000	\$705,000	\$742,000	\$767,000	\$529,000	\$740,000	\$967,000	\$1,210,000	\$1,473,000	\$1,751,000	\$1,666,000
30	Surplus/(Shortfall)	(\$485,821)	\$236,000	(\$484,000)	\$37,000	\$25,000	(\$238,000)	\$211,000	\$227,000	\$243,000	\$263,000	\$278,000	(\$85,000)	\$137,000
31	End of Year Balance	\$953,065	\$1,189,065	\$705,000	\$742,000	\$767,000	\$529,000	\$740,000	\$967,000	\$1,210,000	\$1,473,000	\$1,666,000	\$1,666,000	\$1,803,000
32	Minimum Reserve Target	\$298,355	\$298,355	\$301,552	\$319,218	\$313,885	\$320,218	\$327,218	\$333,885	\$340,885	\$347,552	\$355,552	\$363,218	\$370,552
33	Total Reserve Target		\$680,674	\$680,674	\$721,430	\$728,163	\$746,924	\$766,726	\$786,577	\$807,158	\$827,813	\$850,221	\$872,728	\$880,061
34	Debt Coverage Ratio	7.50	6.75	5.06	5.17	6.38	7.15	7.93	8.28	8.63	9.03	9.38	1.53	2.14

Schedule 5 – Allocation of Costs to System Functions (1 of 2)

		Percent Allocation to System Functions					Cost Allocation to System Functions				
		Customer	Water	Baseline Water	Marginal Water		Customer	Water	Baseline Water	Marginal Water	
Budget Line Items		Service	Distribution	Supply ¹	Supply ²	Conservation	Service	Distribution	Supply ¹	Supply ²	Conservation
SOURCE OF SUPPLY											
1	Operating Expense	\$7,200		72.0%	18.0%	10.0%			\$5,184	\$1,296	\$720
2	Maint of Structures	\$15,500		72.0%	18.0%	10.0%			\$11,160	\$2,790	\$1,550
3	Water Quality Surveillance	\$1,000		72.0%	18.0%	10.0%			\$720	\$180	\$100
4	GASB68 Adjustment	\$1,000		72.0%	18.0%	10.0%			\$720	\$180	\$100
PUMPING											
5	Maint of Structures and Grounds	\$10,300	100%					\$10,300			
6	Maint of Pumping Equip	\$23,700	100%					\$23,700			
7	Electric Power	\$28,800	100%					\$28,800			
8	GASB68 Adjustment (Pension)	\$2,100	100%					\$2,100			
OPERATIONS											
9	Supervision & Engineering	\$15,500	39.6%	48.3%	12.1%			\$6,138	\$7,490	\$1,872	
10	Operating Expense	\$18,500	39.6%	48.3%	12.1%			\$7,326	\$8,939	\$2,235	
11	Maint of Telemetry Equipment	\$15,500	39.6%	48.3%	12.1%			\$6,138	\$7,490	\$1,872	
12	Leased Lines	\$5,200	39.6%	48.3%	12.1%			\$2,059	\$2,513	\$628	
13	GASB68 Adjustment (Pension)	\$8,200	39.6%	48.3%	12.1%			\$3,247	\$3,962	\$991	
WATER TREATMENT											
14	Supervision & Engineering	\$11,300		72.0%	18.0%	10.0%			\$8,136	\$2,034	\$1,130
15	Operating Expense	\$25,800		72.0%	18.0%	10.0%			\$18,576	\$4,644	\$2,580
16	Purification Chemicals	\$5,200		72.0%	18.0%	10.0%			\$3,744	\$936	\$520
17	Maint of Structures & Grounds	\$1,000		72.0%	18.0%	10.0%			\$720	\$180	\$100
18	Maint of Purification Equipment	\$10,300		72.0%	18.0%	10.0%			\$7,416	\$1,854	\$1,030
19	Electric Power	\$24,700		72.0%	18.0%	10.0%			\$17,784	\$4,446	\$2,470
20	Laboratory Direct Labor	\$37,100		72.0%	18.0%	10.0%			\$26,712	\$6,678	\$3,710
21	Laboratory Services	\$7,200		72.0%	18.0%	10.0%			\$5,184	\$1,296	\$720
22	Water Quality Supervision	\$4,100		72.0%	18.0%	10.0%			\$2,952	\$738	\$410
23	Customer Water Quality	\$5,200		72.0%	18.0%	10.0%			\$3,744	\$936	\$520
24	Lab Expense Distributed from Novato	\$21,600		72.0%	18.0%	10.0%			\$15,552	\$3,888	\$2,160
25	GASB68 Adjustment (Pension)	\$21,600		72.0%	18.0%	10.0%			\$15,552	\$3,888	\$2,160

¹ Water supply associated with the Coast Guard wells, Gallagher Well #1 and half of Gallagher Well #2

² Water supply associated with the other half of Gallagher Well #2

Schedule 5 – Allocation of Costs to System Functions (2 of 2)

	Percent Allocation to System Functions						Cost Allocation to System Functions				
		Customer	Water	Baseline Water	Marginal Water		Customer	Water	Baseline Water	Marginal Water	
	Budget Line Items	Service	Distribution	Supply1	Supply2	Conservation	Service	Distribution	Supply ¹	Supply ²	Conservation
	TRANSMISSION & DISTRIBUTION										
26	Supervision & Engineering		100%					\$8,200			
27	Maps & Records		100%					\$5,200			
28	Facilities Location - USA		100%					\$12,400			
29	Customer Service Expense		100%					\$5,200			
30	Storage Facilities Expense		100%					\$20,600			
31	Cathodic Protection		100%					\$2,100			
32	Miscellaneous Maintenance		100%					\$47,400			
33	Valve Operation Program		100%					\$5,200			
34	Water Quality Maintenance		100%					\$2,100			
35	Backflow Dev Inspection/Survey		100%					\$6,200			
36	Detector Check Assembly Maint		100%					\$1,000			
37	Hydrant Operation		100%					\$6,200			
38	Single Service Installation		100%					\$6,200			
39	GASB68 Adjustment (Pension)		100%					\$18,500			
	CONSUMER ACCOUNTING										
40	Meter Reading						\$8,200				
41	Collection Expense - Labor						\$1,000				
42	Distributed from Novato (3.6%)						\$13,400				
	WATER CONSERVATION										
43	Water Conservation Program					100%					\$9,300
44	Total Operating Costs						\$22,600	\$236,308	\$174,249	\$43,562	\$29,280
45							4.7%	49.6%	36.6%	9.1%	
	GENERAL AND ADMINISTRATIVE										
46	Consulting Services/Studies	4.7%	49.6%	36.6%	9.1%		\$1,711	\$17,895	\$13,195	\$3,299	
47	Distributed from Novato (3.6%)	4.7%	49.6%	36.6%	9.1%		\$3,029	\$31,675	\$23,357	\$5,839	
48	Transfer In - Workers Comp Fund	4.7%	49.6%	36.6%	9.1%		\$759	\$7,931	\$5,848	\$1,462	
49	Total O&M Budget						\$28,099	\$293,809	\$216,649	\$54,162	\$29,280
	NON-OPERATING CATEGORIES										
50	Debt Service		30.0%	51.1%	18.9%			\$70,200	\$119,464	\$44,336	
51	Capital Spending		30.0%	51.1%	18.9%			\$226,800	\$385,960	\$143,240	
52	Change in Fund Balance & Transfers	4.7%	49.6%	36.6%	9.1%		(\$22,945)	(\$239,917)	(\$176,910)	(\$44,228)	
53	Non-Rate Revenue		100.0%					(\$87,000)			
54	Temporary Meters		100.0%					(\$13,500)			
55	Hydraulic Zone Charge			80.0%	20.0%				(\$72,500)	(\$18,100)	
56	Outside Surcharge		100.0%					(\$19,600)			
57	Private Fire Service Charge		100.0%					(\$2,400)			
58	Totals:					Totals (rounded):	\$5,200	\$228,400	\$472,700	\$179,400	\$29,300

¹ Water supply associated with the Coast Guard wells, Gallagher Well #1 and half of Gallagher Well #2

² Water supply associated with the other half of Gallagher Well #2

Schedule 6 – Proposed Rates for FY 2021/22 through FY 2025/26

	Effective Date				
	July 1, 2021	July 1, 2022	July 1, 2023	July 1, 2024	July 1, 2025
Residential Quantity Charges (\$/TGAL)					
Tier 1 ¹	\$8.88	\$9.41	\$9.97	\$10.57	\$11.20
Tier 2 ²	\$12.91	\$13.68	\$14.50	\$15.37	\$16.29
Tier 3	\$18.33	\$19.43	\$20.60	\$21.84	\$23.15
Commercial Quantity Charges (\$/TGAL)					
Winter (Oct. to June)	\$8.88	\$9.41	\$9.97	\$10.57	\$11.20
Summer (July to Sept.)	\$18.33	\$19.43	\$20.60	\$21.84	\$23.15
Hydraulic Zone Charge (\$/TGAL)					
Zone 3	\$1.10	\$1.17	\$1.24	\$1.31	\$1.39
Zone 2	\$2.19	\$2.32	\$2.46	\$2.61	\$2.77
Zone 4	\$6.16	\$6.53	\$6.92	\$7.34	\$7.78
Other Quantity Charges (\$/TGAL)					
Temporary Meter	\$15.10	\$16.01	\$16.97	\$17.99	\$19.07
Service Charges (bi-monthly fixed charge based on meter size)					
5/8"	\$42.59	\$45.15	\$47.86	\$50.73	\$53.77
1" Fire ³	\$42.59	\$45.15	\$47.86	\$50.73	\$53.77
PRE 5/8" & 1"	\$42.59	\$45.15	\$47.86	\$50.73	\$53.77
1"	\$107.60	\$114.05	\$120.89	\$128.14	\$135.83
1 1/2"	\$214.07	\$226.91	\$240.52	\$254.95	\$270.25
2"	\$341.84	\$362.35	\$384.09	\$407.14	\$431.57
3"	\$682.56	\$723.51	\$766.92	\$812.94	\$861.72
4"	\$1,065.87	\$1,129.82	\$1,197.61	\$1,269.47	\$1,345.64

¹ Allocation is 250 gpd per dwelling unit

² Allocation is 350 gpd per dwelling unit

³ Only for 1" residential meters that are upsized due to fire code requirements

Water Rate Study Workshop West Marin Water Service Area Rate Study

North Marin Water District

March 16, 2021



1

AGENDA

1. Rate Studies Overview & Scope
2. Financial plan
3. Rate design topics
 - Tiered Rates
 - Meter Equivalency
 - Hydraulic Zone Charge
 - Outside Customer Surcharge
 - Private Fire Charge
4. Proposed Rates and Bill Impacts
5. Project Schedule

The Rate Setting Process

Revenue Requirements

Compares the revenues of the utility to its expenses to determine the overall level of rate adjustment

Cost-of-Service

Equitably allocates the revenue requirements between the various customer classes of service

Rate Design

Design rates for each class of service to meet the revenue needs of the utility, along with any other rate design goals and objectives

3

Rate Study Objective

- Establish a secure, multi-year financial plan that supports operating costs and capital spending necessary to provide water services that are reliable, high-quality, environmentally responsible and reasonably priced.
- Develop a rate structure that:
 - ✓Complies with the requirements of Proposition 218
 - ✓Is consistent with the historical rate structure

Reserves

The following are the reserve categories that are consistent with the reserve policies for the Novato service area.

Minimum Reserves:

These reserves should always *plan* to be fully funded:

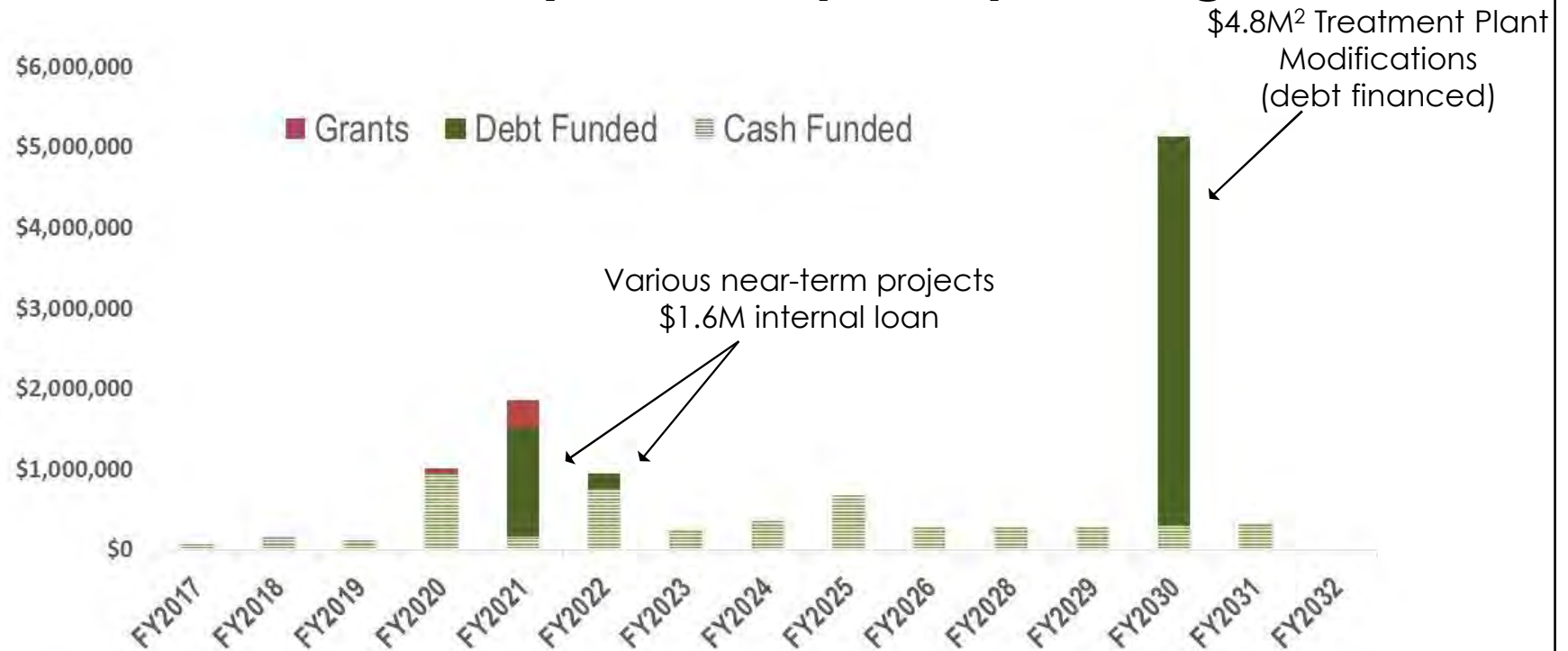
Operating Reserve: 4 months of O&M budget (\$200 thousand)
Liability Contingency Reserve (currently \$98K)

Target Reserves:

This reserve is designed to occasionally be drawn down:

Maintenance Accrual Fund: Equal to the average long-term annual capital spending (\$380K).

West Marin Water System Capital Spending



Average capital spending from 2017 - 2019: \$126 thousand
 Average capital spending from 2019 – 2026: \$773 thousand

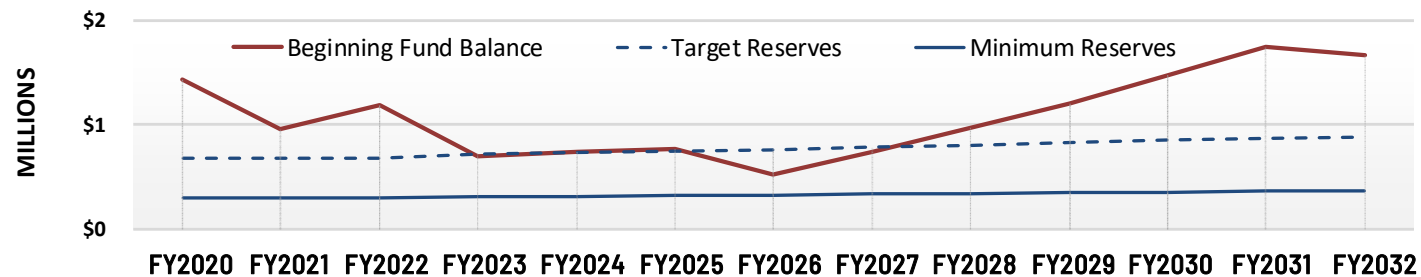
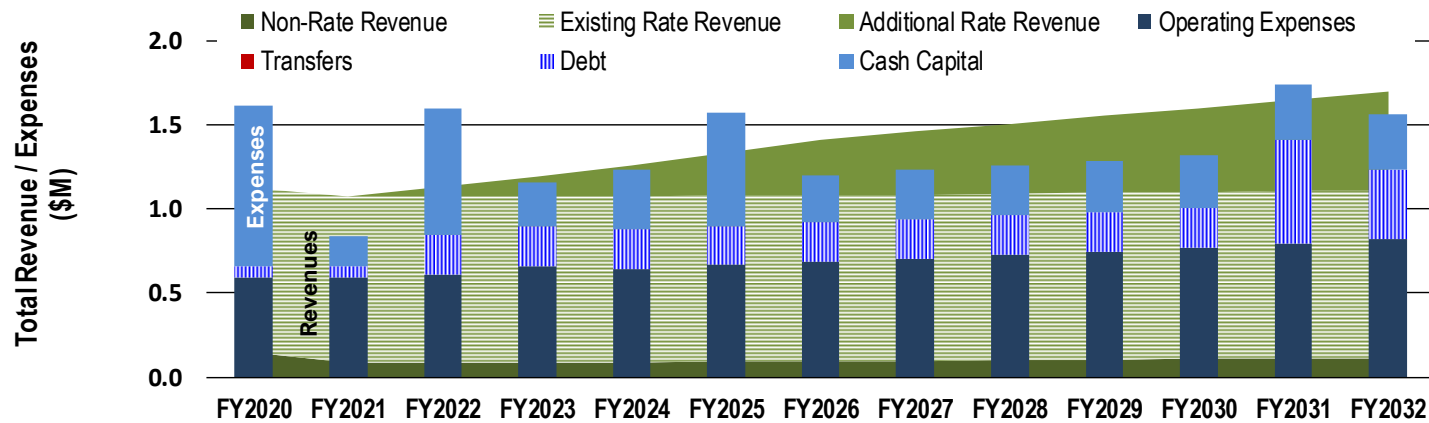
² The Treatment Plant project is estimated to cost \$3.8M in current dollars, which will be approximately \$4.8M after inflation

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Detailed List of Near-Term West Marin Water System Capital Spending

	Actual FY 2020	Budget FY 2021	Forecast FY 2022	Forecast FY 2023	Forecast FY 2024	Forecast FY 2025	Forecast FY 2026
Replace PRE Tank #4A (25K gal w/125K gal)	\$343,309	\$1,057,000	\$0	\$0	\$0	\$0	\$0
New Gallagher Well #2	\$73,895	\$335,000	\$506,105	\$0	\$0	\$0	\$0
PB Replace in Sync w/ County Paving	\$47,256	\$0	\$50,000	\$0	\$51,500	\$0	\$51,500
Gallagher Ranch Streambank Stabilization (Note 3)	\$386,826	\$335,000	\$0	\$0	\$0	\$0	\$0
PRE Tank #1 & #2 Replacement	\$0	\$0	\$0	\$0	\$0	\$618,000	\$0
Lagunitas Creek Bridge Pipe Replacement (Caltrans)	\$13,615	\$137,000	\$400,000	\$51,500	\$0	\$0	\$0
PB Replacement-Drakes View Dr	\$66,264	\$0	\$0	\$0	\$0	\$0	\$0
PS/Tank Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$448,500
Olema Creek Bridge Pipe Replacement (County)	\$703	\$0	\$0	\$0	\$255,000	\$0	\$0
Olema PS Wireless to Tank	\$8,468	\$0	\$0	\$0	\$0	\$0	\$0
PB Replacement-SR 1 Pt Reyes Replacement	\$75,876	\$0	\$0	\$0	\$0	\$0	\$0
Olema Pump Station Pump Improvements	\$7,270	\$0	\$0	\$0	\$0	\$0	\$0
Miscellaneous Water System Improvements	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0
Capital Spending Totals:	\$1,023,482	\$1,864,000	\$956,105	\$251,500	\$306,500	\$618,000	\$500,000

West Marin Enterprise Financial Forecast



Proposed Revenue Increases:	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
Debt Coverage Ratio:	7.5	6.75	5.06	5.17	6.38	7.15	7.93	8.28	8.63	9.03	9.38	1.53	2.14
Net Debt Proceeds:	\$0.0M	\$1.4M	\$0.2M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$4.8M	\$0.0M	\$0.0M

Rate increase drivers:

Increased capital spending

- Near-term projects driven by
 - Fire protection (Tank #4 in PRE)
 - Water quality improvements (Gallagher Well #2)
 - Pipeline encroachment relocation obligations (Caltrans and Marin County bridges),
- Significant treatment plant modification project in the long-term

Inflation

- Half of the proposed rate increases are simply the rising cost of doing business

Cost of Service and Rate Design

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Existing Rates

- ☐ Fixed Service Charge by Meter size
 - ✓ Special service charge for Paradise Ranch Estate

- ☐ "Quantity" Charge:
 - ✓ 3 Tiers for Residential
 - ✓ Seasonal rates for Commercial (Non-Residential)
 - ✓ Hydraulic Zone Charge
 - ✓ Drought Surcharge*

- ☐ Other Charges
 - ✓ Private Fire Service
 - ✓ Temporary (hydrant) Meters
 - ✓ Outside Customer Charge*
 - ✓ Backflow Prevention *

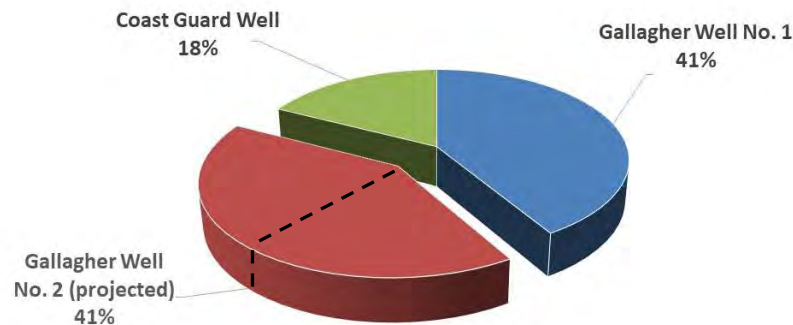
* Not part of the current study

11

Structuring tiered usage rates based on historical water sources vs. the Gallagher well water supply

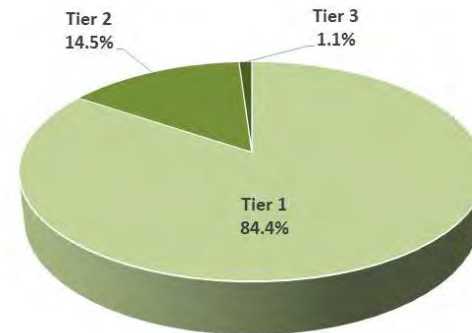
- ✓ Tier 2 and 3 rates will be justified based on a *portion* of the cost of adding the new Gallagher well (No. 2) to supplement the water supply
- ✓ Tier allocation will be based on the availability of water from the water supply sources.

Water Volume by Source



Half of the costs associated with Gallagher Well #2 will be collected through Tier 2 and Tier 3 rates

Current Volume Sold by Tier



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Tier Allocations

Residential Tier Allocation (gal/day)

Current

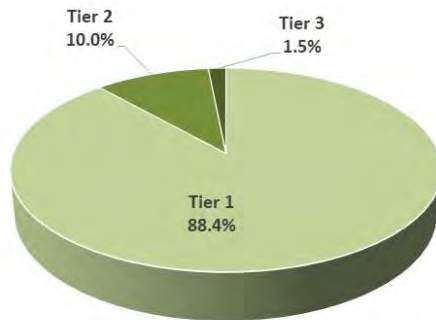
Tier 1: 0 to 400
Tier 2: 400 to 900
Tier 3: Above 900

Proposed:

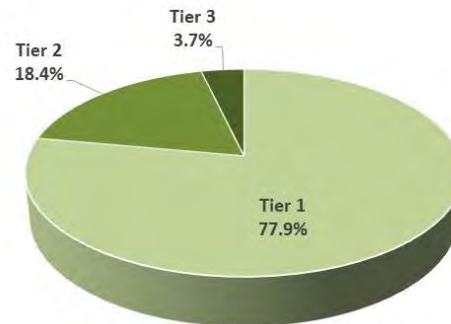
Tier 1: 0 to 250
Tier 2: 250 to 600
Tier 3: Above 600

Residential Volume Sold by Tier

Current



Proposed



Commercial Tier Allocation (gal/day)

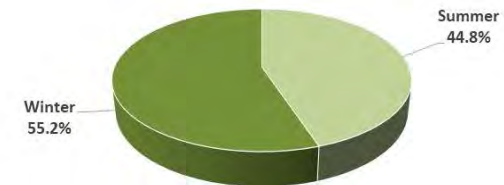
Current:

Summer Rates: June to October (5 months)
Winter Rates: Nov. to May (7 months)

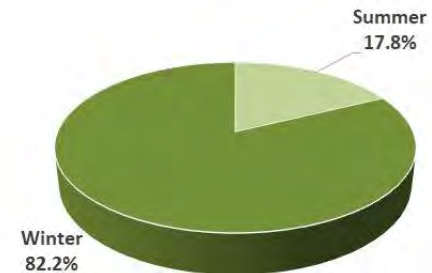
Proposed:

Summer Rates: July to September (3 months)
Winter Rates: October to June (9 months)

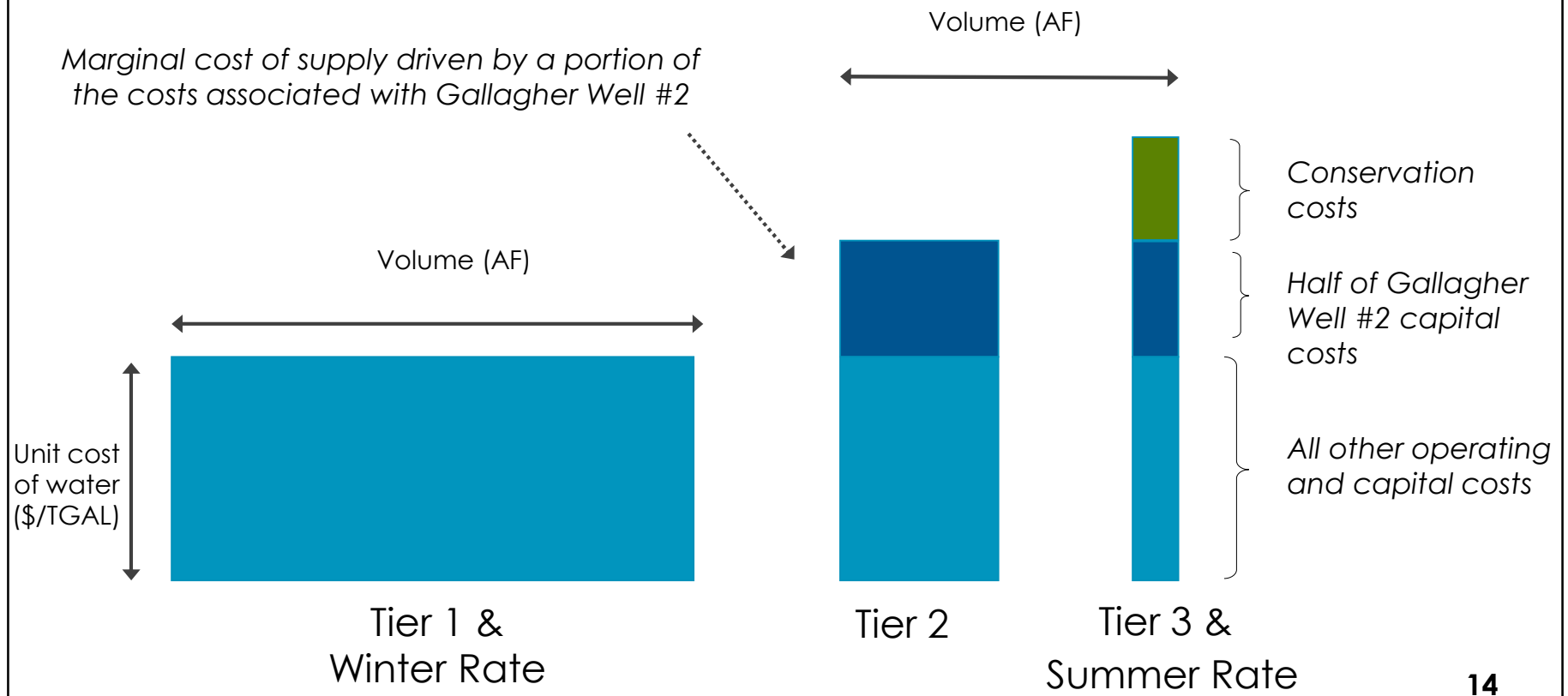
Commercial Current Volume Sold by Tier



Commercial Proposed Volume by Tier



Proposed Basis for Tiered Water Rates



Proposed Meter Equivalency Schedule

- Basis of current rate structure is not well documented
- The proposed meter equivalency schedule uses the hydraulic capacity ratio (which is the industry standard and consistent with Novato rates) and results in a “steeper” ratio.
- The study also allocates some costs on a “per account” basis.

Fiscal impact: more costs will be allocated to larger meters

Meter Size	Meter Type	Rating (gpm)	Proposed Equivalency Schedule	Existing Equivalency Schedule	Increase	Percent of Accounts
5/8"	Displacement	20	1.00	1.00	0%	75%
1"	Displacement	50	2.50	2.00	25%	22%
1 1/2"	Displacement	100	5.00	2.44	105%	2%
2"	Displacement	160	8.00	3.80	110%	1%
3"	Compound Class 1	320	16.00	7.53	112%	0.4%
4"	Compound Class 1	500	25.00	12.10	107%	0.1%

Source: Table B-2 AWWA meter standards, *AWWA M1 Manual*, 7th Ed. (2017)

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Hydraulic Zone Charge

Proposed Hydraulic Zone Charge based on:

- Detailed actual electricity usage by zone
- Depreciation expense associated with associated pump and storage assets
(doesn't include a "Zone 1" charge because all water originates in Zone 1)



	Annual Depreciation Expense ¹	Replacement Charge (\$/TGAL)		Electricity Charge per TGAL		Proposed Charge (per TGAL)	Current Charge (per TGAL)
Zone 3 (Olema):	\$8,220	\$0.84	+	\$0.26	=	\$1.10	\$0.95
Zone 2 (others ²):	\$27,780	\$1.58	+	\$0.61	=	\$2.19	\$0.25
Zone 4 (Upper PRE):	\$19,720	\$4.52	+	\$1.64	=	\$6.16	\$6.46
	\$49,300						

¹ Assumes a 25 year expected useful life for Pump Station infrastructure and 50-year expected useful life for storage infrastructure (tanks).

² Includes Inverness Park, Bear Valley, and Lower Paradise Ranch Estates

Private Fire Services Charges

- ✓ Fire service charges are based on cost of maintaining fire service lines on private property
- ✓ Our analysis found that it is appropriate to charge West Marin the same rates as those recently adopted for Novato

Outside Surcharge

- ✓ Calculating the appropriate surcharge for outside customers is not within the scope of the current study. Staff recommends keeping the charge and increasing it by the general annual rate increases.

Special Service Charge for PRE Accounts

- ✓ At this time, there is no measurable difference in the cost to serve the Paradise Ranch Estate service area.
- ✓ Revenue bonds for PRE have been paid in full as of FY2019.

Proposed Rates (Year 1)

VARIABLE QUANTITY CHARGE (per TGAL)

	PROPOSED RATES			CURRENT RATES			PROPOSED CHANGE						
COMMERCIAL	<u>Winter</u>	<u>Summer</u>		<u>Winter</u>	<u>Summer</u>		<u>Winter</u>		<u>Summer</u>				
	Base Rate	\$8.88	\$18.33	\$9.77	\$13.51		-\$0.89	-9.1%	\$4.82	35.7%			
	Zone 3	\$9.98	\$19.43	\$10.72	\$14.46		-\$0.74	-6.9%	\$4.97	34.4%			
	Zone 2	\$11.07	\$20.52	\$10.02	\$13.76		\$1.05	10.5%	\$6.76	49.1%			
	Zone 4	\$15.04	\$24.49	\$16.23	\$19.97		-\$1.19	-7.3%	\$4.52	22.6%			
RESIDENTIAL		<u>Tier</u>			<u>Tier</u>			<u>Tier 1</u>		<u>Tier 2</u>	<u>Tier 3</u>		
	1	2	3	1	2	3							
	Base Rate	\$8.88	\$12.91	\$18.33	\$9.66	\$13.38	\$21.45	-\$0.78	-8.1%	-\$0.47	-3.5%	-\$3.12	-14.5%
	Zone 3	\$9.98	\$14.01	\$19.43	\$10.61	\$14.33	\$22.40	-\$0.63	-5.9%	-\$0.32	-2.2%	-\$2.97	-13.3%
	Zone 2	\$11.07	\$15.10	\$20.52	\$9.91	\$13.63	\$21.70	\$1.16	11.7%	\$1.47	10.8%	-\$1.18	-5.4%
Zone 4	\$15.04	\$19.07	\$24.49	\$16.12	\$19.84	\$27.91	-\$1.08	-6.7%	-\$0.77	-3.9%	-\$3.42	-12.3%	
Outside Surcharge*	\$4.08			\$3.85			\$0.23		6.0%				

FIXED SERVICE CHARGE (bimonthly)

METER SIZE	PROPOSED	CURRENT	CHANGE	
			(dollars)	(percent)
5/8"	\$42.59	\$35.68	\$6.91	19.4%
1" Fire**	\$42.59	\$40.54	\$2.05	5.1%
PRE 5/8" & 1"	\$42.59	\$54.08	-\$11.49	-21.2%
1"	\$107.60	\$71.36	\$36.24	50.8%
1 1/2"	\$214.07	\$87.05	\$127.02	145.9%
2"	\$341.84	\$135.74	\$206.10	151.8%
3"	\$682.56	\$268.77	\$413.79	154.0%
4"	\$1,065.87	\$431.59	\$634.28	147.0%

* As proposed by District staff

** Upsized due to fire code requirements

Bill Impact Drivers for Prop 218:

(why are some customers impacted more than others?)

- 1) Updates to meter equivalency schedule
- 2) Shift in fixed vs. variable revenue
- 3) Change in tier allocations
- 4) Commercial contribution to conservation costs
- 5) Elimination of special charge for PRE accounts
- 6) Update to hydraulic zone charges

Residential Bill Impacts

Single Family

Meter Size	Bimonthly Water Usage (TGAL)		Bi-Monthly Bill			
			Current	Proposed	Change	
5/8" (Base zone)	Low	7.0	\$103.30	\$104.75	1.4%	34.9% of all accounts
	Median	9.0	\$122.39	\$122.30	-0.1%	
	High	25.0	\$314.38	\$304.89	-3.0%	
5/8" (Zone 2)	Low	7.0	\$105.05	\$120.08	14.3%	21.1% of all accounts
	Median	9.0	\$124.63	\$141.95	13.9%	
	High	25.0	\$376.43	\$420.09	11.6%	
5/8" & 1" Paradise Ranch Zone 4	Low	7.0	\$166.92	\$147.87	-11.4%	14.7% of all accounts
	Median	9.0	\$198.77	\$177.59	-10.7%	
	High	25.0	\$494.28	\$458.89	-7.2%	
1" (fire) (Base Zone)	Low	7.0	\$108.16	\$104.75	-3.2%	7% of all accounts
	Median	9.0	\$127.25	\$122.30	-3.9%	
	High	25.0	\$319.24	\$304.89	-4.5%	

Multi-Family

Meter Size	Typical Water Usage (TGAL)	Bi-Monthly Bill		
		Current	Proposed	Change
Duplex (5/8")	14.0	\$171	\$167	-2.3%
4 Units (1.5")	35.0	\$425	\$525	23.5%
25 Units (1.5")	300.0	\$2,985	\$2,878	-3.6%

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Commercial Bill Impacts

Meter Size	Average Monthly Summer Usage (TGAL)	Average Monthly Winter Usage (TGAL)	<u>Summer Month</u>			<u>Winter Month</u>			<u>Annual Total</u>			Percent of Accounts
			Current	Proposed	Change	Current	Proposed	Change	Current	Proposed	Change ¹	
5/8"	4 (low)	4 (low)	\$72	\$95	31.6%	\$57	\$57	-0.2%	\$773	\$795	2.9%	7.0%
	9 (average)	9 (average)	\$139	\$186	33.6%	\$96	\$101	5.4%	\$1,413	\$1,470	4.0%	
	18 (high)	16 (high)	\$261	\$351	34.6%	\$174	\$163	-6.2%	\$2,611	\$2,524	-3.3%	
1"	33 (low)	33 (low)	\$414	\$659	59.1%	\$407	\$347	-14.8%	\$4,925	\$5,098	3.5%	2.2%
	68 (average)	67 (average)	\$819	\$1,300	58.7%	\$788	\$649	-17.7%	\$9,643	\$9,740	1.0%	
	125 (high)	125 (high)	\$1,481	\$2,345	58.3%	\$1,433	\$1,164	-18.8%	\$17,484	\$17,509	0.1%	
1.5"	29	17	\$354	\$639	80.3%	\$210	\$258	23.1%	\$3,383	\$4,238	25.3%	0.4%
2"	107	48	\$1,189	\$2,132	79.3%	\$478	\$597	24.9%	\$10,004	\$11,771	17.7%	0.3%
3"	312	91	\$3,458	\$6,060	75.3%	\$584	\$1,149	96.9%	\$24,250	\$28,525	17.6%	0.1%
4" (Zone 3)	223	164	\$3,050	\$4,866	59.5%	\$1,952	\$2,170	11.1%	\$30,014	\$34,124	13.7%	0.1%

¹ It may appear as though the annual total % change is not consistent with the summer % change and the winter % change, however the reader is reminded that there are three months (June, October and November) which are currently charged at summer rates but are proposed to be charged at winter rates. During those three months the bill impact is expected to be significantly lower, and often a decrease in the bill for that month.

Project Schedule


1. Rate study kickoff meeting	October 21, 2020	Completed
2. Financial planning workshop (Staff)	November 12, 2020	Completed
3. Cost of service (COS) & rate design staff meeting	December 17, 2020	Completed
4. Board Ad-Hoc Committee Meeting #1	January 12, 2021	Completed
5. Board Ad-Hoc Committee Meeting #2	January 26, 2021	Completed
6. Special Board Workshop	February 23, 2021	Completed
7. Regular Board Meeting - Final rate study report presentation	March 16, 2021	Tonight
8. Public Hearing to enact new water rates	June 22, 2021, 6 pm	

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MEMORANDUM

To: Board of Directors

March 12, 2021

From: Julie Blue, Auditor-Controller 

Subj: Oceana Marin Sewer System Financial Plan Update

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RECOMMENDED ACTION: Approve Drafting a Letter to Oceana Marin Sewer Customers Regarding a Sewer Rate Increase

FINANCIAL IMPACT: None at this time

Attached is a draft of the Oceana Marin Water System 5-Year Financial Forecast (Attachment 1).

Significant assumptions include:

- 1) Capital Improvement Project Program (Attachment 2): Within the upcoming 5-year financial plan window three major projects are scheduled. In FY22 \$1,450,000 is budgeted towards the Treatment Pond Rehabilitation project with completion of the project in FY23 for an additional \$205,000. The costs of this project will be offset with 75% grant funding from the California Office of Emergency Services (CalOES). CalOES is currently reviewing the project design with FEMA who is also conducting a final environmental review. Additionally, \$310,000 is budgeted in FY24 for the North St. Lift Station Bypass project and \$412,000 is budgeted in FY25 for the ACP Sewer Reline.
- 2) Rate Increase: A 5% increase to the sewer service charge is incorporated into FY22 and 5% for each of the subsequent years. If the Board approves a 5% increase at its June 22 public hearing, the sewer service charge would increase to \$103/month effective July 1, 2021, which is \$1,236 annually billed on the property tax bill.
- 3) Connection Fee: A new connection every other year is forecasted with no new connections budgeted in FY22. There has been no new growth in the past 3 years but the capacity is available.

The 5% proposed rate increases are consistent with the prior year's 5-year financial plan and budgeted to finance a portion of the CIP plan on a pay-go basis. These increases are needed to fund the capital improvement plan which will address deferred major capital projects. Completion of these projects is necessary to maintain a well functioning sewer system. The forecast also includes borrowing of \$350,000 in FY22 and \$400,000 in FY25 to further support the CIP plan with major projects listed above. The financial plan shown will keep the Oceana Marin System solvent through FY26.

RECOMMENDATION:

Direct Staff to draft a letter to Oceana Marin Sewer customers for Board review noticing a public hearing In Point Reyes Station on June 22 to consider a 5% increase in the sewer service charge.

OCEANA MARIN SEWER**FY 21/22-Five-Year Financial Forecast**

	Est Actual 2020/21	Budget 2021/22	Projected 2022/23	Projected 2023/24	Projected 2024/25	Projected 2025/26
BASIC DATA						
1 Number of Connections	235	235	236	236	237	237
2 Monthly Service Charge	\$98.00	\$103.00	\$108.00	\$113.00	\$119.00	\$125.00
OPERATING REVENUE						
3 Monthly Service Charge	\$276,000	\$290,000	\$306,000	\$320,000	\$338,000	\$356,000
4 Miscellaneous Service Charges	-	-	-	-	-	-
5 Total Operating Revenue	\$276,000	\$290,000	\$306,000	\$320,000	\$338,000	\$356,000
OPERATING EXPENSE						
6 Operating Expenditures	\$238,000	\$209,000	\$215,000	\$221,000	\$227,000	\$233,000
7 Depreciation Expense	46,000	48,000	75,000	81,000	87,000	95,000
8 Total Operating Expense	\$284,000	\$257,000	\$290,000	\$302,000	\$314,000	\$328,000
9 NET OPERATING INCOME	(\$8,000)	\$33,000	\$16,000	\$18,000	\$24,000	\$28,000
NON-OPERATING REVENUE/(EXPENSE)						
10 Interest Revenue	\$5,000	\$4,000	\$4,000	\$3,000	\$1,000	\$2,000
11 Interest Expense	-	(3,500)	(3,100)	(2,800)	(2,500)	(6,500)
12 OM-1/OM-3 Tax Allocation	60,000	61,000	62,000	63,000	64,000	65,000
13 Miscellaneous Expense	1,000	1,000	1,000	1,000	1,000	1,000
14 Total Non-Op Revenue/(Expense)	\$66,000	\$62,500	\$63,900	\$64,200	\$63,500	\$61,500
15 Net Income	\$58,000	\$95,500	\$79,900	\$82,200	\$87,500	\$89,500
OTHER SOURCES/(USES)						
16 Add Depreciation Expense	\$46,000	\$48,000	\$75,000	\$81,000	\$87,000	\$95,000
17 Connection Fees	-	-	30,000	-	30,000	-
18 Capital Improvement Projects	(110,000)	(1,590,000)	(370,000)	(350,000)	(452,000)	(242,000)
19 Grant/Loan Proceeds	86,000	1,438,000	155,000	-	400,000	-
20 Debt Principal Payments	-	-	(33,000)	(33,000)	(33,000)	(72,000)
21 Net Change in Working Capital	-	-	-	-	-	-
22 Total Other Sources/(Uses)	\$22,000	(\$104,000)	(\$143,000)	(\$302,000)	\$32,000	(\$219,000)
23 Cash Increase/(Decrease)	\$80,000	(\$8,500)	(\$63,100)	(\$219,800)	\$119,500	(\$129,500)
24 ENDING CASH BALANCE	\$381,000	\$373,000	\$310,000	\$90,000	\$210,000	\$81,000
% Rate Increase¹	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

¹Fiscal year 2022 Rate increase to be reviewed for approval by the Board on June 22, 2021. FY 2023 through 2026 are projections for financial forecasting purposes only - not yet approved by the Board of Directors.

OCEANA MARIN SEWER**NOTES**

KEY

- 1 Assumes 1 connection every other year due to slow growth in the area. Capacity is estimated at 294 dwelling units.
- 2 Proposed 5% increase for FY22 and annual increases of 5% to fund the CIP budget and cash reserves.
- 6 Operating expenditures projected to increase 3% annually after FY21.
- 10 Projected available funds invested at 1.00%
- 12 County tax allocation enacted subsequent to Prop 13 to compensate for O&M tax revenue previously received. OM-1/IOM-3 County tax allocation is projected to increase 1.6% per year.
- 17 Connection fee increased to \$30,000 on 7/1/17. Assumes 1 connection every other year due to slow growth in the area.
- 18 Capital Improvement Projects. See 5-year Capital Improvements Project Plan.
- 19 Grant/Loan - Pond Treatment Rehab capital projects to be funded at 75% by grants. Eligible project costs are budgeted at \$1.8M (75%=\$1.3M). Also includes loans for capital projects of \$350K in FY22 and \$400K in FY25.
- 24 Cash available for operation, maintenance and improvements.

North Marin Water District
Capital Improvement Projects
Draft Schedule as of March 12, 2021

ATTACHMENT 2

OCEANA MARIN SEWER SYSTEM		FY21 Budget	FY21 Est Actual	FY22	FY23	FY24	FY25	FY26
8.8672.28	Infiltration Repair (Manhole Relining)	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
8.7085.05	Tahiti Way Lift Pumps Replacement	\$ 25,000	\$ 25,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
8.7166.00	ACP Sewer Reline (6"@ 3,000')	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 412,000	\$ -
8.7173.00	OM Treatment Pond Rehab (Note 5)	\$ 225,000	\$ 45,000	\$ 1,450,000	\$ 205,000	\$ -	\$ -	\$ -
	Sewer Force Main Improvements	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -
	North St. Lift Station Bypass	\$ -	\$ -	\$ -	\$ -	\$ 310,000	\$ -	\$ -
	Parallel Sewer Force Main (1st of 3 Segments)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 242,000
TOTAL OCEANA MARIN SEWER SYSTEM PROJECTS		\$ 290,000	\$ 110,000	\$ 1,590,000	\$ 370,000	\$ 350,000	\$ 452,000	\$ 282,000
LESS FUNDED BY LOANS/GRANTS/OTHER								
	OM Treatment Pond Rehab (Note 5)	\$ (225,000)	\$ (86,060)	\$ (1,088,000)	\$ (153,750)	\$ -	\$ -	\$ -
	OM Treatment Pond Rehab (Note 5) - Novato Loan	\$ -	\$ -	\$ (350,000)	\$ -	\$ -	\$ -	\$ -
	OM Parallel Force Main (Note 7) Novato Loan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (400,000)	\$ -
TOTAL LOAN/GRANT FUNDS		\$ (225,000)	\$ (86,060)	\$ (1,438,000)	\$ (153,750)	\$ -	\$ (400,000)	\$ -
SUMMARY - NET PROJECT OUTLAY								
	Oceana Marin Sewer	\$ 65,000	\$ 23,940	\$ 152,000	\$ 216,250	\$ 350,000	\$ 452,000	\$ 282,000
NET PROJECT OUTLAY		\$ 65,000	\$ 23,940	\$ 152,000	\$ 216,250	\$ 350,000	\$ 452,000	\$ 282,000

10

MEMORANDUM

To: Board of Directors

March 12, 2021

From: Drew McIntyre, General Manager
Julie Blue, Auditor ControllerSubj: Authorize Affirmative Vote for SCWA FY2021-2022 Water Transmission System Budget
t:\gml\2021 misc\scwa fy22 budget.docx**RECOMMENDED ACTION:** Authorize WAC Representative to vote in favor for SCWA FY2021-2022 Water Transmission System (WTS) Budget**FINANCIAL IMPACT:** Approximately \$265,000 increase in purchased water

A final draft of the Sonoma County Water Agency Water Transmission System budget for Fiscal Year 2021/22 (FY22) is provided as Attachment 1. A presentation of the Draft FY22 SCWA WTS Budget will be provided by Ms. Lynne Rosselli, Finance Director (see Attachment 2). The budget proposes NMWD water purchases next fiscal year at \$1,047.34 per acre-foot, versus \$1,001.00 per acre-foot this current fiscal year (Attachment 1, pg. 4). It was previously reported to the Board that SCWA's rate increase for NMWD is 4.63%. The SCWA budget is based on projected purchases of 6,224 AF versus 5,250 AF budgeted in FY21. The increase in water rates account for an estimated increase in annual purchased water of \$265,000. The total increase will vary depending on the volume of water purchased. SCWA is forecasting future annual water rate increases between 4% and 6% for the water contractors but the NMWD increase can fall outside of this range. The contractual arrangement between SCWA and NMWD includes a Russian River Conservation Charge and a Russian River Projects Charge in lieu of property taxes levied on Sonoma County properties.

A TAC Ad Hoc Finance subcommittee was formed in December, 2020 to review and negotiate the budget with the Agency. The Ad Hoc Finance subcommittee (which included Ms. Blue) met twice in January 2021 and the TAC unanimously approved the FY22 SCWA WTS budget on March 1, 2021. A special WAC meeting will be held on April 5, 2021 to consider the budget. Absent any objections by Board members, it is my recommendation that the NMWD WAC representative, Director Baker, vote in favor of the budget as presented.

RECOMMENDATION

Board authorize WAC representative to vote in favor for FY22 SCWA Water Transmission System Budget.

Water Transmission FY 2021-2022 Draft Budget and Rates

The draft proposed FY 2021-2022 rates are shown in the table below:

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	46,095		
O&M	\$685.92	\$685.92	\$685.92
Water Management Planning	\$0.00	\$0.00	\$0.00
Watershed Planning & Restoration	\$132.66	\$132.66	\$132.66
Recycled Water and Local Supply	\$0.93	\$0.93	\$0.93
Water Conservation	\$44.44	\$44.44	\$44.44
Total O&M	\$863.95	\$863.95	\$863.95
Storage & Common Bond/Loan Charges	\$116.51	\$116.51	\$116.51
Sonoma Aqueduct Bond/Loan Charge			\$126.72
Prime Contractors	\$980.46	\$980.46	\$1,107.18
<u>Discretionary Charges</u>			
Capital Charges - to build fund balance for future projects	\$20.00	\$20.00	\$38.00
Total Prime Contractors	\$1,000.46	\$1,000.46	\$1,145.18
Total Overall Increase:	3.47%	3.47%	3.43%

SUMMARY

- **Deliveries: (Budget Packet Pages 9-14):**
 - FY 2021-2022: rates are based on budgeted deliveries of **46,095 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 (**46,095 AF**) or the last 12 months of water deliveries (Calendar Year (CY) 2020: **47,748 AF**). Actual deliveries for CY 2020 were 9.2% more than CY 2019: 43,707 AF. FY 2021-2022 budgeted deliveries are 5.5% more than FY 2020-2021 budgeted deliveries.
 - FY 2020-2021: budgeted deliveries for rate calculation were based on average annual water deliveries for the last 12 months of water deliveries CY 2019 (43,707 AF). Actual FY deliveries will be determined at the end of FY 2020-2021. Current trend indicates actuals may be at budget.
 - FY 2019-2020: budgeted deliveries were 43,870 AF. Actual deliveries were 45,649 AF (4.1% higher).
- **Operations and Maintenance (O&M) – Water Transmission O&M Fund (Budget Packet Pages 15-22):**
 - 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	\$29.41	4.5%	Increase due to cathodic protection projects and pay go capital projects in Common Facilities.
Revenue	\$3,721,000	8.5%	Increase in revenue is attributable to the rate increase and increase in water deliveries.
Expenditures	\$3,934,000	7.8%	Increase attributable to an increase in maintenance projects to build system resiliency (cathodic protection, pump and valve replacements, chlorine and pH improvement projects), studies (Regional Water Supply Resiliency, Watershed and Riverbank Filtration Water Quality Studies and fire related water quality studies), emergency response planning and training, and pay go capital projects in Common Facilities.

Factors affecting the O&M rate:

O&M Fund Expenditures	Increase (Decrease) in Dollars	Percent Change	Description
Labor	\$875,000	5.5%	Increase attributable to increase in maintenance to build system resiliency (pumps, pipes, valves, chlorine and pH projects), and regional water supply resiliency, water quality studies, and emergency response planning and training.
Power	\$0	0.0%	No increase anticipated over FY2020-2021 budget.
Chemicals	\$0	0.0%	No increase anticipated over FY2020-2021 budget.
Testing/Analysis	\$10,000	8.0%	Increase due to fire-related water quality testing.
Contract Services	(\$627,000)	-9.6%	Decrease due to tank maintenance contracting delays and change in approach. Tank maintenance program will cost an estimated \$1 million per year (prior year budgets will roll forward). Recoat projects will be bid under separate contracts.
Maintenance - Equipment	\$400,000	37.6%	Increase for collector well pump and valve replacements and chlorine and pH projects to build system resiliency.
Small Tools - Instruments	(\$5,000)	-3.2%	Reflects five year average expenditures.
Operating Transfers	\$2,565,000	19.7%	Operating Transfers (OT's) move revenue generated by rates into respective funds (debt service funds, subfunds, aqueduct capital funds and Common Facilities) and maintain appropriate fund balance.

- **Subfunds: (Budget Packet Pages 23-32):**

- 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	(\$0.92)	-99.5%	Fiscal Year 2020-2021 rate is \$0.92. Fund is for Urban Water Management Plan updates. Past rate increases have accumulated sufficient fund balance for Fiscal Year 2021 Urban Water Management Plan.
Revenue	(\$48,000)	-96.2%	Using an estimated \$79,000 in fund balance to decrease rate increase and smooth overall rate increase.
Expenditures	(\$95,000)	-54.3%	Consulting agreement encumbered in prior year leading to reduced budget in FY2021-22 following submittal of Urban Water Management Plan.

○ 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	\$15.33	13.1%	Fiscal Year 2020-2021 rate is \$117.33. Rate increase for design and right-of-way expenditures for Dry Creek Habitat Enhancement phases 5 and 6, and construction of phases 4 and 5. Approximately \$300,000 in fund balance is being used for design and construction costs to smooth rate impact.
Revenue	\$972,000	17.4%	Increase due to subfund rate increase for Dry Creek Habitat Enhancement phases 5 and 6, offset by use of fund balance.
Expenditures	(\$1,799,000)	-19.8%	Decrease in expenditures due to completion of Dry Creek Habitat Enhancement phase 4 activities. 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	(\$0.01)	-0.8%	Fiscal Year 2020-2021 rate is \$0.94. Past rate increases have accumulated sufficient fund balance for this fund.
Revenue	(\$14,000)	-23.6%	Using approximately \$50,000 in fund balance to decrease rate increase and smooth overall rate increase.
Expenditures	\$0	0.0%	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	\$1.63	3.8%	Fiscal Year 2020-2021 rate is \$42.81. Rate increase for program needs including Prop 1 Bay area and North Coast grant programs.
Revenue	\$790,000	33.2%	Fiscal Year 2020-2021 use of \$405,000 in fund balance to reduce conservation fund rate increase and smooth overall rate increase.
Expenditures	\$1,051,000	41.6%	Implement water use efficiency, outreach and education projects, address 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 44-53):**

- The rates are calculated by dividing the annual debt service and reserve requirements (2012A, 2015A, and 2019A Water Revenue Bonds) by water deliveries. FY19-20 new money financing (Water Revenue Bonds 2019A): Total \$11.01M at 2.44% for 25 years (matures in 2044).

Storage and Common Bond/Loan Charges	Increase (Decrease) in Dollars	Percent Change	Description
Storage Bond/Loan Charge	(\$1.16)	-4.8%	Fiscal Year 2020-2021 rate is \$24.28. Rate is based on revenue requirement for debt service divided by water deliveries. Rate decrease is due to increase in budgeted water deliveries.
Common Bond/Loan Charge	(\$3.77)	-3.9%	Fiscal Year 2020-2021 rate is \$97.16. Rate is based on revenue requirement for debt service divided by water deliveries. Rate decrease is due to increase in budgeted water deliveries.
Sonoma Aqueduct Bond/Loan Charge	(\$9)	-6.3%	Fiscal Year 2020-2021 rate is \$135.26. 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 decrease is due to increase 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 2020-2021 budget included a rate per AF of \$27 for the Santa Rosa and Petaluma Aqueducts, and \$32 for the Sonoma Aqueduct.
- The FY 2021-2022 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):**

- 3.47% (Santa Rosa and Petaluma Aqueducts); 3.43% (Sonoma Aqueduct)

- FY 2021-2022 budgeted deliveries are based on the average annual water deliveries for the past 36 months (46,095 AF). FY 2021-2022 budgeted deliveries are 5.46% more than FY 2020-2021 budgeted deliveries.
- The FY2021-2022 budget accommodates an increase in maintenance projects (cathodic protection, pump and valve replacements, chlorine and pH improvement projects), 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 4, 5, and 6, and construction for phases 4 and 5; and investment in hazard mitigation and other capital infrastructure projects.

Changes made since January 19, 2021 Draft Water Transmission Budget: reduced costs by \$1.4 million:

- Decreased capital project costs in Common Facilities
- Decreased transfer from O&M to Common Facilities
- Increased use of fund balance in Subfunds
- Decreased costs in Water Conservation Subfund
- Water contractors elected to decrease discretionary aqueduct capital charge

FY 2021-2022 Capital Projects

(Budget Packet Pages 33-43):

Water Transmission Budget		FY21-22	
Capital Projects Summary			
Project	Category	Amount	Status
Santa Rosa Creek Crossing	Santa Rosa AQ	800,000	FY20-21: 60% design; award FY21-22
Ely BPS Flood Control & Electrical Upgrade	Petaluma AQ	202,411	FY20-21: 60% design; award FY21-22
SBS Electrical Upgrade and Pumping Reliability	Sonoma AQ	25,000	Under construction; construction management FY21-22
Sonoma AQ Crossing of Spring Creek & Bennett Valley Fault Cross	Sonoma AQ	25,000	Preliminary design
LHMP-Bennet Valley Fault Crossing (Oakmont Pipeline)	Storage	25,000	Preliminary design
Mirabel Dam Bladder Replacement	Common	255,250	Awarded FY20-21; inspection costs FY21-22
Mirabel RR Crossing Fiber Optic Cable Relocation	Common	370,000	Part of Russian River Crossing Project
Mirabel Storage Shed	Common	-	Delaying
MW Creek Crossing	Common	3,660,000	FY20-21: 90% design; award FY21-22
RDS Pump and Motor Control Center Replacement	Common	183,784	Costs to advance design
RR Crossing	Common	709,290	Awarded FY20-21; construction management FY21-22
Warm Springs Dam Hydroturbine Retrofit	Common	2,497,265	Award July 2021
Wohler Bridge Fiber Optic Cable	Common	150,000	Public Works Project expected to occur this summer
Wohler Plant Access Rd. Retaining Wall	Common	21,100	FY20-21: 60% design; award FY21-22
SCADA Upgrade	Common	750,000	Complete by 12/31/21
	TOTAL	9,674,100	
	Santa Rosa AQ	800,000	
	Petaluma AQ	202,411	
	Sonoma AQ	50,000	
	Storage	25,000	
	Common	8,596,689	
		9,674,100	

**Sonoma County Water Agency
FY2021-2022 Draft Water Transmission Budget and Rates**

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FY2021-2022

Prime Contractor Rates Summary

	CHARGE PER ACRE FOOT:						Percent Change
	Santa Rosa	Petaluma	Sonoma				
	Aqueduct	Aqueduct	Aqueduct	FY20-21			
				SR	Pet	Son	
O&M Charge [4.2]	685.92	685.92	685.92	\$656.51	\$656.51	\$656.51	4.48%
Water Management Planning Sub-charge [4.13]	0.00	0.00	0.00	\$0.92	\$0.92	\$0.92	-99.46%
Watershed Planning/Restoration Sub-charge [4.14]	132.66	132.66	132.66	\$117.33	\$117.33	\$117.33	13.06%
Recycled Water & Local Supply Sub-charge [4.15]	0.93	0.93	0.93	\$0.94	\$0.94	\$0.94	-0.76%
Water Conservation Sub-charge [4.16]	44.44	44.44	44.44	\$42.81	\$42.81	\$42.81	3.81%
O&M Charge	863.95	863.95	863.95	\$818.51	\$818.51	\$818.51	5.55%
Storage and Common Bond & Loan Charges	116.51	116.51	116.51	\$121.44	\$121.44	\$121.44	-4.06%
Sonoma Aqueduct Bond Charge			126.72			\$135.26	-6.3%
PRIME CONTRACTORS	\$980.46	\$980.46	\$1,107.18	\$939.95	\$939.95	\$1,075.21	4.31%
Capital Charges - to build fund balance for future projects	20.00	20.00	38.00	\$27.00	\$27.00	\$32.00	-26%
PRIME CONTRACTORS	20.00	20.00	38.00	\$27.00	\$27.00	\$32.00	-26%
TOTAL PRIME CONTRACTORS	\$1,000.46	\$1,000.46	\$1,145.18	\$966.95	\$966.95	\$1,107.21	3.47%
Increase from FY2020-2021	3.47%	3.47%	3.43%	5.30%	5.30%	5.57%	

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
FY20-21	43,707	
FY21-22		46,095

FY2021-2022

Prime Contractor Rates Summary

CHARGE PER ACRE FOOT:

Petaluma AQ

	<u>NMWD</u>	<u>NMWD</u>	<u>Percent Change</u>
	<u>FY21-22</u>	<u>FY20-21</u>	
<u>O&M Charge [4.2]</u>	685.92	\$656.51	4.48%
Water Management Planning Sub-charge [4.13]	0.00	\$0.92	-99.46%
Watershed Planning/Restoration Sub-charge [4.14]	132.66	\$117.33	13.06%
Recycled Water & Local Supply Sub-charge [4.15]	0.93	\$0.94	-0.76%
Water Conservation Sub-charge [4.16]	44.44	\$42.81	3.81%
O&M Charge	863.95	\$818.51	5.55%
North Marin Bond & Loan Charge [4.9]	56.82	\$67.69	-16.05%
Russian River Conservation Charge [4.18 (a)]	115.94	\$106.12	9.25%
Russian River Projects Charge [4.18 (b)]	10.63	\$8.68	22.47%
<u>TOTAL NMWD</u>	<u>\$1,047.34</u>	<u>\$1,001.00</u>	<u>4.63%</u>

WATER TRANSMISSION SYSTEM
FY21-22 WATER CHARGES PER ACRE-FOOT
FOR PRIME CONTRACTORS

FISCAL YEAR	SANTA ROSA AQUEDUCT	% INCR. (DECR.)	PETALUMA AQUEDUCT	% INCR. (DECR.)	SONOMA AQUEDUCT	% INCR. (DECR.)
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
FY21-22 REVENUE SUMMARY CHART**

WATER CUSTOMER	FY21-22 Budgeted Water Use (Acre-Feet)	FY20-21 Rate \$/Acre-Foot	FY21-22 Proposed Rate \$/Acre-Foot	Dollar Change	Percent Change
Santa Rosa Aqueduct	17,807	\$966.95	\$1,000.46	\$33.51	3.47%
Petaluma Aqueduct	10,053	966.95	1,000.46	\$33.51	3.47%
Sonoma Aqueduct	4,201	1,107.21	1,145.18	\$37.97	3.43%
North Marin Water District	6,224	1,001.00	1,047.34	\$46.34	4.63%
Marin Municipal – Fourth Off Peak	4,300	1,188.11	1,237.08	\$48.97	4.12%
Marin Municipal – Supplemental	1,469	1,188.11	1,237.08	\$48.97	4.12%
Forestville Aqueduct	404	966.95	1,000.46	\$33.51	3.47%
Wholesale/Municipal	1,015	1,328.64	1374.214	\$45.57	3.43%
Surplus	101	982.21	1,036.74	\$54.53	5.55%
Windsor	521	1,160.34	1,000.46	(\$159.88)	-13.78%
TOTAL	46,095				

SONOMA COUNTY WATER AGENCY RATES FOR WATER DELIVERIES IN FY21-22

[X] ESTIMATED [] OFFICIAL

Approved by Board of Directors on April ____, 2021

CHARGE PER ACRE FOOT:

	Santa Rosa Aqueduct	Petaluma Aqueduct	Sonoma Aqueduct
PRIME CONTRACTORS			
<u>O&M Charge [4.2]</u>	\$685.92	\$685.92	\$685.92
Water Management Planning Sub-charge [4.13]	\$0.00	\$0.00	\$0.00
Watershed Planning/Restoration Sub-charge [4.14]	\$132.66	\$132.66	\$132.66
Recycled Water & Local Supply Sub-charge [4.15]	\$0.93	\$0.93	\$0.93
Water Conservation Sub-charge [4.16]	\$44.44	\$44.44	\$44.44
O&M Charge	\$863.95	\$863.95	\$863.95
 <u>Bond & Loan Charges - to pay for existing debt service</u>			
Storage Facilities Capital Charge [4.7]	23.12	23.12	23.12
Common Facilities Capital Charge [4.8]	93.39	93.39	93.39
Sonoma Aqueduct Facilities Capital Charges [4.6 b]			126.72
<u>Total Bond & Loan Charges</u>	\$116.51	\$116.51	\$243.23
 <u>Discretionary:</u>			
<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	\$1,000.46	\$1,000.46	\$1,145.18
Charge without LRT2 and voluntary AQ Capital Charge	\$980.46	\$980.46	\$1,107.18
OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES			
(WATER CO'S & PUBLIC AGENCIES)	\$993.46		
O&M Charge	\$863.95	\$863.95	\$863.95
Capital Charges	116.51	116.51	243.23
Aqueduct Facilities Capital Charge [4.12]	\$393.75	\$393.75	\$267.03
TOTAL OTHER AGENCY CUSTOMERS/WHOLESALE CHARGES (4.12)	\$1,374.21	\$1,374.21	\$1,374.21
(120% OF HIGHEST PRIME)			
FORESTVILLE			0.01
O&M Charge [4.2] *	\$685.92		
Water Management Planning Sub-charge [4.13]	0.00		
Watershed Planning/Restoration Sub-charge [4.14]	132.66		
Recycled Water & Local Supply Sub-charge [4.15]	0.93		
Water Conservation Sub-charge [4.16]	44.44		
O&M Charge	\$863.95		
<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]	23.12		
Common Facilities Capital Charge [4.8]	93.39		
<u>Total Capital Charges</u>	\$136.51		
TOTAL FORESTVILLE	\$1,000.46		
* 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		\$863.95	Note: N. Marin pays bond and loan charge in lieu of Capital Charge.
North Marin Bond & Loan Charge [4.9]		56.82	
Russian River Conservation Charge [4.18 (a)]		115.94	
Russian River Projects Charge [4.18 (b)]		10.63	
TOTAL NORTH MARIN WATER DISTRICT		<u>1,047.34</u>	
FOURTH OFF-PEAK (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$1,110.51	
Russian River Conservation Charge		115.94	
Russian River Projects Charge		10.63	
TOTAL FOURTH OFF-PEAK		<u>\$1,237.08</u>	
SUPPLEMENTAL (MARIN MUNICIPAL)			
Highest Prime on SR and PET AQ x 1.11		\$1,110.51	
Russian River Conservation Charge		115.94	
Russian River Projects Charge		10.63	
TOTAL SUPPLEMENTAL		<u>\$1,237.08</u>	
SURPLUS			
Non-Municipal / Municipal [4.11 (a)]	\$1,036.74	\$1,036.74	\$1,036.74
(120% of O&M Charge)			
Town of Windsor		\$1,000.46	
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)].			
	\$1,000.46		

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

FY 2021-22 BUDGET
SONOMA COUNTY WATER AGENCY
Operations and Maintenance Rate Computation

\$0.10

O & M REVENUE REQUIREMENT

FY21-22 ESTIMATED FISCAL YEAR EXPENDITURES

\$54,548,404

LESS:

DepreciationAmortization	8,036,000
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	
Recycled Water funds (Sub-object 7277) taken from special reserve	0
Transfers Out	13,908,250

REVENUE REQUIREMENT (Net Expenditures)

\$32,468,154

O & M ACRE FOOT BASE

DELIVERIES:

46,095.3

LESS:

Marin Municipal	5,769.3
Surplus (Irrigation)	98.4

TOTAL BASE DELIVERIES

40,227.6

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

$$= \frac{32,468,154 - (4,300.00 \times 845.05) - (1,469.33 \times 845.05)}{46,095.3 - 98.4 - 5,769.3}$$

* = **685.92**

FY21-22
Proposed Water Rates

	<u>FY20-21</u>	<u>FY21-22</u>	
	(Actual)	(Proposed)	% Change
O&M Charge	656.51	685.92	4.48%
Water Management Planning Sub-Charge	0.92	0.00	-99.46%
Watershed Planning/Restoration Sub-Charge	117.33	132.66	13.06%
Recycled Water Sub-Charge	0.94	0.93	-0.76%
Water Conservation Sub-Charge	42.81	44.44	3.81%
Total O&M Charge	818.51	863.95	5.55%

Santa Rosa Aqueduct Rate

O&M Charge	818.51	863.95	5.55%
Aqueduct Facilities Capital Charges [4.6 e]	27.00	20.00	-25.9%
Storage Facilities Capital Charge [4.7]	24.28	23.12	-4.79%
Common Facilities Capital Charge [4.8]	97.16	93.39	-3.88%
TOTAL	966.95	1000.46	3.47%

Petaluma Aqueduct Rate

O&M Charge	818.51	863.95	5.55%
Aqueduct Facilities Capital Charges [4.6 e]	27.00	20.00	-25.9%
Storage Facilities Capital Charge [4.7]	24.28	23.12	-4.79%
Common Facilities Capital Charge [4.8]	97.16	93.39	-3.88%
TOTAL	966.95	1000.46	3.47%

Sonoma Aqueduct Rate

O&M Charge	818.51	863.95	5.55%
Aqueduct Facilities Capital Charges [4.6 e]	32.00	38.00	18.8%
Storage Facilities Capital Charge [4.7]	24.28	23.12	-4.79%
Common Facilities Capital Charge [4.8]	97.16	93.39	-3.88%
Sonoma Aqueduct Facilities Capital Charge	135.26	126.72	-6.31%
TOTAL	1107.21	1145.18	3.43%

SONOMA COUNTY WATER AGENCY
RUSSIAN RIVER CONSERVATION CHARGE COMPUTATION

FISCAL YEAR 2021-22

PROPERTY ASSESSMENT VALUES AS OF FY20-21:

TAX CODE	ENTITY	SECURED	UNSECURED	TOTAL VALUE
14000	Forestville Co Water District	470,126,418	2,432,566	\$472,558,984
42800	City of Cotati	1,216,318,370	27,665,079	1,243,983,449
43500	City of Petaluma	10,758,598,273	466,845,187	11,225,443,460
43800	City of Rohnert Park	6,019,197,873	148,611,950	6,167,809,823
44500	City of Santa Rosa	25,988,958,480	806,171,563	26,795,130,043
45000	City of Sonoma	3,089,579,981	89,202,824	3,178,782,805
N/A	Valley of the Moon Water District	3,799,224,241	30,066,078	3,829,290,319
TOTAL		\$51,342,003,636	\$1,570,995,247	\$52,912,998,883

Notes:

- Total value of secured and unsecured property in service areas of Prime Water Contractors of Sonoma County (see above) \$52,912,998,883
- 2016-17 Sonoma County tax rate per \$100 of full cash value assessed for payment of Warm Springs Dam Project Obligations 0.007
- Total tax levied on citizens residing in service areas of Prime Water Contractors of Sonoma County, i.e., (Line 1/100) x Line 2 \$3,703,910
- 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. 31,945.69
- Total Russian River Conservation Charge per Acre Foot (Line 3 / Line 4) \$115.94

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

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

		DELIVERING AQUEDUCT				Monthly
		Santa Rosa	Petaluma	Forestville	Sonoma	Total
36	Jan-18	1,307.1	1,496.0	25.4	228.5	3,057.1
35	Feb-18	1,097.9	1,292.8	20.2	210.7	2,621.6
34	Mar-18	1,059.5	1,691.3	19.3	179.0	2,949.0
33	Apr-18	1,361.0	2,012.0	27.2	267.7	3,667.9
32	May-18	1,475.9	2,043.2	29.0	340.3	3,888.4
31	Jun-18	1,825.4	2,338.6	37.5	406.5	4,608.0
30	Jul-18	2,244.4	2,877.4	53.4	577.1	5,752.3
29	Aug-18	1,748.3	2,239.0	47.9	446.1	4,481.3
28	Sep-18	1,681.1	2,073.3	44.8	411.1	4,210.4
27	Oct-18	1,931.3	2,273.1	43.0	449.9	4,697.3
26	Nov-18	1,409.2	1,759.8	28.8	329.2	3,527.0
25	Dec-18	1,326.0	1,720.4	24.2	299.4	3,370.1
24	Jan-19	1,002.3	1,176.4	19.0	198.2	2,396.0
23	Feb-19	1,098.3	1,137.9	18.4	176.0	2,430.7
22	Mar-19	1,165.9	1,028.0	20.8	164.9	2,379.6
21	Apr-19	1,265.0	1,794.2	24.6	177.3	3,261.2
20	May-19	1,117.0	2,055.4	29.2	264.6	3,466.1
19	Jun-19	1,588.5	2,062.7	32.1	315.4	3,998.7
18	Jul-19	2,297.8	2,778.4	51.7	538.0	5,666.1
17	Aug-19	1,872.0	2,185.7	48.2	456.5	4,562.4
16	Sep-19	1,734.9	2,078.1	41.9	457.0	4,311.9
15	Oct-19	2,000.5	2,290.4	48.3	514.5	4,853.8
14	Nov-19	1,502.4	1,484.6	40.2	410.9	3,438.0
13	Dec-19	1,307.8	1,339.8	18.4	276.7	2,942.8
12	Jan-20	1,029.5	1,198.3	18.9	168.7	2,415.4
11	Feb-20	1,100.9	1,411.3	20.3	170.5	2,702.9
10	Mar-20	1,258.5	1,644.6	22.2	268.9	3,194.3
9	Apr-20	1,483.7	1,749.8	27.9	289.9	3,551.3
8	May-20	1,532.6	1,713.9	30.7	356.7	3,633.9
7	Jun-20	1,700.7	2,162.3	42.3	471.0	4,376.3
6	Jul-20	2,458.9	2,844.2	55.9	631.6	5,990.6
5	Aug-20	1,889.6	2,304.7	47.2	532.0	4,773.5
4	Sep-20	1,656.9	2,133.9	42.0	444.3	4,277.1
3	Oct-20	2,108.6	2,653.4	52.5	522.1	5,336.7
2	Nov-20	1,318.5	2,013.1	31.8	360.4	3,723.7
1	Dec-20	1,329.1	2,126.5	27.3	289.9	3,772.8
Total Deliveries		55,287.1	69,184.4	1,212.6	12,601.8	138,285.8
3-Year Annual Average		18,429.0	23,061.5	404.2	4,200.6	46,095.3
Past 12 Months		18,867.4	23,956.0	418.9	4,506.1	47,748.4
Total Deliveries		55,287.1	69,184.4	1,212.6	12,601.8	138,285.8
Less: North Marin			18,671.0			18,671.0
Marin Municipal			17,308.0			17,308.0
Sonoma Co. Deliveries		55,287.1	33,205.4	1,212.6	12,601.8	102,306.8
3-Year Annual Average		18,429.0	11,068.5	404.2	4,200.6	34,102.3

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

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

Aqueduct No.	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	TOTAL	***** DELIVERING AQUEDUCT *****			
														Santa Rosa	Petaluma	Sonoma	TOTAL
PRIMES														DELIVERED TO:			
1 City of Santa Rosa	982.8	1,048.3	1,202.6	1,424.2	1,440.0	1,629.6	2,352.1	1,803.8	1,578.1	2,024.8	1,255.9	1,281.5	18,023.8	CITY OF SANTA ROSA (A)			
2 City of Petaluma	397.9	419.7	550.8	556.9	514.9	660.3	903.6	729.5	703.9	777.5	579.8	533.4	7,328.2	Jan 2020	858.6	0.0	124.2
2 North Marin Water Dist.	343.3	369.1	465.6	503.5	483.1	513.2	723.6	641.4	642.7	920.9	616.7	561.4	6,784.6	Feb 2020	917.4	0.0	131.0
2 City of Rohnert Park	107.4	113.5	123.4	137.8	195.2	227.4	324.4	254.5	221.5	278.2	217.6	209.6	2,410.5	Mar 2020	1,018.0	0.0	184.6
2 City of Cotati	19.6	21.0	27.0	33.3	40.8	59.3	79.9	64.7	67.8	77.9	53.0	44.5	588.8	Apr 2020	1,172.4	0.0	251.9
1 Town of Windsor	32.8	36.5	34.5	40.4	64.6	39.9	57.7	48.0	48.5	45.7	39.8	32.4	520.7	May 2020	1,146.6	0.0	293.4
4 City of Sonoma	78.4	81.7	130.5	145.0	153.8	203.8	259.8	232.4	181.6	223.4	165.6	129.3	1,985.4	Jun 2020	1,284.1	0.0	345.5
4 Valley of the Moon Dist.	79.0	77.9	122.9	130.0	185.7	244.1	335.9	259.4	230.5	259.5	166.5	135.0	2,226.2	Jul 2020	1,897.2	0.0	454.9
TOTAL PRIMES	2,041.2	2,167.8	2,657.3	2,971.1	3,078.2	3,577.6	5,037.0	4,033.7	3,674.5	4,607.7	3,095.0	2,926.9	39,868.1	Aug 2020	1,469.4	0.0	334.5
OTHER AGENCY CUSTOMERS														Sep 2020	1,300.6	0.0	277.5
1 Cal-American Water	12.3	15.3	20.3	13.4	23.0	24.9	39.9	31.6	25.3	35.8	21.7	14.7	277.9	Oct 2020	1,603.6	0.0	421.1
2 Penngrove Water Co	8.4	8.8	11.1	16.2	13.7	20.2	27.4	21.7	20.1	22.6	14.4	13.8	198.4	Nov 2020	1,016.9	0.0	239.1
4 Lawndale Mutual	1.4	1.8	3.3	3.6	4.2	5.0	8.1	7.8	6.7	7.7	5.5	4.8	59.8	Dec 2020	1,078.1	0.0	203.3
4 Kenwood Village Water Co	0.4	0.6	0.4	0.2	0.2	0.2	0.5	0.5	0.5	2.4	0.5	0.5	6.9	TOTAL SANTA ROSA	14,762.9	0.0	3,260.9
3 Forestville Co Water Dist.	18.9	20.3	22.2	27.9	30.7	42.3	55.9	47.2	42.0	52.5	31.8	27.3	418.9	OTHER PRIME CONTRACTORS (B)			
1 Other Gov-Santa Rosa Aq	0.5	0.5	0.5	0.7	0.6	0.7	1.2	0.4	1.6	0.4	0.3	0.2	7.5	CITY OF PETALUMA	0.0	7,328.2	7,328.2
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	NORTH MARIN WATER DISTRICT		6,784.6	6,784.6
4 Other Gov-Sonoma Aq	7.5	6.4	8.8	8.0	8.9	11.4	18.8	21.9	18.0	21.9	18.0	17.4	167.0	CITY OF ROHNERT PARK	21.7	2,388.8	2,410.5
TOTAL OTHER AGY. CUST	49.3	53.6	66.6	69.9	81.2	104.6	151.8	131.2	114.1	143.3	92.0	78.7	1,136.4	CITY OF COTATI	44.1	544.7	588.8
OFF-PEAK CUSTOMERS														TOWN OF WINDSOR	520.7		520.7
2 Marin Municipal	321.6	479.2	466.8	502.1	466.2	681.9	785.3	592.9	477.8	576.3	531.5	763.8	6,645.6	CITY OF SONOMA		1,985.4	1,985.4
SURPLUS CUSTOMERS														VALLEY OF THE MOON DISTRICT		2,226.2	2,226.2
1 Irrigation-Santa Rosa Aq	1.2	0.2	0.6	5.0	4.4	5.7	8.0	5.6	3.5	2.0	0.9	0.3	37.5	TOTAL OTHER PRIME CONTRACTORS	586.5	17,046.3	4,211.5
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 DELIVERIES TO PRIMES	15,349.4	17,046.3	7,472.4
4 Irrigation-Sonoma Aq	2.0	2.1	2.9	3.2	3.9	6.5	8.6	10.2	7.1	7.3	4.3	2.9	60.9	LESS: NORTH MARIN		(6,784.6)	(6,784.6)
TOTAL SURPLUS CUST.	3.2	2.4	3.5	8.2	8.3	12.1	16.5	15.8	10.6	9.3	5.1	3.2	98.4	TOTAL SONOMA COUNTY DELIVERIES	15,349.4	10,261.7	7,472.4
TOTAL DELIVERIES	2,415.4	2,702.9	3,194.3	3,551.3	3,633.9	4,376.3	5,990.7	4,773.5	4,277.1	5,336.7	3,723.7	3,772.8	47,748.4				

FY 2021-22 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	39,209.5	685.92	26,894,512
2 OTHER AGENCY CUSTOMERS	1,015.5	1,196.18	1,214,695
3 MARIN MUNICIPAL (OFF-PEAK)	4,300.0	845.05	3,633,709
4 MARIN MUNICIPAL (SUPPLEMENTAL)	1,469.3	845.05	1,241,654
5 SURPLUS CUSTOMERS	101.0	858.71	86,689
TOTAL WATER SALES - O&M	46,095.3	N/A	\$33,071,259

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]	46,095.3	0.00	230
1b Watershed Planning/Restoration Sub-charge [4.14]	46,095.3	132.66	6,114,794
1c Recycled Water & Local Supply Sub-charge [4.15]	46,095.3	0.93	43,000
1d Water Conservation Sub-charge [4.16]	46,095.3	44.44	2,048,425
TOTAL WATER SALES - Subcharges	46,095.3	N/A	\$8,206,449

FY 2021-22 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	18,429.0	685.92	12,640,802

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]	18,429.0	0.00	92
1b Watershed Planning/Restoration Sub-charge [4.14]	18,429.0	132.66	2,444,713
1c Recycled Water & Local Supply Sub-charge [4.15]	18,429.0	0.93	17,192
1d Water Conservation Sub-charge [4.16]	18,429.0	44.44	818,966
TOTAL WATER SALES - Subcharges	18,429.0	N/A	\$3,280,963

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	18,429.0	20.00	368,581
<u>BOND AND LOAN CAPITAL CHARGES</u>			
Storage Facilities Capital Charge [4.7]	18,429.0	23.12	426,014
Common Facilities Capital Charge [4.8]	18,429.0	93.39	1,721,095
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	18,429.0	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	18,429.0	N/A	\$2,515,690

TOTAL ESTIMATED REVENUE

\$18,437,455

FY 2021-22 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	23,061.5	685.92	15,818,266

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]	23,061.5	0.00	115
1b Watershed Planning/Restoration Sub-charge [4.14]	23,061.5	132.66	3,059,230
1c Recycled Water & Local Supply Sub-charge [4.15]	23,061.5	0.93	21,513
1d Water Conservation Sub-charge [4.16]	23,061.5	44.44	1,024,826
TOTAL WATER SALES - Subcharges	23,061.5	N/A	\$4,105,684

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
<u>CAPITAL CHARGES</u>			
Aqueduct Facilities Capital Charges [4.6 e]	23,061.5	20.00	461,229
<u>BOND AND LOAN CAPITAL CHARGES</u>			
Storage Facilities Capital Charge [4.7]	23,061.5	23.12	533,099
Common Facilities Capital Charge [4.8]	23,061.5	93.39	2,153,719
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	23,061.5	0.00	0
TOTAL WATER SALES - Capital & Bond and Loan Charges	23,061.5	N/A	\$3,148,047

TOTAL ESTIMATED REVENUE

\$23,071,997

FY 2021-22 BUDGET

Water Transmission System Agency Fund

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

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - O&M			
1 SONOMA AQUEDUCT	4,200.6	685.92	2,881,267

Sub-Object 4175, 4176, 4177, and 4178

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
WATER SALES - Sub-charges			
1a Water Management Planning Sub-charge [4.13]	4,200.6	0.00	21
1b Watershed Planning/Restoration Sub-charge [4.14]	4,200.6	132.66	557,233
1c Recycled Water & Local Supply Sub-charge [4.15]	4,200.6	0.93	3,919
1d Water Conservation Sub-charge [4.16]	4,200.6	44.44	186,670
TOTAL WATER SALES - Subcharges	4,200.6	N/A	\$747,843

REVENUE CATEGORY	ESTIMATED ACRE FEET DELIVERED	ESTIMATED RATES	ESTIMATED REVENUE
CAPITAL CHARGES			
Aqueduct Facilities Capital Charges [4.6 e]	4,200.6	38.00	159,623
BOND AND LOAN CAPITAL CHARGES			
Storage Facilities Capital Charge [4.7]	4,200.6	23.12	97,103
Common Facilities Capital Charge [4.8]	4,200.6	93.39	392,296
Sonoma Aqueduct Facilities Capital Charges [4.6 b]	4,200.6	126.72	532,318
TOTAL WATER SALES - Capital & Bond and Loan Charges	4,200.6	N/A	\$1,181,340

TOTAL ESTIMATED REVENUE

\$4,810,450

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	10,923,333	18,302,676		7,523,711		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	440,828	165,750	165,750	36,000	(129,750)	(78.28%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(32,837)	(120,000)	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	407,991	45,750	165,750	36,000	(129,750)	(78.28%)

INTERGOVERNMENTAL REVENUES

42282 State CalOES Disaster Funding	75,313	0	0	0	0	N/A
42284 State Cal OES Admin Allowance	7,532	0	0	0	0	N/A
42358 State Other Funding	0	0	0	0	0	N/A
42441 Federal FEMA Disaster Funding	301,251	0	0	0	0	N/A
42443 Federal FEMA Admin Allowance	10,244	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	394,340	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	23,820	16,000	0	0	0	N/A
45301 Charges for Services	210,022	(108,000)	0	0	0	N/A
45314 Sale - Power	26,385	25,000	100,000	100,000	0	0.00%
45315 Sale - Water, Wholesale	28,865,328	30,167,874	30,167,874	33,071,259	2,903,385	9.62%
45316 Water Conservation	2,202,440	1,870,952	1,870,952	2,048,425	177,473	9.49%
45323 Common Fac Rev Bond Chg	3,102,444	3,545,690	3,545,690	3,529,049	(16,641)	(0.47%)
45324 Storage Fac Rev Bond Chg	1,065,782	797,136	797,136	785,991	(11,146)	(1.40%)
45325 Sonoma Aqueduct Rev Bond Chg	563,693	534,306	534,306	532,318	(1,988)	(0.37%)
45327 Santa Rosa Aqueduct Cap Chg	607,374	546,474	546,474	449,129	(97,345)	(17.81%)
45328 Petaluma Aqueduct Cap Chg	354,023	332,486	332,486	253,676	(78,810)	(23.70%)
45329 Sonoma Aqueduct Cap Chg	260,937	184,000	122,845	151,642	28,797	23.44%
45330 North Marin Rev Bond Chg	318,312	355,399	355,399	353,652	(1,747)	(0.49%)
45331 Water Mgmt Plan/Restore Chg	53,498	40,000	40,000	230	(39,770)	(99.43%)
45332 Watershed Plan/Restore Chg	4,830,925	5,128,067	5,128,067	6,114,794	986,727	19.24%
45333 Recycled Water & Local Supply	138,879	41,000	41,000	43,000	2,000	4.88%
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
SUBTOTAL	42,623,862	43,476,384	43,582,229	47,433,165	3,850,936	8.84%

Miscellaneous Revenues

46027 Insurance Claims Reimbursement	1,438,751	0	0	0	0	N/A
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Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
46029 Donations/Contributions	0	0	0	0	0	N/A
46040 Miscellaneous Revenue	6,206	5,000	0	0	0	N/A
46041 Discounts Earned	6	15	0	0	0	N/A
46050 Cancelled/Stale Dated Warrants	0	500	0	0	0	N/A
46200 Revenue Appl PY Misc Revenue	129,486	4,500	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	1,574,449	10,015	0	0	0	N/A
OTHER FINANCING SOURCES						
47002 Sale of Capital Assets	0	0	0	0	0	N/A
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	0
TOTAL REVENUES	45,000,641	43,532,149	43,747,979	47,469,165	3,721,186	8.51%

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	6,240	9,495	6,600	6,600	0	0.00%
51041 Insurance - Liability	0	11,000	11,000	11,000	0	0.00%
51061 Maintenance - Equipment	915,932	1,111,809	1,065,000	1,465,000	400,000	37.56%
51071 Maintenance - Bldg & Improve	1,366	0	0	0	0	N/A
51072 Landscaping Services	0	100,000	0	0	0	N/A
51077 Maint-Infrastructure	0	0	0	0	0	N/A
51083 VSP Premiums	0	220	220	220	0	0.00%
51205 Advertising/Marketing Svc	0	100	100	100	0	0.00%
51209 Information Tech Svc (non ISD)	120	1,500	1,500	1,500	0	0.00%
51211 Legal Services	13,179	11,500	11,500	12,000	500	4.35%
51212 Outside Counsel - Legal Advice	0	100,700	1,200	1,200	0	0.00%
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51226 Consulting Services	0	25,091	0	0	0	N/A
51230 Security Services	2,676	2,600	2,600	2,600	0	0.00%
51231 Testing/Analysis	124,332	145,000	125,000	135,000	10,000	8.00%
51241 Outside Printing and Binding	1,016	2,500	2,500	2,500	0	0.00%
51242 Bank Charges	30	50	50	50	0	0.00%
51244 Permits/License/Fees	109,031	90,000	65,000	90,000	25,000	38.46%
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	480,577	425,000	425,000	500,000	75,000	17.65%
51421 Rents and Leases - Bldg/Land	0	1,600	1,600	1,600	0	0.00%
51601 Training Services	3,160	18,000	18,000	18,000	0	0.00%
51602 Business Travel/Mileage	6,207	10,000	10,000	10,000	0	0.00%
51605 Private Car Expense	602	1,100	1,100	1,100	0	0.00%
51801 Other Services	0	10,000	10,000	10,000	0	0.00%
51803 Other Contract Services	2,771,055	11,607,726	6,503,910	5,876,645	(627,265)	(9.64%)
51902 Telecommunication Usage	43,278	85,000	85,000	85,000	0	0.00%

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
51911 Mail Services	137	150	150	150	0	0.00%
51917 District Operations Chgs	14,796,660	15,774,671	15,774,671	16,649,480	874,809	5.55%
51921 Equipment Usage Charges	859,329	950,000	950,000	900,000	(50,000)	(5.26%)
52021 Clothing, Uniforms, Personal	4,285	13,500	13,500	13,500	0	0.00%
52031 Food	269	700	700	700	0	0.00%
52041 Household Supplies Expense	0	300	300	300	0	0.00%
52042 Janitorial Supplies	231	1,000	1,000	1,000	0	0.00%
52061 Fuel/Gas/Oil	43,263	7,100	7,100	45,000	37,900	533.80%
52071 Materials and Supplies Expense	22,723	56,438	6,000	30,000	24,000	400.00%
52072 Chemicals	681,114	900,000	900,000	900,000	0	0.00%
52081 Medical/Laboratory Supplies	18,626	20,000	20,000	20,000	0	0.00%
52091 Memberships/Certifications	35,116	45,000	40,000	37,500	(2,500)	(6.25%)
52101 Other Supplies	0	30,000	30,000	0	(30,000)	(100.00%)
52111 Office Supplies	3,747	12,500	12,500	12,500	0	0.00%
52114 Freight/Postage	0	1,000	1,000	1,000	0	0.00%
52115 Books/Media/Subscriptions	1,119	500	500	500	0	0.00%
52117 Mail and Postage Supplies	1,207	5,500	1,500	1,500	0	0.00%
52141 Minor Equipment/Small Tools	99,377	155,150	155,000	150,000	(5,000)	(3.23%)
52142 Computer Equipment/Accessories	1,732	7,000	7,000	10,000	3,000	42.86%
52143 Computer Software/Licensing Fees	28,998	40,000	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	441	500	500	500	0	0.00%
52193 Utilities - Electric	3,264,531	3,500,000	3,500,000	3,500,000	0	0.00%
SUBTOTAL	24,341,706	35,291,000	29,808,301	30,543,745	735,444	2.47%
OTHER CHARGES						
53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other interest Expense	0	0	0	0	0	N/A
53401 Amortization Expense	3,433	54,000	54,000	54,000	0	0.00%
53402 Depreciation Expense	6,456,095	7,762,000	7,762,000	7,982,000	220,000	2.83%
53403 Loss - Disposed Capital Asset	0	0	0	0	0	N/A
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	0	0	0	0	0	N/A
53610 Other Charges	0	0	0	0	0	N/A
SUBTOTAL	6,459,527	7,816,000	7,816,000	8,036,000	220,000	2.81%
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	36,258	0	0	190,000	190,000	N/A
19841 Work in Progress - Intang	282	0	0	223,720	223,720	N/A
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	36,540	0	0	413,720	413,720	N/A

Section Title:

Water Transmission System Agency Fund

Fund/Department No:

44205

33040100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	13,292,244	19,020,113	12,990,358	15,554,939	2,564,581	19.74%
57012 Transfers Out - btw Govtl Fund	60,000	0	0	0	0	N/A
SUBTOTAL	13,352,244	19,020,113	12,990,358	15,554,939	2,564,581	19.74%
APPROP. FOR CONTINGENCIES						
55011 Appropriation for Contingency	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
REMIBURSEMENTS						
58010 Reimb. - General	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	0	0	0	0	0	N/A
59005 Admin Control Acct Clearing	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	44,190,017	62,127,113	50,614,659	54,548,404	3,933,745	7.77%
Adjustments to Reserves/Encumbrances:						
Depreciation	6,459,527	7,816,000		8,036,000		
Donated Asset (Caltrans)	0					
Outstanding Encumbrances - Net Change	115,506	0				
Capitalized Interest	0					
Gain/Loss on disposal of fixed assets	0					
Unrealized Gain/ Loss (GASB 31)	32,837					
Change in Prepaid Expense	25,671					
Change in Prudent Reserve						
Post audit adjustments - Payables	(64,822)					
Rounding	(1)					
ENDING FUND BALANCE	18,302,676	7,523,711		8,480,472		

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

7,739,366
741,106

Water Transmission System Agency Fund
Major Services & Supplies Expenditure Items

Fund/Department No:

44205

33040100

	Actual FY19-20	Adopted FY20-21	Requested FY21-22	Difference	Percent Change
<u>51061 Maintenance - Equipment</u>	915,932	1,065,000	1,465,000	400,000	37.6%
Increase for collector well pump and valve replacements and chlorine and pH projects to build system resiliency.					
<u>51211 Legal Services</u>	13,179	11,500	12,000	500	4.3%
Reflects five year average expenditures.					
<u>51231 Testing/Analysis</u>	124,332	125,000	135,000	10,000	8.0%
Increase due to fire-related water quality testing.					
<u>51803 Other Contract Services</u>	2,771,055	6,503,910	5,876,645	(627,265)	-9.6%
Decrease due to tank maintenance contracting delays and change in approach. Tank maintenance program will cost an estimated \$1 million per year (prior year budgets will roll forward). Recoat projects will be bid under separate contracts.					
<u>51917 District Operations Chgs</u>	14,796,660	15,774,671	16,649,480	874,809	5.5%
Increase attributable to increase in maintenance to build system resiliency (pumps, pipes, valves, chlorine and pH projects), and regional water supply resiliency, water quality studies, and emergency response planning and training.					
<u>51921 Equipment Usage Charges</u>	859,329	950,000	900,000	(50,000)	-5.3%
Reflects five year average expenditures.					
<u>52072 Chemicals</u>	681,114	900,000	900,000	0	0.0%
No increase anticipated over FY2020-2021 budget.					
<u>52141 Minor Equipment/Small Tools</u>	99,377	155,000	150,000	(5,000)	-3.2%
Reflects five year average expenditures.					
<u>52193 Utilities - Electric</u>	3,264,531	3,500,000	3,500,000	0	0.0%
No increase anticipated over FY2020-2021 budget.					

2021-22

Water Transmission System Agency Fund

51061	Maintenance - Equipment	AMOUNT
1	Cotati AQ Repair-Peterson Hole	70,000
2	Collector 3 Pump 6 Bowl Assembly	110,000
3	Collector 3 Pump 6 Column Set Assembly	310,000
4	Collector 5 Replacement Pump Control Valves	80,000
5	Dunbar Meter Vault Removal	20,000
6	Electrical Supplies and Maintenance Services	355,000
7	Groundwater Monitoring Instruments	25,000
8	Hardware and Miscellaneous Supplies	50,000
9	Mainline Valve Replacement	200,000
10	Pump and Pipeline Supplies and Maintenance Services	50,000
11	Riverfront Park Maintenance - Regional Parks	150,000
12	Santa Rosa Plain Well Monitoring Program (SW Wells)	25,000
13	WT Monitoring Well Pressure Transducers	20,000
		\$ 1,465,000

51803	Other Contract Services	AMOUNT
1	Aqueduct Condition Assessments	200,000
2	As-Needed Dive Services	50,000
3	Asset Management	300,000
4	Cathodic Protection - Maintenance	109,100
5	Cathodic Protection - SR/Cotati	3,120,045
6	Chlorine Systems Assessment for Mirabel and Wohler	200,000
7	Collector 3,5,6 Seismic Mitigation Planning	250,000
8	Crane and Hoist Inspection and Certification	50,000
9	Hazardous Materials Management	40,000
10	LHMP Program Planning	30,000
11	Maintenance Agreements	200,000
12	pH System Assessment and Update	200,000
13	SCADA Improvements	250,000
14	Sonoma Youth Ecology Corps	32,000
15	Water Transmission System Fire Related Vegetation Maintenan	200,000
16		
17	Community Outreach Program	10,000
18	Integrated Water Management Plan	
19	Bay Area	5,500
20	North Coast	75,000
21	Legislative Advocacy - Federal	95,000
22	Legislative Advocacy - State	45,000
23	North Bay Water Regional Outreach Coordination	25,000
24	Hydrography Study	15,000
25	Regional Water Supply Resiliency Study	175,000
26	RRIFR Mirabel Dam Salmonid Monitoring	25,000
27	Transmission System Monitoring Master Plan	125,000
28	Watershed and Riverbank Filtration Water Quality Studies	50,000
		\$ 5,876,645

51803 Other Contract Services Project Information**FY21-22****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**300,000**

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.

Cathodic Protection - SR/Cotati**3,120,045**

Provide improvements to upgrade/rehabilitate the cathodic protection system along the existing Santa Rosa Aqueduct and Russian River-Cotati Intertie. The project includes replacing the existing corrosion protection system with an impressed current corrosion protection system. These systems have a useful life of approximately 50 years and allow for remotely assessing the condition of the pipeline and adjusting the corrosion protection system as the pipeline properties change (soil and moisture characteristics surrounding the pipeline). The project will be constructed in two phases with a completed project that consists of 27 corrosion protection well sites and 51 test stations.

Collector 3,5,6 Seismic Mitigation Planning**250,000**

Develop and evaluate strategies to mitigate seismically-induced liquefaction and lateral spread vulnerabilities for collector wells in the Wohler and Mirabel area. Conduct geo-structural modeling analysis and risk assessment to identify project concepts that can be further evaluated for future implementation feasibility.

LHMP Program Planning**30,000**

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.

pH System Assessment and Update**200,000**

Upgrade the pumps and programmable logic controls in both Wohler and Mirabel caustic soda (pH) buildings, to make them more efficient and program-compatible with forthcoming electronic and supervisory control and data acquisition (SCADA) master plans. The pumps and programmable logic controls will replace existing equipment.

SCADA Improvements**250,000**

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.

SCADA team will also coordinate with Asset Management Team to achieve alignment between asset management and SCADA systems.

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.

51803 Other Contract Services Project Information**FY21-22****Regional Water Supply Resiliency Study****175,000**

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, such as a regional Water Evaluation and Planning System (WEAP) model, could be used to evaluate strategies and water supply projects that would make the region more resilient to future water shortages.

Transmission System Monitoring Master Plan**125,000**

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 and Riverbank Filtration Water Quality Studies**50,000**

Sonoma Water, in an effort to better understand the natural filtration process, has completed numerous Russian River aquifer research projects in the vicinity of its riverbank filtration facilities. This research has been conducted over approximately the past 15 years through various in-house studies as well as cooperative programs with other agencies including the US Geological Survey and Lawrence Berkeley National Laboratory. Sonoma Water wishes to develop a list of qualified firms to provide technical support as needed for these ongoing efforts.

DRAFT

FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Water Management Planning

Fund/Department No:

44210

33041000

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	633,917	685,080		478,041		
<u>REVENUES</u>						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	14,599	7,735	7,735	1,680	(6,055)	(78.28%)
44050 Unrealized Gains and Losses	(1,586)	(6,000)	0	0	0	N/A
SUBTOTAL	13,013	1,735	7,735	1,680	(6,055)	(78.28%)
<u>INTERGOVERNMENTAL REVENUE</u>						
42619 Town of Windsor	3,731	2,226	2,226	12	(2,214)	(99.45%)
SUBTOTAL	3,731	2,226	2,226	12	(2,214)	(99.45%)
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	53,499	40,000	40,000	230	(39,770)	(99.43%)
47102 Transfers In - btw Govtl Func	0	0	0	0	0	N/A
SUBTOTAL	53,499	40,000	40,000	230	(39,770)	(99.43%)
TOTAL REVENUES	70,243	43,961	49,961	1,922	(48,039)	(96.15%)
<u>EXPENDITURES</u>						
<u>SERVICES AND SUPPLIES</u>						
51205 Advertising Marketing	0	0	0	0	0	N/A
51211 Legal Services	0	1,000	0	0	0	N/A
51212 Legal Services - External	0	0	0	0	0	N/A
51241 Outside Printing & Binding	0	0	0	0	0	N/A
51601 Training/Conference Expenses	247	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	8,857	200,000	125,000	50,000	(75,000)	(60.00%)
51917 District Operations Chgs	20,236	50,000	50,000	30,000	(20,000)	(40.00%)
51921 Equipment Usage Charges	184	0	0	0	0	N/A
52171 Water Conservation Program	0	0	0	0	0	N/A
SUBTOTAL	29,524	251,000	175,000	80,000	(95,000)	(54.29%)
<u>OTHER CHARGES</u>						
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
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Func	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	29,524	251,000	175,000	80,000	(95,000)	(54.29%)
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	8,857	0		0		
Audit Adjustment (A/P)	0	0		0		
Unrealized Gain/ Loss (GASB 31)	1,586	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	685,080	478,041		399,963		

FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Watershed Planning/Restoration

Fund/Department No:

44215

33041100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	9,055,666	10,980,934		4,112,850		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	251,251	66,300	66,300	14,400	(51,900)	(78.28%)
44050 Unrealized Gains and Losses	(20,843)	(75,000)	0	0	0	N/A
SUBTOTAL	230,408	(8,700)	66,300	14,400	(51,900)	(78.28%)
INTERGOVERNMENTAL REVENUE						
42461 Federal Other Funding	20,459	75,000	75,000	75,000	0	0.00%
42619 Town of Windsor	336,954	285,341	285,341	322,618	37,277	13.06%
SUBTOTAL	357,413	360,341	360,341	397,618	37,277	10.34%
CHARGES FOR SERVICES						
45301 Charges for Services	0	0	0	0	0	N/A
45332 Watershed Plan/Restore Chg	43,758	45,000	40,000	40,000	0	0.00%
Subtotal Charges for Service	43,758	45,000	40,000	40,000	0	0.00%
MISCELLANEOUS REVENUE						
46021 Capital Grants - Federal	0	0	0	0	0	N/A
46029 Donations/Contributions	0	0	0	400,000	400,000	N/A
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46041 Discounts Earned	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated Warrant	500	0	0	0	0	N/A
46200 Revenue Appl PY Misc Reven	20,391	(20,391)	0	0	0	N/A
SUBTOTAL	20,891	(20,391)	0	400,000	400,000	N/A
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	4,831,047	5,128,067	5,128,067	6,114,794	986,727	19.24%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	4,831,047	5,128,067	5,128,067	6,114,794	986,727	19.24%
TOTAL REVENUES	5,483,517	5,504,317	5,594,708	6,966,812	1,372,104	24.53%
EXPENDITURES						
SERVICES AND SUPPLIES						
51021 Communication Expense	0	0	0	0	0	N/A
51061 Maintenance - Equipment	41,989	1,500	0	0	0	N/A
51205 Advertising Marketing	482	0	0	0	0	N/A
51209 Information Tech Svc (non ISD)	0	0	0	0	0	N/A
51211 Legal Services	8,929	2,500	0	0	0	N/A
51212 Legal Services - External	473	1,000	0	0	0	N/A
51221 Medical/Laboratory Services	0	0	0	0	0	N/A
51226 Consulting Services	0	22,762	0	0	0	N/A
51231 Testing/Analysis	44,845	52,900	0	0	0	N/A
51241 Outside Printing and Binding	69	0	0	0	0	N/A
51244 Permits/License/Fees	57,679	10,000	0	0	0	N/A
51401 Rents and Leases - Equipment	323	5,000	0	0	0	N/A
51601 Training/Conference	270	0	0	0	0	N/A
51602 Business Travel/Mileage	141	0	0	0	0	N/A
51605 Private Car Expense	897	2,000	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	1,442,927	5,775,055	4,436,000	3,904,405	(531,595)	(11.98%)

Section Title:

Watershed Planning/Restoration

Fund/Department No:

44215

33041100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
51902 Telecommunication Usage	472	300	0	0	0	N/A
51917 District Operations Chgs	1,878,571	2,864,484	2,146,067	2,359,250	213,183	9.93%
51921 Equipment Usage Charges	30,544	26,000	0	0	0	N/A
52021 Clothing, Uniforms, Personal	1,864	400	0	0	0	N/A
52031 Food	355	0	0	0	0	N/A
52042 Janitorial Supplies	0	0	0	0	0	N/A
52043 Safety Supplies/Equipment	0	0	0	0	0	N/A
52061 Fuel/Gas/Oil	0	0	0	0	0	N/A
52063 Vehicle Parts	0	0	0	0	0	N/A
52071 Materials and Supplies Expens	3,444	0	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	183	0	0	0	0	N/A
52114 Freight/Postage	703	0	0	0	0	N/A
52115 Books/Media	351	500	0	0	0	N/A
52117 Mail and Postage Supplies	30	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	9,636	0	0	0	0	N/A
52142 Computer Equipment/Accesso	65	0	0	0	0	N/A
52143 Computer Software	0	0	0	0	0	N/A
52181 Business Meals/Supplies	0	0	0	0	0	N/A
52191 Utilities Expense	0	0	0	0	0	N/A
SUBTOTAL	3,525,241	8,764,401	6,582,067	6,263,655	(318,412)	(4.84%)
OTHER CHARGES						
53104 Other Interest Expense	0	0	0	0	0	N/A
53402 Depreciation Expense	12,050	16,000	16,000	8,000	(8,000)	(50.00%)
53501 Contributions	0	0	0	0	0	N/A
SUBTOTAL	12,050	16,000	16,000	8,000	(8,000)	(1)
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	233,163	3,600,000	2,495,000	1,022,139	(1,472,861)	
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	233,163	3,600,000	2,495,000	1,022,139	(1,472,861)	(1)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	3,770,454	12,380,401	9,093,067	7,293,794	(1,799,273)	(19.79%)
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	311,763	0				
Capital Interest	0	0				
Depreciation	12,050	8,000		8,000		
Change in prepaid expense	333	0				
Unrealized Gain/ Loss (GASB 31)	20,843	0				
Audit Adjustment (A/P)	(132,783)	0				
Rounding	(1)	0				
ENDING FUND BALANCE	10,980,934	4,112,850		3,793,868		

FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Recycled Water and Local Supply

Fund/Department No:

44220

33041200

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	407,407	212,245		167,101		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	14,206	16,575	16,575	480	(16,095)	(97.10%)
44050 Unrealized Gains and Losses	(3,831)	(7,700)	0	0	0	N/A
SUBTOTAL	10,375	8,875	16,575	480	(16,095)	(97.10%)
INTERGOVERNMENTAL REVENUE						
42358 State Other Funding	0	0	0	0	0	N/A
42619 Town of Windsor	9,687	2,281	2,281	2,269	(12)	(0.54%)
SUBTOTAL	9,687	2,281	2,281	2,269	(12)	(0.54%)
CHARGES FOR SERVICES						
45301 Charges for Services	0	0	0	0	0	N/A
45333 Recycled Water & Local Supply	0	0	0	0	0	N/A
45401 Revenue Appl PY Chgs for Svcs	0	0	0	0	0	N/A
SUBTOTAL	0	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	138,882	41,000	41,000	43,000	2,000	4.88%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	138,882	41,000	41,000	43,000	2,000	4.88%
TOTAL REVENUES	158,944	52,156	59,856	45,749	(14,107)	(23.57%)

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	5,993	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	0	15,000	15,000	15,000	0	0.00%
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 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	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	5,993	15,000	15,000	15,000	0	0.00%
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	373,785	80,000	80,000	80,000	0	0.00%
SUBTOTAL	379,751	86,000	86,000	86,000	0	0.00%
FIXED ASSETS						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	0	2,300	0	0	0	N/A
19841 Work in Progress - Intang	0	0	0	0	0	N/A
SUBTOTAL	0	2,300	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	385,744	103,300	101,000	101,000	0	0.00%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change	65,033	0				
Change in Windsor Reserve	(43,192)	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)	3,831	0		0		
Rounding	0	0				
ENDING FUND BALANCE	212,245	167,101		117,850		

FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Water Conservation

Fund/Department No:

44225

33041300

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
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BEGINNING FUND BALANCE	1,319,002	1,340,818		902,304		
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REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	38,755	16,575	16,575	3,360	(13,215)	(79.73%)
44050 Unrealized Gains and Losses	(3,309)	(11,000)	0	0	0	N/A
SUBTOTAL	35,446	5,575	16,575	3,360	(13,215)	(79.73%)

INTERGOVERNMENTAL REVENUE

42358 State Other Funding	116,305	389,943	283,148	592,575	309,427	109.28%
42461 Federal Other Funding	0	0	0	0	0	N/A
42610 Other Governmental Agencies	0	0	0	0	0	N/A
42611 City of Santa Rosa	0	0	0	0	0	N/A
42612 City of Petaluma	0	0	0	0	0	N/A
42613 City of Rohnert Park	0	0	0	0	0	N/A
42615 City of Cotati	0	0	0	0	0	N/A
42618 City of Sonoma	0	0	0	0	0	N/A
42619 Town of Windsor	153,619	104,105	104,105	108,075	3,970	3.81%
42621 North Marin Water District	0	0	0	0	0	N/A
SUBTOTAL	269,924	494,048	387,253	700,650	313,397	80.93%

Charges for Services

45301 Charges for Services	55,325	15,000	15,000	37,000	22,000	146.67%
45316 Water Conservation	20,000	20,000	0	0	0	N/A
SUBTOTAL	75,325	35,000	15,000	37,000	22,000	146.67%

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	90,000	90,000	380,000	290,000	322.22%
46040 Miscellaneous Revenue	0	0	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	11,585	0	0	0	0	N/A
46204 PY Intergovmntl Rev - Other	0	1	0	0	0	N/A
46215 Other Grants	0	0	0	0	0	N/A
SUBTOTAL	11,585	90,001	90,000	380,000	290,000	322.22%

OTHER FINANCING SOURCES

47101 Transfers In - within a Fund	2,202,495	1,870,952	1,870,952	2,048,425	177,473	9.49%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	2,202,495	1,870,952	1,870,952	2,048,425	177,473	9.49%

TOTAL REVENUES

2,594,776 2,495,576 2,379,780 3,169,435 789,655 33.18%

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	700	3,000	0	0	0	N/A
51205 Advertising/Marketing Svc	25,190	50,000	0	0	0	N/A
51209 Information Tech Svc (non ISD)	531	150	0	0	0	N/A
51211 Legal Services	3,657	3,300	0	0	0	N/A

Section Title:

Water Conservation

Fund/Department No:

44225

33041300

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
51214 Agency Extra/Temp Help	0	0	0	0	0	N/A
51225 Training Services	0	1,000	0	0	0	N/A
51230 Security Services	0	220	0	0	0	N/A
51241 Outside Printing and Binding	17,993	60,000	60,000	53,500	(6,500)	(10.83%)
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	92	200	0	0	0	N/A
51601 Training Services	3,214	6,200	0	0	0	N/A
51602 Business Travel/Mileage	675	0	13,000	13,000	0	0.00%
51605 Private Car Expense	659	1,000	0	0	0	N/A
51801 Other Services	0	0	0	0	0	N/A
51803 Other Contract Services	156,469	343,510	334,100	585,800	251,700	75.34%
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	1,672,192	1,560,000	1,560,000	1,900,000	340,000	21.79%
51921 Equipment Usage Charges	9,375	8,000	0	0	0	N/A
52021 Clothing, Uniforms	50	200	0	0	0	N/A
52031 Food	1,124	800	0	0	0	N/A
52042 Janitorial Supplies	0	0	0	0	0	N/A
52061 Fuel/Gas/Oil	0	0	0	0	0	N/A
52071 Materials and Supplies Expense	40,763	75,000	75,000	75,000	0	0.00%
52091 Memberships/Certifications	15,594	12,000	12,000	12,000	0	0.00%
52101 Other Supplies	0	0	0	0	0	N/A
52111 Office Supplies	1,262	1,200	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	674	0	0	0	0	N/A
52117 Mail and Postage Supplies	216	0	0	0	0	N/A
52141 Minor Equipment/Small Tools	24,544	0	0	0	0	N/A
52142 Computer Equipment/Accessories	0	500	0	0	0	N/A
52162 Special Department Expense	0	0	0	0	0	N/A
52171 Water Conservation Program	135,145	701,364	470,000	379,000	(91,000)	(19.36%)
52181 Business Meals/Supplies	0	0	0	0	0	N/A
SUBTOTAL	2,110,117	2,827,644	2,524,100	3,018,300	494,200	19.58%
OTHER CHARGES						
53500 Contributions Non-County Agy	0	0	0	0	0	N/A
53501 Contributions	0	0	0	556,700	556,700	N/A
SUBTOTAL	0	0	0	556,700	556,700	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	2,110,117	2,827,644	2,524,100	3,575,000	1,050,900	41.63%
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Chan	(333,249)	0		0		
Change in Windsor Reserve	(133,015)	(106,446)		0		
Change in Prepaid Expense	110	0		0		
Unrealized Gain/ Loss (GASB 31)	3,309	0		0		
Rounding	2	0		0		
ENDING FUND BALANCE	1,340,818	902,304		496,740		

Water Transmission Budget

2021-22

Itemized Detail for Subfunds Consulting/Contractual Services

Budget
FY21-22

Water Management Planning

Water Demand Analysis/ Financial Modeling: Develop scope, cost, energy requests, and schedule of transmission system projects required to meet Sonoma Water's portion of UWMP-identified projected demands through the Urban Water Management planning horizon. Projects will be identified using Sonoma Water's transmission system hydraulic model. Next UWMP due July 1, 2021.	\$ 25,000
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Watershed Planning/Restoration

<u>RRIFR Decision 1610 Change Petition:</u> Russian River Flows: Assist in preparation of draft 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, hydroelectric analysis, water quality monitoring, climate change modeling (USGS), EIR, and hydrologic index evaluation 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 FY19/20, work was focused on preparation of Draft EIR for recirculation, including modeling updates. In FY20/21, 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 the State Board TUC Order. Compared to FY20-21, the Decision 1610 Change Petition budget has increased \$156,000. The increase is attributable to the anticipated level of effort to prepare the recirculated Draft EIR and a Final EIR. Work anticipated for FY21-22 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.	\$ 288,000
<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 extensive surveys of estuary invertebrates; conduct juvenile steelhead and coho salmon rearing surveys, and prepare annual reports. Other FY19/20 and FY20/21 activities include installation and monitoring of downstream migrant salmonid traps and water quality monitoring stations, and flood risk feasibility studies. Compared to FY20-21, the Estuary Management budget has increased approximately \$90,000. The increase is attributable to level of staff effort anticipated for monitoring and for purchase and replacement of equipment related to fisheries monitoring, Work anticipated for FY21-22 includes preparation of the annual adaptive management plan and continuation of required monitoring and studies.	\$ 330,000
<u>Upper Russian River Water Quality Monitoring:</u> This water quality monitoring was conducted in FY19-20 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, and the Forecast Informed Reservoir Operations (FIRO) projects. Monitoring included the deployment of datasondes and collection of grab samples, as well as laboratory analysis. The budget has decreased \$46,000 due to changes in field data collection and analysis. Work anticipated for FY21-22 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 FY20-21, the budget for FY21-22 remains the same for this activity. Work	\$ 14,000

2/25/2021

Water Transmission Budget

2021-22

Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY21-22
<u>Landscape Resiliency:</u> Build fire landscape resiliency through vegetation management at Lake Sonoma to protect source water quality in partnership with the U.S. Army Corps and with offsetting matching revenue from PGE Settlement Funds.	\$ 400,000
	\$ 655,000
<u>Recycled Water and Local Supply</u>	
Funding for Groundwater Management in FY 20/21 for Groundwater Sustainability activities.	\$ 80,000
	\$ 80,000
<u>Water Conservation</u>	
<u>51241-Outside Printing and Binding</u>	
WUE Program materials, water education calendar, and Green Business Program brochures, Garden Sense materials, Russian River Friendly Workshop	\$ 53,500
<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 Resilience Challenge: Event provides training and local workshops to promote water use efficiency	\$ -
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: Local instructors to teach QWEL trainings and Database maintenance contract	\$ 33,000
Sonoma County Fair: Materials and hardware that are WUE focused for distribution at the Sonoma County fair	\$ 15,000
Sonoma Marin Saving Water Partnership Website: Website hosting and maintenance	\$ 24,000
Water Education Bus Contract to shuttle kids from school to field study sites	\$ 41,800
Water Loss Programs: Technical assistance for regional water loss meetings and supply meter assessment and testing plan, Prop 1 grant for leakage component analysis.	\$ 50,000
	\$ 253,800

2/25/2021

Water Transmission Budget

2021-22

Itemized Detail for Subfunds Consulting/Contractual Services

	Budget FY21-22
<u>51917-District Operations Chgs</u>	
Salaries, benefits and overhead costs for staff assigned to projects budgeted within the Water Conservation Fund.	\$ 1,900,000
<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, Garden Sense funding provides onsite visits by local master gardeners to support local turf removal programs, Community Resilience Challenge event provides training and local workshops to promote water use efficiency; Plant labeling Program, Russian River Friendly Workshops, etc.	\$ 15,000
Public Information/Outreach Programs: Media campaign for the Sonoma-Marin Saving Water Partnership including media ad buy, ad development, DIY toolkits.	\$ 163,000
Rainwater Harvesting Rebates: Prop 1 grant for rebate program for installation of rainwater harvesting cisterns.	\$ 31,000
Saving Water Partnership Wholesaler Support: Act as the regional liaison attend meetings of the CalWEP Board, Alliance for Water Efficiency, Independent Technical Panel, Urban Advisory Group, CA Science Teachers Association, environmental education conference, Fire Rebuild.	\$ 35,000
School Education Program: Such as assembly program, port-a-potties, steelhead in the classroom program, youth outreach events, teacher program, English as a second language program, educational workbooks, maps.	\$ 70,000
Seminars, Workshops, Training: Host trainings/ workshops to benefit the Partnership, such as Water Loss, WELO; Participation in national/ statewide studies such as Turf Transformation Study.	\$ 50,000
Smart Controller Program: The smart controller program is a new incentive program through the Sonoma-Marin Saving Water Partnership. The program will offer smart controllers to customers of participating agencies at a reduced price. Funding for the program will come directly from members of the Partnership (contractors) that offer the program to their customers. Sonoma Water is coordinating the program and will receive invoices from the vendor. In turn, Sonoma Water will invoice the agencies using the program. As such, the majority of the costs incurred through the program will be offset by revenue received from participating contractors.	\$ 15,000
	\$ 379,000
Total	\$ 2,686,300

2/25/2021

FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:
Fund/Department No:

Santa Rosa Aqueduct Capital Fund	
44230	33045000

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	7,304,567	7,881,399		954,278		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	151,836	55,250	55,250	26,400	(28,850)	(52.22%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Los	(17,328)	(45,000)	0	0	0	N/A
SUBTOTAL	134,508	10,250	55,250	26,400	(28,850)	(52.22%)
MISCELLANEOUS REVENUES						
46040 Miscellaneous Revenue	0	0	0	0	0	N/A
46021 Capital Grants - Federal	104,503	2,400,000	2,400,000	0	(2,400,000)	(100.00%)
46029 Donations/Contributions	0	0	0	0	0	N/A
46050 Cancelled/Stale Dated V	0	128	0	0	0	N/A
SUBTOTAL	104,503	2,400,128	2,400,000	0	(2,400,000)	(100.00%)
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	607,374	546,474	546,474	449,129	(97,345)	(17.81%)
47102 Transfers In - btw Govtl	0	0	0	0	0	N/A
SUBTOTAL	607,374	546,474	546,474	449,129	(97,345)	(17.81%)
SPECIAL ITEMS						
48004 Residual Equity Transfe	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	846,385	2,956,852	3,001,724	475,529	(2,526,195)	(84.16%)

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	448,759	9,883,972	9,544,565	800,000	(8,744,565)	(91.62%)
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 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
19851 Intangible Assets - Non-	0	0	0	0		
SUBTOTAL	448,759	9,883,972	9,544,565	800,000	(8,744,565)	(91.62%)
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	448,759	9,883,972	9,544,565	800,000	(8,744,565)	(91.62%)

Adjustments to Reserves/Encumbrances:

Repayment of Loan to Storage	0	0	0
Unrealized Gain/ Loss (GASB 31)	161,880	0	0
Capitalized Interest	17,328	0	0
Rounding	(2)	0	0

ENDING FUND BALANCE	7,881,399	954,278	629,808
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**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Petaluma Aqueduct Capital Fund

Fund/Department No:

44235

33045100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
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BEGINNING FUND BALANCE	8,404,890	8,064,692		6,906,770		
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REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	170,132	55,250	55,250	33,120	(22,130)	(40.05%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(20,863)	(50,000)	0	0	0	N/A
SUBTOTAL	149,269	5,250	55,250	33,120	(22,130)	(40.05%)

MISCELLANEOUS REVENUE

46021 Capital Gains - Federal	54,336	220,000	0	0	0	N/A
SUBTOTAL	54,336	220,000	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	354,023	332,486	332,486	253,676	(78,810)	(23.70%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	354,023	332,486	332,486	253,676	(78,810)	(23.70%)
TOTAL REVENUES	557,628	557,736	387,736	286,796	(100,940)	(26.03%)

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	540,399	1,708,658	64,845	202,411	137,566	212.15%
19840 Work in Progress - Eqt	0	0	0	0	0	N/A
19841 Work in Progress - Intang	0	7,000	0	0	0	N/A
19851 Intangible Assets - Non-amort	0	0	0	0		
SUBTOTAL	540,399	1,715,658	64,845	202,411	137,566	212.15%

Section Title:
Fund/Department No:

Petaluma Aqueduct Capital Fund

44235

33045100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	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	540,399	1,715,658	64,845	202,411	137,566	212.15%
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	(312,407)	0		0		
Donated Asset	(65,883)	0		0		
Unrealized Gain/ Loss (GASB 31)	20,863	0		0		
Rounding	(1)					
ENDING FUND BALANCE	8,064,692	6,906,770		6,991,155		

FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Sonoma Aqueduct Capital Fund

Fund/Department No:

44240

33045200

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	1,535,363	605,188		165,060		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	32,238	24,000	2,210	480	(1,730)	(78.28%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(779)	(10,000)	0	0	0	N/A
SUBTOTAL	31,459	14,000	2,210	480	(1,730)	(78.28%)
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	3,260,937	622,845	622,845	351,642	(271,203)	(43.54%)
47102 Transfers In - btw Govtl Func	0	0	0	0	0	N/A
SUBTOTAL	3,260,937	622,845	622,845	351,642	(271,203)	(43.54%)
SPECIAL ITEMS						
48004 Residual Equity Transfers	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	3,292,396	636,845	625,055	352,122	(272,933)	(43.67%)
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	639,590	1,016,973	627,000	50,000	(577,000)	(92.03%)
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	639,590	1,016,973	627,000	50,000	(577,000)	(92.03%)
OTHER FINANCING USES						
57011 Transfers Out - within a Func	0	60,000	0	0	0	N/A
SUBTOTAL	0	60,000	0	0	0	N/A
TOTAL EXPENDITURES	639,590	1,076,973	627,000	50,000	(577,000)	(92.03%)

Section Title:

Sonoma Aqueduct Capital Fund

Fund/Department No:

44240

33045200

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
Adjustments to Reserves/Encumbrances:						
Outstanding Encumbrances - Net Change (3,583,760)		0		0		
Sale or Purchase of Fixed Asset	0	0		0		
Unrealized Gain/ Loss (GASB 31)	779	0		0		
Rounding	0	0		0		
ENDING FUND BALANCE	605,188	165,060		467,182		

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FY 2021-22 BUDGET BEGINNING AND ENDING CASH SUMMARY

Section Title:

Storage Facilities

Fund/Department No:

44250

33043000

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	406,047	815,319		14,078		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	9,135	5,000	0	0	0	N/A
44050 Unrealized Gains & Losses	3,482	(2,500)	0	0	0	N/A
SUBTOTAL	12,618	2,500	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	475,000	150,000	150,000	120,000	(30,000)	(20.00%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	475,000	150,000	150,000	120,000	(30,000)	(20.00%)
TOTAL REVENUES	487,618	152,500	150,000	120,000	(30,000)	(20.00%)
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	2,784,343	0	0	0	0	
SUBTOTAL	2,784,343	0	0	0	0	N/A
<u>FIXED ASSETS</u>						
19831 CIP - Bldg & Impr	0	0	0	0	0	N/A
19832 CIP - Infrastructure	44,174	836,414	100,000	25,000	(75,000)	(75.00%)
19841 Acq-WIP-Intangibles	53,994	117,327	50,000	0	(50,000)	(100.00%)
19851 Intangible Assets - Non-amort	0	0	0	0	0	N/A
SUBTOTAL	98,168	953,741	150,000	25,000	(125,000)	(83.33%)

Section Title:

Storage Facilities

Fund/Department No:

44250

33043000

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	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	2,882,511	953,741	150,000	25,000	(125,000)	(83.33%)
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	23,305	0		0		
PY CIP adjustment - reclass to PY Exp	0	0		0		
B & I Tsfrs	0	0		0		
LTD Proceeds	0	0		0		
Capitalized Interest	0	0		0		
Move Project CIP Balance	0	0		0		
Gain/loss on disposal of Capital Assets	2,784,343	0		0		
Unrealized Gain/ Loss (GASB 31)	(3,482)	0		0		
PY Encumbrances	0	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	815,319	14,078		109,078		

FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title:

Common Facilities

Fund/Department No:

44260

33043200

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	1,519,355	9,688,314		6,976,337		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	31,148	60,000	22,100	4,800	(17,300)	(78.28%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains & Losses	(8,724)	(10,000)	0	0	0	N/A
SUBTOTAL	22,424	50,000	22,100	4,800	(17,300)	(78.28%)
<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	229,262	5,531,575	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 Revenue Appl PY Misc Revenu	1,475	0	0	0	0	N/A
SUBTOTAL	230,737	5,531,575	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	9,733,600	7,436,216	361,401	1,946,689	1,585,288	438.65%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	9,733,600	7,436,216	361,401	1,946,689	1,585,288	438.65%
TOTAL REVENUES	9,986,761	13,017,791	383,501	1,951,489	1,567,988	408.86%

EXPENDITURES

OTHER CHARGES

53103 Interest on LT Debt	0	0	0	0	0	N/A
53104 Other Interest Expense	0	0	0	0	0	N/A
53403 Loss - Disposed Capital Asset	1,257	0	0	0	0	N/A
SUBTOTAL	1,257	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	1,816,130	14,229,768	1,961,401	7,846,689	5,885,288	300.06%
19840 Acq-WIP-Equipment	0	0	0	500,000	500,000	N/A

Section Title:

Common Facilities

Fund/Department No:

44260

33043200

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
19841 Work in Progress - Intang	0	875,000	250,000	250,000	0	0.00%
19851 Intangible Assets - Non-amort	0	625,000	0	0	0	N/A
SUBTOTAL	1,816,130	15,729,768	2,211,401	8,596,689	6,385,288	288.74%
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	1,817,387	15,729,768	2,211,401	8,596,689	6,385,288	288.74%

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	(10,396)	0	0
Capitalized Interest	0	0	0
Gain/loss on disposal of Capital Assets	1,257	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 - Payables	0	0	0
Unrealized Gain/ Loss (GASB 31)	8,724	0	0
Rounding	0	0	0

ENDING FUND BALANCE	9,688,314	6,976,337	331,137
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FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY

Section Title: North Marin Water Deposit

Fund/Department No: 44300 33045300

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	13,946	69,623		74,423		

REVENUES

USE OF MONEY / PROPERTY

44002 Interest on Pooled Cash	366	5,000	371	81	(290)	(78.26%)
44050 Unrealized Gains and Losses	(44)	(200)	0	0	0	N/A
SUBTOTAL	321	4,800	371	81	(290)	(78.26%)

Intergovernmental Revenue

42610 Other Governmental Agencies	1,106,216	1,106,216	0	0	0	N/A
SUBTOTAL	1,106,216	1,106,216	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	1,106,537	1,111,016	371	81	(290)	(78.26%)
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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	1,106,216	0	0	0	N/A
SUBTOTAL	0	1,106,216	0	0	0	N/A

TOTAL EXPENDITURES	0	1,106,216	0	0	0	N/A
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Adjustments to Reserves/Encumbrances:

Unrealized Gain/ Loss (GASB 31)	44	0
Post Audit Adjustment	(1,050,905)	0
Rounding	1	0

ENDING FUND BALANCE	69,623	74,423	74,504
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**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

State Loan Debt Service Fund

Fund/Department No:

44265

33047000

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	\$286,519	\$452,500		\$441,678		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	21,343	15,470	15,470	1,920	(13,550)	(87.59%)
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(1,818)	(10,000)	0	0	0	N/A
SUBTOTAL	19,525	5,470	15,470	1,920	(13,550)	(87.59%)
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	1,196,268	1,196,267	1,196,267	1,196,267	0	0.00%
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,196,268	1,196,267	1,196,267	1,196,267	0	0.00%
TOTAL REVENUES	1,215,793	1,201,737	1,211,737	1,198,187	(13,550)	(1.12%)
EXPENDITURES						
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	224,175	201,220	201,220	177,619	(23,601)	(11.73%)
SUBTOTAL	224,175	201,220	201,220	177,619	(23,601)	(11.73%)
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	0	150,000	150,000	120,000	(30,000)	(20.00%)
SUBTOTAL	0	150,000	150,000	120,000	(30,000)	(20.00%)
<u>ADMIN. CONTROL ACCOUNT</u>						
59002 Advances	816,057	839,012	839,012	862,613	23,601	2.81%
59003 Advances Clearing	(816,057)	(839,012)	(839,012)	(862,613)	(23,601)	2.81%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	224,175	351,220	351,220	297,619	(53,601)	(15.26%)
Adjustments to Reserves/Encumbrances:						
Principal payments on loan	(827,455)	0				
(Increase) / Decrease in Principal Payable	0	(839,012)		(839,012)		
Advances from Other Govt	1,818	(22,328)		(22,328)		
Unrealized Gain/ Loss (GASB 31)	0	0		0		
Rounding	0	1		0		
ENDING FUND BALANCE	\$452,500	\$441,678		\$480,906		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title: State Loan Reserve Fund

Fund/Department No: 44270 33047100

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	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	(3,396)	0	0	0	0	N/A
SUBTOTAL	(3,396)	0	0	0	0	N/A
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL REVENUES	(3,396)	0	0	0	0	N/A
EXPENDITURES						
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	0	0	0	0	0	N/A
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	0	0	0	0	0	N/A
Adjustments to Reserves/Encumbrances:						
Increase in Reserve	0	0		0		
Unrealized Gain/ Loss (GASB 31)	3,396	0				
Rounding	0	0				
ENDING FUND BALANCE	(\$0)	(\$0)		(\$0)		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bond - 2012A

Fund/Department No:

44280

33047300

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	\$172,351	\$158,191		\$31,586		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	4,053	332	332	96	(236)	(71.08%)
44003 Other Interest Earnings	3,975	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(151)	(1,500)	0	0	0	N/A
SUBTOTAL	7,876	(1,168)	332	96	(236)	(71.08%)
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	310,043	310,610	310,610	309,610	(1,000)	(0.32%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	310,043	310,610	310,610	309,610	(1,000)	(0.32%)
TOTAL REVENUES	317,919	309,442	310,942	309,706	(1,236)	(0.40%)
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
51242 Bank Charges	863	1,000	1,000	1,000	0	0.00%
SUBTOTAL	863	1,000	1,000	1,000	0	0.00%
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	93,462	86,698	86,698	79,623	(7,075)	(8.16%)
53104 Other Interest Expense	(4,781)	86,698	5,526	5,526	0	0.00%
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	88,682	173,396	92,224	85,149	(7,075)	(7.67%)
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	65,000	80,000	80,000	50,000	(30,000)	(37.50%)
SUBTOTAL	65,000	80,000	80,000	50,000	(30,000)	(37.50%)
<u>ADMIN. CONTROL ACCOUNT</u>						
59004 Administrative Control Account	169,114	176,871	176,871	183,077	6,206	3.51%
59005 Admin Control Acct Clearing	(169,114)	(176,871)	(176,871)	(183,077)	(6,206)	3.51%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	154,544	254,396	173,224	136,149	(37,075)	(21.40%)
Adjustments to Reserves/Encumbrances:						
Principal payments on bonds	(169,114)	(176,871)		(183,077)		
Restricted cash with trustee (reserve)	0					
Debt Issuance Costs						
(Increase) / Decrease in Bonds Payable	0					
Amortization of bond discount	(10,307)	(10,307)		(10,307)		
Amortization of deferred amount of refunding	5,526	5,526		5,526		
Changed in Reserved Fund Balance	(3,792)					
Unrealized Gain/ Loss (GASB 31)	151					
Rounding	1					
ENDING FUND BALANCE	\$158,191	\$31,586		\$17,285		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds - 2012 A

Fund/Department No:

44275

33047200

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEG. FUND BALANCE	\$252,874	\$324,325		\$314,233		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	5,907	2,000	884	1,440	556	62.90%
44003 Other Interest Earnings	5,566	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(240)	(2,200)	0	0	0	N/A
SUBTOTAL	11,233	(200)	884	1,440	556	62.90%
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	434,081	435,105	435,105	433,705	(1,400)	(0.32%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	434,081	435,105	435,105	433,705	(1,400)	(0.32%)
TOTAL REVENUES	445,314	434,905	435,989	435,145	(844)	(0.19%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,120	1,500	1,500	1,500	0	0.00%
SUBTOTAL	1,120	1,500	1,500	1,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	130,871	121,400	121,400	111,493	(9,907)	(8.16%)
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	124,226	129,187	129,187	119,280	(9,907)	(7.67%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	60,000	60,000	0	(60,000)	(100.00%)
SUBTOTAL	0	60,000	60,000	0	(60,000)	(100.00%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	236,803	247,665	247,665	256,355	8,690	3.51%
59005 Admin Control Acct Clearing	(236,803)	(247,665)	(247,665)	(256,355)	(8,690)	3.51%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	125,346	190,687	190,687	120,780	(69,907)	(36.66%)
Adjustments to Reserves/Encumbrances:						
Principal payments on bonds	(236,803)	(247,665)		(256,355)		
(Increase) / Decrease in Bonds Payable	0	0		0		
Restricted cash with trustee (reserve)	(5,308)	0		0		
Amortization of bond discount	0	0		0		
Amortization of bond premium	(14,432)	(14,432)		(14,432)		
Amortization of deferred amount of refunding	7,787	7,787		7,787		
Unrealized Gain/ Loss (GASB 31)	240	0		0		
Rounding	(2)			0		
ENDING FUND BALANCE	\$324,325	\$314,233		\$365,598		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2012

Fund/Department No:

44285

33047400

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	\$246,939	\$191,180		\$228,342		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	5,451	1,326	1,326	960	(366)	(27.60%)
44003 Other Interest Earnings	3,269	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(380)	(2,100)	0	0	0	N/A
SUBTOTAL	8,340	(774)	1,326	960	(366)	(27.60%)
<u>OTHER FINANCING SOURCES</u>						
47101 Transfers In - within a Fund	255,341	255,705	255,705	254,884	(821)	(0.32%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	255,341	255,705	255,705	254,884	(821)	(0.32%)
TOTAL REVENUES	263,681	254,931	257,031	255,844	(1,187)	(0.46%)
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
51242 Bank Charges	752	1,000	1,000	1,000	0	0.00%
SUBTOTAL	752	1,000	1,000	1,000	0	0.00%
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	76,866	71,303	71,303	65,485	(5,818)	(8.16%)
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	72,974	75,888	75,888	70,070	(5,818)	(7.67%)
<u>OTHER FINANCING USES</u>						
57011 Transfers Out - within a Fund	100,000	0	0	0	0	N/A
SUBTOTAL	100,000	0	0	0	0	N/A
<u>ADMIN. CONTROL ACCOUNT</u>						
59004 Administrative Control Account	139,084	145,464	145,464	150,568	5,104	3.51%
59005 Admin Control Acct Clearing	(139,084)	(145,464)	(145,464)	(150,568)	(5,104)	3.51%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	173,726	76,888	76,888	71,070	(5,818)	(7.57%)
Adjustments to Reserves/Encumbrances:						
(Increase)/Decrease in Bonds Payable						
Principal Payments on Bonds	(139,084)	(145,464)		(150,568)		
Amortization of bond discount	(8,477)	0		0		
Change in Reserved Fund Balance	(3,118)	0		0		
Capitalized Interest	0	0		0		
Amortization of deferred amount of refund	4,584	4,584		4,584		
Unrealized Gain/ Loss (GASB 31)	380	0		0		
Rounding	1	(1)		0		
ENDING FUND BALANCE	\$191,180	\$228,342		\$267,132		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Storage Facilities Revenue Bonds 2015

Fund/Department No:

44290

33047500

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	\$452,144	\$328,549		\$109,035		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	10,782	2,000	663	432	(231)	(34.84%)
44003 Other Interest Earnings	9,737	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(2,640)	(7,000)	0	0	0	N/A
SUBTOTAL	17,879	(5,000)	663	432	(231)	(34.84%)
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	713,766	486,527	486,527	476,381	(10,146)	(2.09%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	713,766	486,527	486,527	476,381	(10,146)	(2.09%)
TOTAL REVENUES	731,645	481,527	487,190	476,813	(10,377)	(2.13%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,153	1,500	1,500	1,500	0	0.00%
SUBTOTAL	1,153	1,500	1,500	1,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	194,548	187,568	187,568	169,141	(18,427)	(9.82%)
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	183,079	192,626	192,626	174,199	(18,427)	(9.57%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	410,000	70,000	70,000	70,000	0	0.00%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	410,000	70,000	70,000	70,000	0	0.00%
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	579,351	228,941	228,941	238,545	9,604	4.19%
59005 Admin Control Acct Clearing	(579,351)	(228,941)	(228,941)	(238,545)	(9,604)	4.19%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	594,233	264,126	264,126	245,699	(18,427)	(6.98%)
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	(425,448)	(425,448)		(238,545)		
Special Fund Stmts!B449	0	0		0		
Amortization of Bond Premium	(16,525)	(16,525)		(16,525)		
Change in Reserved Fund Balance	173,269					
Unrealized Gain/ Loss (GASB 31)	2,640					
Rounding	(1)	(0)				
ENDING FUND BALANCE	\$328,549	\$109,035		\$90,136		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2015

Fund/Department No:

44295

33047600

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEG. FUND BALANCE	\$117,878	\$295,059		\$537,299		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	3,740	4,420	4,420	2,400	(2,020)	(45.70%)
44003 Other Interest Earnings	7,060	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(11,468)	(3,000)	0	0	0	N/A
SUBTOTAL	(668)	1,420	4,420	2,400	(2,020)	(45.70%)
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	1,030,030	1,237,202	1,237,202	1,224,505	(12,697)	(1.03%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	1,030,030	1,237,202	1,237,202	1,224,505	(12,697)	(1.03%)
TOTAL REVENUES	1,029,362	1,238,622	1,241,622	1,226,905	(14,717)	(1.19%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	2,064	2,500	2,500	2,500	0	0.00%
SUBTOTAL	2,064	2,500	2,500	2,500	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	527,067	518,877	518,877	483,190	(35,687)	(6.88%)
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	502,059	523,393	523,393	487,706	(35,687)	(6.82%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	0	120,000	120,000	180,000	60,000	50.00%
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	0	120,000	120,000	180,000	60,000	50.00%
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	327,614	549,935	549,935	574,581	24,646	4.48%
59005 Admin Control Acct Clearing	(327,614)	(549,935)	(549,935)	(574,581)	(24,646)	4.48%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	504,123	645,893	645,893	670,206	24,313	3.76%
Adjustments to Reserves/Encumbrances:						
Principal Payment	(327,614)	(327,614)		(574,581)		
Change in Principal due to Bond Reallocation	0	0		0		
Change in Bond Premium due to Bond Reallocation	0	0		0		
Revenue Bonds Pay - Change in Current	0	0		0		
Amortization of Bond Premium	(29,523)	(27,390)		(27,390)		
Capitalized Interest	0					
Change in Reserved Fund Balance	(6,903)					
Loss on Refunding Debt	4,515	4,515		4,515		
Unrealized Gain/ Loss (GASB 31)	11,468	0		0		
Rounding	(1)	0		0		
ENDING FUND BALANCE	\$295,059	\$537,299		\$496,542		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2015

Fund/Department No:

44305

33047700

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	\$65,448	\$90,469		\$87,997		
REVENUES						
<u>USE OF MONEY / PROPERTY</u>						
44002 Interest on Pooled Cash	1,513	500	0	384	384	N/A
44003 Other Interest Earnings	0	0	0	0	0	N/A
44050 Unrealized Gains and Losses	(2,977)	(1,000)	0	0	0	N/A
SUBTOTAL	(1,464)	(500)	0	384	384	N/A
<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	47,394	38,073	38,073	37,809	(264)	(0.69%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	47,394	38,073	38,073	37,809	(264)	(0.69%)
TOTAL REVENUES	45,930	37,573	38,073	38,193	120	0.31%
EXPENDITURES						
<u>SERVICES AND SUPPLIES</u>						
51242 Bank Charges	294	500	500	500	0	0.00%
SUBTOTAL	294	500	500	500	0	0.00%
<u>OTHER CHARGES</u>						
53103 Interest on LT Debt	16,655	16,482	16,482	15,502	(980)	(5.95%)
53104 Other Interest Expense	(689)	0	0	0	0	N/A
53105 Costs of Issuance	0	0	0	0	0	N/A
SUBTOTAL	15,965	16,482	16,482	15,502	(980)	(5.95%)
<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	6,938	16,125	16,125	16,875	750	4.65%
59005 Admin Control Acct Clearing	(6,938)	(16,125)	(16,125)	(16,875)	(750)	4.65%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	16,259	16,982	16,982	16,002	(980)	(5.77%)
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 Bond	(6,938)	(6,938)		(6,938)		
Principal Payment	0	(16,125)		(16,875)		
Amortization of Bond Premium	(689)	0		0		
Unrealized Gain/ Loss (GASB 31)	2,977	0		0		
Change in Reserved Fund Balance	0					
Rounding	0	0		0		
ENDING FUND BALANCE	\$90,469	\$87,997		\$86,375		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Common Facilities Revenue Bonds 2019

Fund/Department No:

44310

33047800

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEG. FUND BALANCE	\$1,018,252	\$7,561		\$52,645		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	190,287	2,000	33,150	480	(32,670)	(98.55%)
44003 Other Interest Earnings	5,927	0	0	0	0	N/A
44050 Unrealized Gains and Losses	47,747	(60,000)	0	0	0	N/A
SUBTOTAL	243,961	(58,000)	33,150	480	(32,670)	(98.55%)
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	649,709	677,117	677,117	674,569	(2,548)	(0.38%)
47102 Transfers In - btw Govtl Funds	0	0	0	0	0	N/A
SUBTOTAL	649,709	677,117	677,117	674,569	(2,548)	(0.38%)
TOTAL REVENUES	893,670	619,117	710,267	675,049	(35,218)	(4.96%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,290	2,000	2,000	2,000	0	0.00%
SUBTOTAL	1,290	2,000	2,000	2,000	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	331,755	321,061	321,061	307,774	(13,287)	(4.14%)
53104 Other Interest Expense	(54,724)	0	0	0	0	N/A
53105 Costs of Issuance	174,687	0	0	0	0	N/A
SUBTOTAL	451,718	321,061	321,061	307,774	(13,287)	(4.14%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	9,733,600	0	0	0	0	N/A
57012 Transfers Out - btw Govtl Fund	0	0	0	0	0	N/A
SUBTOTAL	9,733,600	0	0	0	0	N/A
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	250,972	265,736	265,736	276,808	11,072	4.17%
59005 Admin Control Acct Clearing	(250,972)	(265,736)	(265,736)	(276,808)	(11,072)	4.17%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	10,186,608	323,061	323,061	309,774	(13,287)	(4.11%)
Adjustments to Reserves/Encumbrances:						
Unrealized Gains and Losses	0	0		0		
Proceeds Bond Issuance	8,127,078	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Principal Payment	(250,973)	(250,973)		(276,808)		
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	1,094,484	0		0		
Loss on Refunding of Debt	0	0		0		
Unrealized Gain/ Loss (GASB 31)	(47,747)	0		0		
Changed in Reserved Fund Balance	(585,872)	0		0		
Rounding	1	1		0		
ENDING FUND BALANCE	\$7,561	\$52,645		\$141,113		

**FY 2021-22 BUDGET
BEGINNING AND ENDING CASH SUMMARY**

Section Title:

Sonoma Aqueduct Revenue Bonds 2019

Fund/Department No:

44315

33047900

Account Title	Actual 2019-2020	Estimated 2020-2021	Adopted 2020-2021	Requested 2021-22	Difference	Percent Change
BEGINNING FUND BALANCE	\$227,482	\$395,101		\$136,872		
REVENUES						
USE OF MONEY / PROPERTY						
44002 Interest on Pooled Cash	64,708	26,520	26,520	480	(26,040)	(98.19%)
44003 Other Interest Earnings	2,102	0	0	0	0	N/A
44050 Unrealized Gains and Losses	17,131	(20,000)	0	0	0	N/A
SUBTOTAL	83,941	6,520	26,520	480	(26,040)	(98.19%)
OTHER FINANCING SOURCES						
47101 Transfers In - within a Fund	207,354	240,528	240,528	239,626	(903)	(0.38%)
47102 Transfers In - btw Govtl Funds	0	60,000	0	0	0	N/A
SUBTOTAL	207,354	300,528	240,528	239,626	(903)	(0.38%)
TOTAL REVENUES	291,295	307,048	267,048	240,106	(26,943)	(10.09%)
EXPENDITURES						
SERVICES AND SUPPLIES						
51242 Bank Charges	1,210	1,000	1,000	1,000	0	0.00%
SUBTOTAL	1,210	1,000	1,000	1,000	0	0.00%
OTHER CHARGES						
53103 Interest on LT Debt	117,684	113,890	113,890	109,177	(4,713)	(4.14%)
53104 Other Interest Expense	(19,412)	0	0	0	0	N/A
53105 Costs of Issuance	61,967	0	0	0	0	N/A
SUBTOTAL	160,238	113,890	113,890	109,177	(4,713)	(4.14%)
OTHER FINANCING USES						
57011 Transfers Out - within a Fund	2,900,000	500,000	500,000	200,000	(300,000)	(60.00%)
SUBTOTAL	2,900,000	500,000	500,000	200,000	(300,000)	(60.00%)
ADMIN. CONTROL ACCOUNT						
59004 Administrative Control Account	89,028	94,265	94,265	98,193	3,928	4.17%
59005 Admin Control Acct Clearing	(89,028)	(94,265)	(94,265)	(98,193)	(3,928)	4.17%
SUBTOTAL	0	0	0	0	0	N/A
TOTAL EXPENDITURES	3,061,448	614,890	614,890	310,177	(304,713)	(49.56%)
Adjustments to Reserves/Encumbrances:						
Unrealized Gains and Losses	0	0		0		
Proceeds Bond Issuance	2,882,922	0		0		
Restricted Cash w/Fiscal Agent	0	0		0		
Accrual of Principal Payment - Revenue Bonds	(89,027)	(94,264)		0		
Principal Payment	0	0		0		
Deposit to Cost of Issuance Fund	0	0		0		
Bond Premium - Issuance of Revenue Bonds	388,247	388,247		0		
Amortization of Bond Premium	(19,413)	(19,413)		0		
Unrealized Gain/ Loss (GASB 31)	(17,131)	(17,131)		0		
Change in Reserved Fund Balance	(207,826)	(207,826)		0		
Rounding	0	0		0		
ENDING FUND BALANCE	\$395,101	\$136,872		\$66,801		

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY21-22

A. ANNUAL DEBT SERVICE REQUIREMENTS

	Common Facilities	Watershed Plan Restoration	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
2012 A Revenue Bond	44275	TBD	TBD	44280	44285
PRINCIPAL	256,355			183,077	150,568
INTEREST	111,493			79,623	65,485
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	377,135	0		269,226	221,638
Bond Reserve	56,571	0		40,384	33,246
Total Individual Bond Debt Service	433,706	0		309,610	254,884
2015A Revenue Bond	44295			44290	44305
PRINCIPAL	574,581			238,545	16,875
INTEREST	483,190			169,141	15,502
OTHER INTEREST - DEFERRED REFUNDING CHARGE	4,516			5,058	0
FISCAL AGENT FEES	2,500			1,500	500
Total Individual Bond Payments	1,064,787			414,244	32,877
Bond Reserve	159,719			62,137	4,932
Total Individual Bond Debt Service	1,224,506			476,381	37,809
2019A Revenue Bond					
PRINCIPAL	276,808				98,193
INTEREST	307,774				109,177
FISCAL AGENT FEES	2,000				1,000
DEBT ISSUANCE COSTS					
Total Individual Bond Payments	586,582			0	208,370
Bond Reserve	87,988			0	31,256
Total Individual Bond Debt Service	674,570			0	239,626
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	
<u>1. 09/10 Financing Exp for Common Fac incl above until index established</u>	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

REVENUE BOND / STATE LOAN CHARGES - WATER RATES AND ESTIMATED REVENUES FOR FY21-22

A. ANNUAL DEBT SERVICE REQUIREMENTS

	Common Facilities	Watershed Plan Restoration	Water Conservation	Storage Facilities	Sonoma Pipeline Facilities
SRF LOAN	44265				
PRINCIPAL	862,613			N.A	N.A
INTEREST	177,619			N.A	N.A
Total Individual Loan Payments	1,040,232				
Reserve Requirement	156,035				
Total SRF Debt Service	1,196,267				
SRF LOAN RESERVE					
RESERVE				N.A	N.A
Total SRF Debt Service	1,196,267				
TOTAL DEBT SERVICE	\$3,529,049	\$0	\$0	\$785,991	\$532,318
LESS REV. FROM N. MARIN REV. BOND CHARGES	353,652				
REMAINING REVENUE REQUIREMENT	\$3,175,397	\$0	\$0	\$785,991	\$532,318

B. CALCULATIONS OF WATER RATES FOR FY21-22

	Common Facilities Debt Service Charge	Watershed Plan Restoration Debt Service Charge	Water Conservation Debt Service Charge	Storage Facilities Revenue Bonds Charge	Sonoma Pipeline Facilities Revenue Bonds Charge
REVENUE REQUIREMENT	\$3,175,397.00	\$0	\$0	\$785,991	\$532,318
APPLICABLE BASE WATER DELIVERIES IN A.F.	34,001.32	45,994.3	45,994.3	34,001.32	4,200.6
CHARGES PER ACRE-FEET	\$93.39	\$0.00	\$0.00	\$23.12	\$126.72

C. CALCULATIONS OF NORTH MARIN REVENUE BONDS CHARGE

REVENUE REQUIREMENT FOR COMMON FACILITIES DEBT SERVICE (<i>Remaining Facilities per RA 4.3a2</i>)	2,854,480
N. MARIN'S SHARE (REV. REQMT. FOR COMMON FAC. DEBT SERVICE X (11.2/90.4))	353,652
ESTIMATED WATER DELIVERIES TO NORTH MARIN (IN A.F.)	6,224
NORTH MARIN REVENUE BONDS CHARGE	56.82
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.)	6,224
NORTH MARIN REVENUE BONDS CHARGE	-
1,970,357	0
0	421,622
	265,636

Common Facilities		NMWD Cash for 2019 Common Bonds	
Debt Service RA 4.3a2 (<i>remaining facilities</i>)	2,854,480	Total Revenue Required	\$2,854,480
N. Marin's Share (11.2/90.4)	353,652	Debt service - Additional Facilities	
Estimated Water Deliveries to N. Marin	6,224	Revenue base for NMWD	\$2,854,480
Applicable portion of the N. Marin R. Bonds Charge	\$56.82		

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	6,224
Applicable portion of the N. Marin R. Bonds Charge	\$
Total NMWD Share	353,652
NMWD Total Bonds Charge	\$56.82

FY 2021-22 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		449,129	629,680	629,808	128
Petaluma Aq. Capital Fund	44235	0		253,676	6,991,155	6,991,155	0
Sonoma Aq. Capital Fund	44240	0		351,642	467,182	467,182	(0)
Sonoma Rev Bond 2012 Fund	44285	0	Sonoma AQ	254,884	267,132	267,132	0
Sonoma Rev Bond 2015 Fund	44305	0	Sonoma AQ	37,809	86,375	86,375	0
Sonoma Rev Bond 2019 Fund	44315	200,000	Sonoma AQ	239,626	66,801	66,801	0
Storage Rev Bond 2012 Fund	44280	50,000	Storage Facilities	309,610	17,285	17,285	0
Storage Rev Bond 2015 Fund	44290	70,000	Storage Facilities	476,381	90,137	90,136	(0)
Common Rev Bond 2012 Fund	44275	0	Common Facilities	433,705	365,598	365,598	0
Common Rev Bond 2015 Fund	44295	180,000	Common Facilities	1,224,505	496,542	496,542	0
Common Rev Bond 2019 Fund	44310	0	Common Facilities	674,569	141,113	141,113	0
State Loan Debt Service	44265	120,000	Common Facilities	1,196,267	480,906	480,906	0
State Loan Reserve	44270	0		0	(0)	(0)	0
Capital Lease Financing		0		0	0	0	0
Agency Fund (Discretionary)	44205	1,646,689	Common Facilities	0	8,480,472	8,480,472	0
Agency Fund (Charges)	44205	13,908,250		0			
Pipeline Facilities	44255			0	0	0	0
Storage Facilities	44250			120,000	109,078	109,078	0
Common Facilities	44260			1,946,689	331,137	331,137	0
North Marin	44300	0		0	74,504	74,504	0
Water Management Planning	44210			230	399,963	399,963	(0)
Watershed Planning/Restoration	44215			6,114,794	3,793,868	3,793,868	0
Recycled Water & Local Supply	44220			43,000	117,850	117,850	0
Water Conservation	44225			2,048,425	496,739	496,740	0
Total		16,174,939		16,174,939	23,903,515	23,903,643	128

Common Facilities OT - in 47101 From

Water Transmission (discretionary)	1,646,689
Water Transmission (Charges)	-
North Marin	-
2012 Bond Fund	-
2015 Bond Fund	180,000
2019 Bond Fund	-
State Loan Debt Service	120,000
	<u>1,946,689</u>

O&M Rate Computation

Revenue Requirement - Transfers Out:

13,908,250

Agency Fund (Charges) OT - Out To:

<u>AQ Capital Funds</u>	
Santa Rosa Aq. Capital Fund	449,129
Petaluma Aq. Capital Fund	253,676
Sonoma Aq. Capital Fund	<u>151,642</u>
	854,447

Agency Fund (Charges) OT - Out To:

<u>Summary</u>	
AQ Capital Funds	854,447
Debt Service Funds	4,847,355
WT Subfunds	<u>8,206,449</u>
	13,908,250

Debt Service Funds

Sonoma Rev Bond 2012 Fund	254,884
Sonoma Rev Bond 2015 Fund	37,809
Sonoma Rev Bond 2019 Fund	239,626
Storage Rev Bond 2012 Fund	309,610
Storage Rev Bond 2015 Fund	476,381
Common Rev Bond 2012 Fund	433,705
Common Rev Bond 2015 Fund	1,224,505
Common Rev Bond 2019 Fund	674,569
State Loan Debt Service	1,196,267
State Loan Reserve	0
Capital Lease Financing	<u>0</u>
	4,847,355

Capital Funds and North Marin

1,646,689

Total

15,554,939

Capital Funds and North Marin

Pipeline Facilities	0
Storage Facilities	0
Common Facilities	1,646,689
North Marin	<u>0</u>
	1,646,689

WT Subfunds

Water Management Planning	230
Watershed Planning/Restoration	6,114,794
Recycled Water & Local Supply	43,000
Water Conservation	<u>2,048,425</u>
	8,206,449

Total 15,554,939



Sonoma Water

Clean. Reliable. Essential. Every day.

FY 2021-2022

Proposed Budget and Rates Water Transmission System

Presentation to: North Marin Water District
March 16, 2021

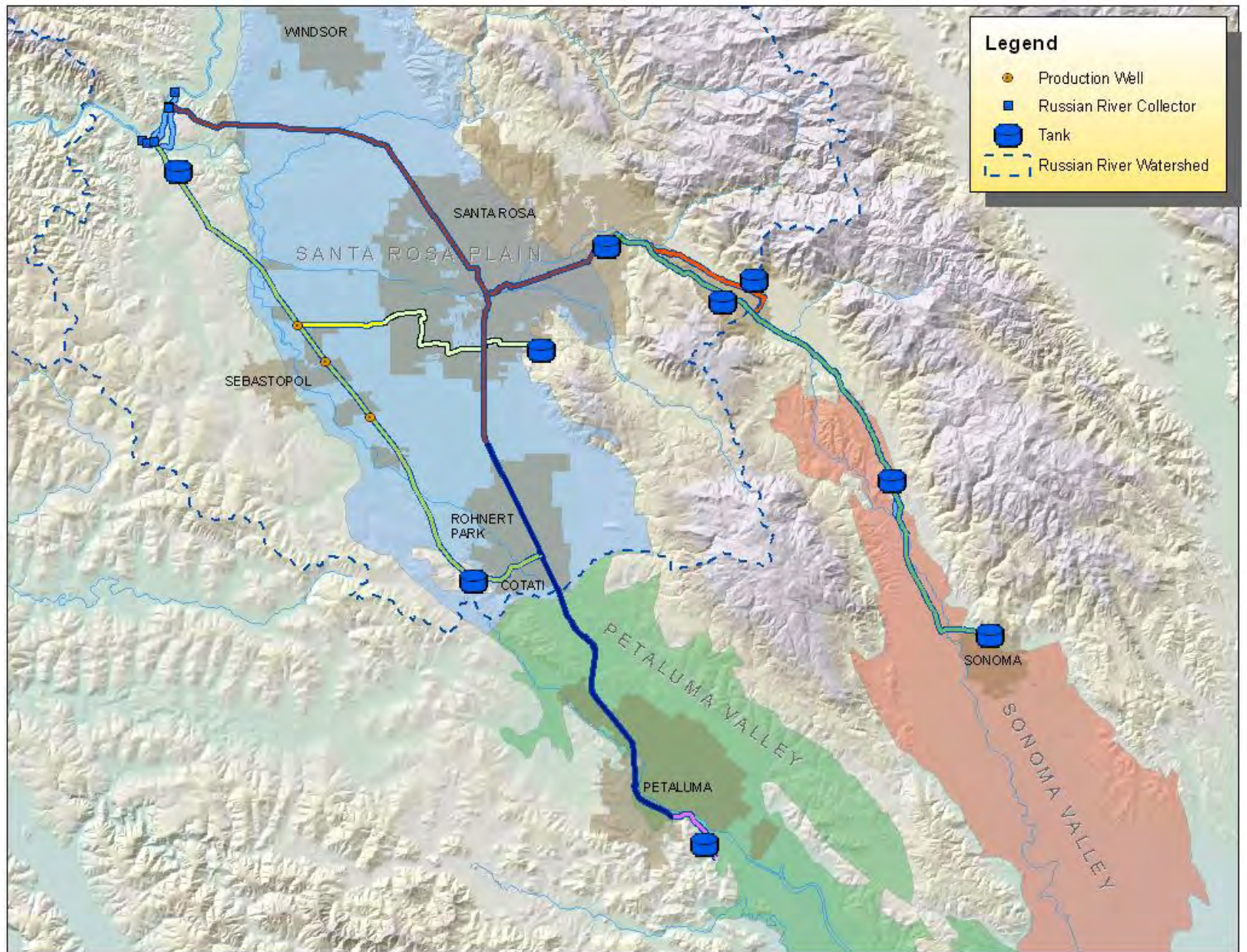
Lynne Rosselli
ADMINISTRATIVE SERVICES
DIVISION MANAGER
707-524-3771
Lynne.Rosselli@scwa.ca.gov

    sonomawater.org



Sonoma Water's Enterprises

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



Transparent and Collaborative Process

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



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



- **Technical Advisory Committee Vote on Budget and Rates on March 1**



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



- **Water Advisory Committee Vote on Budget and Rates on April 5**

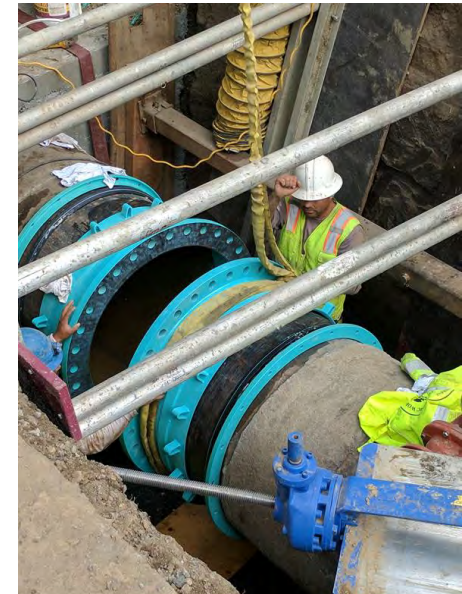
- **Adoption by Sonoma Water's Board of Directors on April 20.**



Sonoma
Water

Water Transmission System Activities and Funds

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



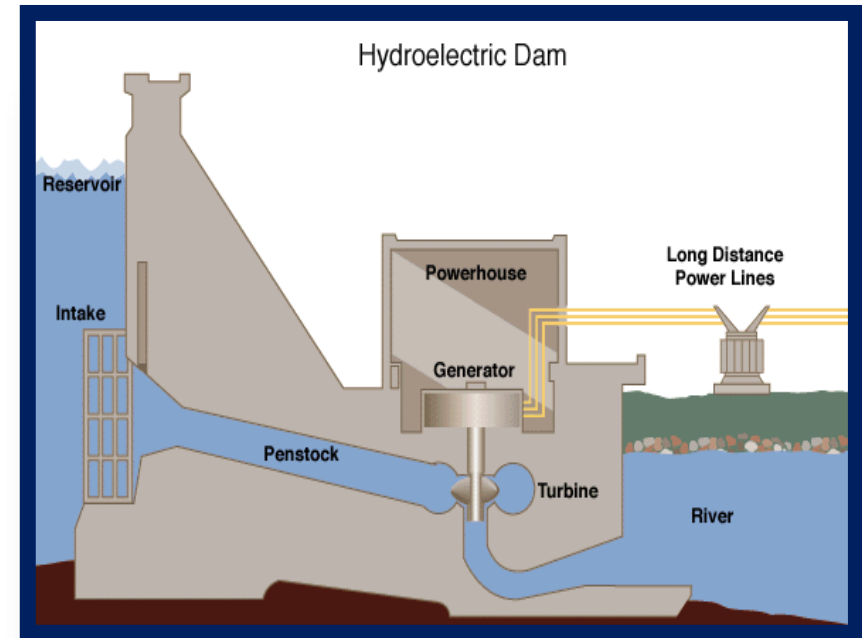
Hazard Mitigation Projects

Ely Booster Pump Station Flood Mitigation	60% Design; Award in FY21-22
Mark West Creek Crossing	90% Design; Award in FY21-22
Russian River Crossing	Awarded in FY20-21; Under Construction in FY21-22
Santa Rosa Creek Crossing	60% Design; Award in FY21-22
Sonoma AQ Crossing of Spring Creek & Bennett Valley Fault Crossing	Preliminary Design FY21-22

FY21-22 Budget: \$5.4M

Other Capital Projects

Sonoma Booster Pump Station Upgrade	Substantial Completion Winter 2021
Mirabel Dam Bladder Replacement	Awarded in FY20-21 Under Construction in FY21-22
Warm Springs Dam Hydroturbine Retrofit	Award July 2021



FY21-22 Budget: \$4.3M

Total FY21-22 Capital Budget including Hazard Mitigation Projects: \$9.7M

Operations and Maintenance

Projects

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

Collector Well Pump Set Replacements

Mainline Valve Replacement

Tank Maintenance Program

Studies

Regional Water Supply Resiliency Study

Collector Well Seismic Mitigation Planning

Watershed and Riverbank Filtration Water
Quality Studies

pH System Assessment



Biological Opinion Compliance and Water Conservation

Dry Creek Habitat Enhancement Phase IV:
Anticipate Corps will Construct FY21-22



FY21-22 Biological Opinion
Compliance, Water Supply
Planning, Water
Conservation
\$11.05M

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

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

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

For more water saving tips visit
SavingWaterPartnership.org



Expenditures Compared to FY 20-21

	FY20-21	FY21-22	
	Budget (in Millions)	Budget (in Millions)	Change (in Millions)
Operations and Maintenance	\$29.81	\$30.54	\$0.74
Capital Projects	\$12.60	\$9.67	(\$2.92)
BO Compliance, Water Supply Planning, Water Conservation	\$11.89	\$11.05	(\$0.84)
Debt Service	\$4.88	\$4.85	(\$0.03)
Totals	\$59.18	\$56.11	(\$3.05)

Grants, Use of Fund Balance,
and Bond Proceeds

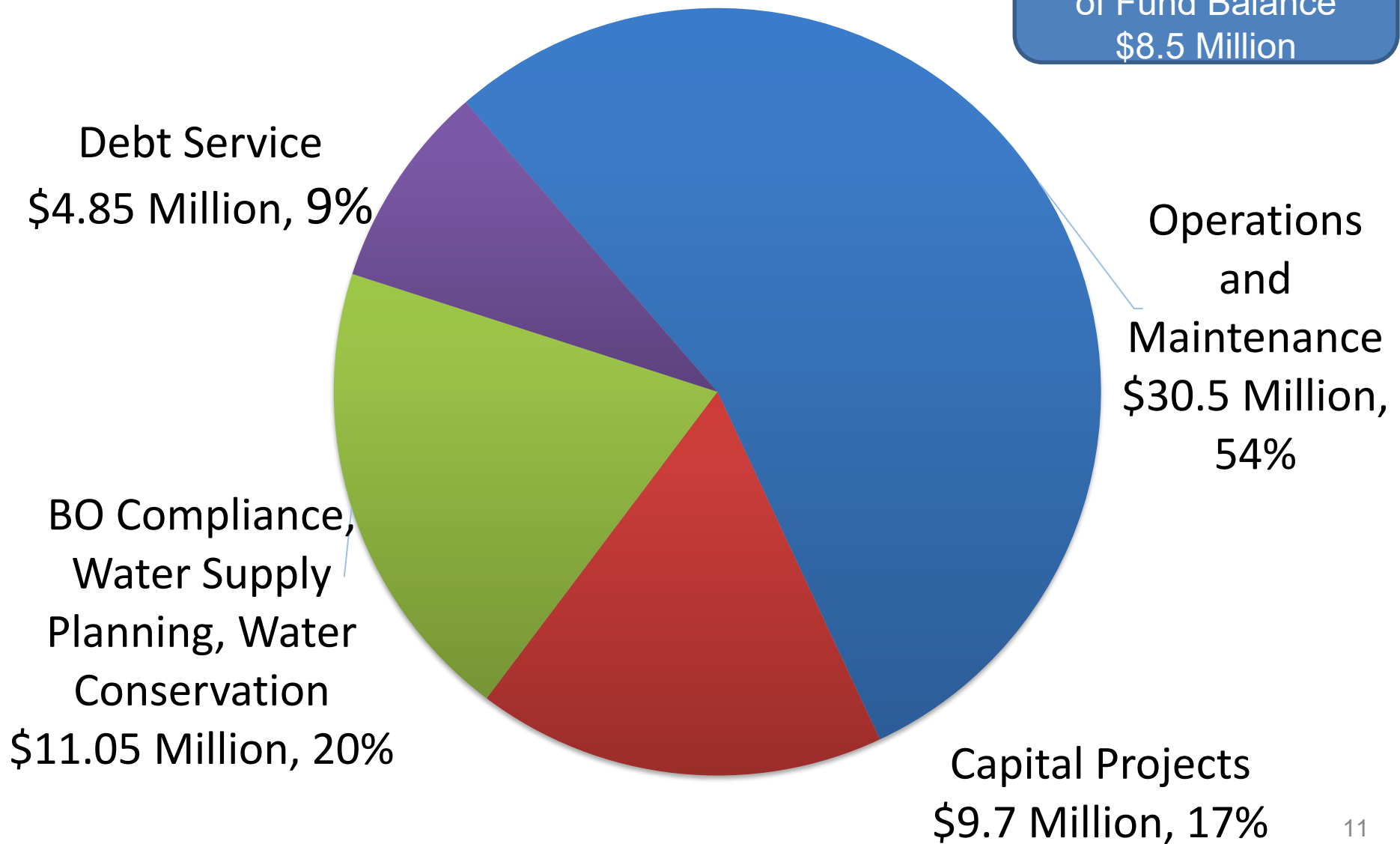
\$16.28

\$8.49

(\$7.79)

FY 21-22 Budgeted Expenditures

Grants, Bond
Proceeds, and Use
of Fund Balance
\$8.5 Million



Rate Setting Calculation (EXAMPLE)

\$46,095,000

\$1,000/ Acre
Foot

46,095 AF

=

Water Sold = Lesser of:

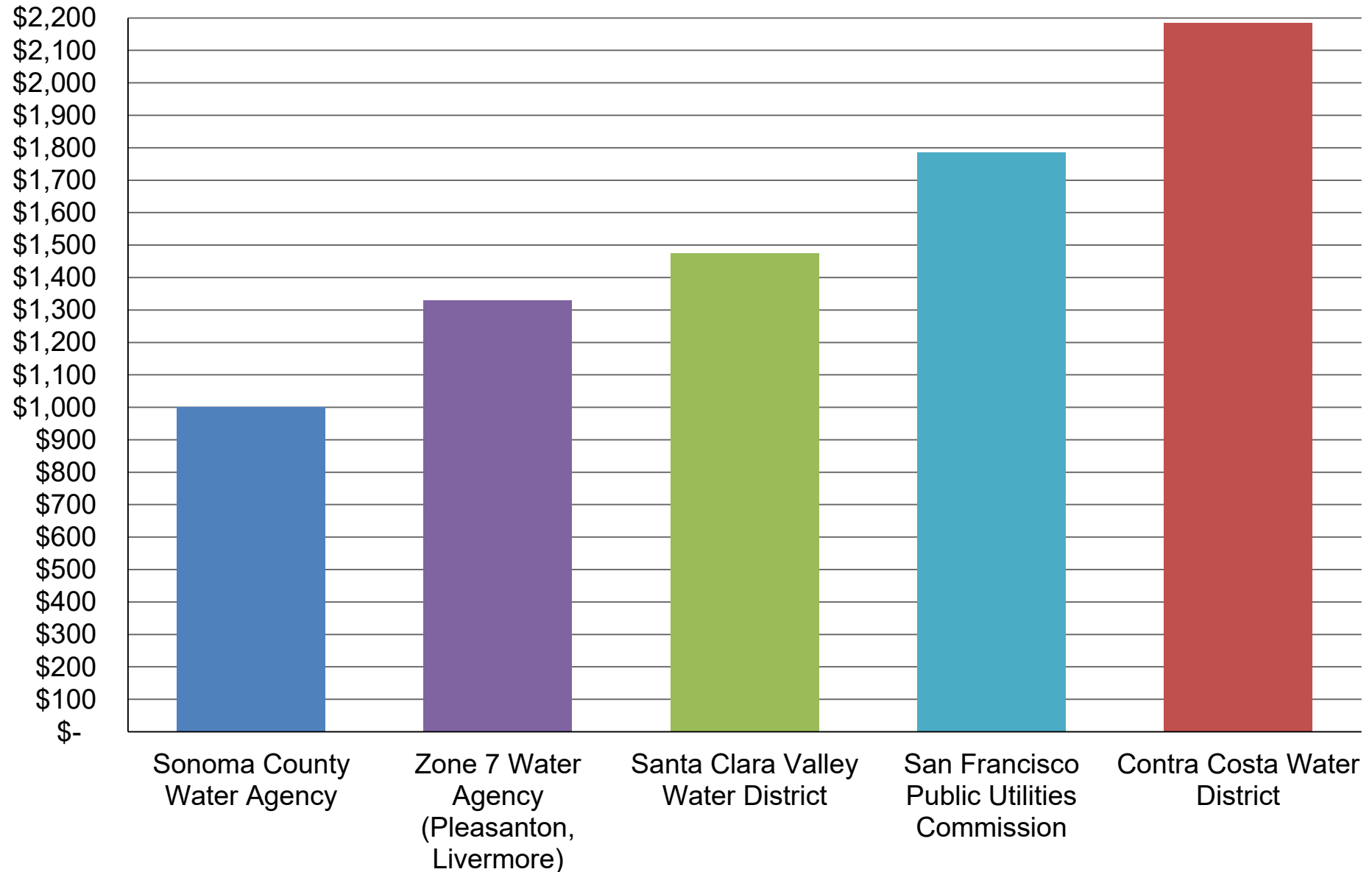
46,095 AF

or

47,748 AF



2021 Wholesale Water Rates Per Acre-Foot



Proposed Rates for FY 21-22

Charge / Aqueduct	Santa Rosa	Petaluma	Sonoma
Deliveries (Acre-Feet)	46,095		
O&M	\$685.92	\$685.92	\$685.92
Water Management Planning	\$0.00	\$0.00	\$0.00
Watershed Planning & Restoration	\$132.66	\$132.66	\$132.66
Recycled Water and Local Supply	\$0.93	\$0.93	\$0.93
Water Conservation	\$44.44	\$44.44	\$44.44
Total O&M	\$863.95	\$863.95	\$863.95
Storage & Common Bond/Loan Charges	\$116.51	\$116.51	\$116.51
Sonoma Aqueduct Bond/Loan Charge			\$126.72
<i>Prime Contractors</i>	\$980.46	\$980.46	\$1,107.18
<u>Discretionary Charges</u>			
Capital Charges - to build fund balance for future projects	\$20.00	\$20.00	\$38.00
<i>Prime Contractors</i>	\$20.00	\$20.00	\$38.00
<i>Total Prime Contractors</i>	\$1,000.46	\$1,000.46	\$1,145.18
Total Overall Increase:	3.47%	3.47%	3.43%

Proposed North Marin Rates for FY 21-22

Charges	FY21-22	FY20-21
Deliveries (Acre-Feet)	6,224	
O&M Charge	863.95	818.51
North Marin Bond & Loan Charge	56.82	67.69
Russian River Conservation Charge	115.94	106.12
Russian River Projects Charge	10.63	8.68
<i>Total North Marin Water District Rate</i>	1,047.34	1,001.00
Total Overall Increase:	4.63%	
Total Estimated Annual Charge:	\$6,518,330	



Sonoma
Water

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Budget and Rate Reduction Measures

- Reduced rate increase from 6.92% to 4.63% for North Marin Water District.
- Reduced rate increase from 6.56% to 4.1% for Santa Rosa and Petaluma Aqueducts.
- Santa Rosa and Petaluma Water Contractors elected to lower Aqueduct Capital Charge to further reduce rate increase to 3.47%
- Savings of approximately \$1.3 million
- Decreased capital project costs
- Increased use of fund balance
- Reduced Water Management Subfund Rate to \$0.00
- Decreased labor costs in Water Conservation
- The rate charged to North Marin Water District is \$0.003/gallon



Next Steps

- **Presentations upon Request to City and Town Councils, and Water District Boards in March**
- **Water Advisory Committee Vote on Monday, April 5**
- **Adoption by Sonoma Water's Board – April 20**



**Sonoma
Water**


Lynne Rosselli
Administrative Services Division Manager
Lynne.Rosselli@scwa.ca.gov

11

MEMORANDUM

To: Board of Directors

March 12, 2021

From: Tony Williams, Assistant General Manager/Chief Engineer Subject: STP - Coat Top of Concrete Clearwells Project: Award Contract to Redwood Painting
R:\Folders by Job No\6000 jobs\6600 STP jobs\6600.87 STP Coat Top of Concrete Clearwells\BOD\6600.87 Contract Award BOD Memo 3-2-21.doc**RECOMMENDED ACTION:** Approve award of the contract to Redwood Painting and authorize the General Manager to execute an agreement with Redwood Painting**FINANCIAL IMPACT:** \$127,100 plus \$6,000 contingency (~5%)Background

The Stafford Treatment Plant (STP) includes a Clearwell as part of the Acti-Floc Filtration and a Finished Water Clearwell at the end of the plant. The interior floor and wall surfaces of both clearwells were coated in 2019 because of concern with deterioration of the untreated concrete surfaces and the potential for corrosion of the underlying steel reinforcement. This coating system has been performing well and is inspected annually by Operations staff. This project consists of coating the upper concrete slabs that form the roofs or tops of each clearwell with the same coating system previously used in 2019. The Board authorized advertisement for bids on the above referenced project on February 2, 2021. The advertisement date for this project was February 8, 2021 with a bid opening on February 25, 2021. The District advertised the project in the Marin IJ and posted the project on www.ebidboard.com. Five (5) contractors, all prime contractors, attended the mandatory pre-bid meeting on February 17, 2021. The bid period was for approximately three (3) weeks. Two bids were received, one for \$127,100, and one for \$130,265. Note that a third bidder turned in a bid early and then requested that it be withdrawn well before the bid opening. This third bid was returned to that bidder unopened. The apparent low bidder was Redwood Painting Company of Pittsburg, California. The bid schedule had a base bid, which was the basis for the selection of the low bidder; no additional bid items were included. A summary of the two bids received is shown below.

	CONTRACTOR	BID
1	Redwood Painting Co, Inc., Pittsburg, CA	\$127,100
2	Jeffco Painting & Coating, Inc., Vallejo, CA	\$130,265

The Engineer's Estimate was \$96,850. The bid variance between the Number 1 and Number 2 low bidders was \$3,165 (for a variance of 2.5%).

Bid Evaluation

The bids of Redwood Painting Co., Inc. and Jeffco Painting & Coating, Inc. were reviewed for compliance with bid requirements. The bidders were required to submit 1)

manufacturer's letter of approval of the applicator and 2) demonstrate the applicator's qualifications by providing references for five similar projects completed within the last five years of the bid date. Both bidders provided references for five projects. Redwood Painting's portion of reference check confirmed satisfactory performance of the 5 projects listed under three agencies. Redwood Painting's references were checked and determined positive. All other bid requirements have been satisfied by both bidders.

Engineer's Estimate and Project Costs

The Engineer's cost estimate for the coating project was \$96,850. The two bidders were much higher than the Engineer's estimate. The lowest bidder (Redwood Painting) is 31% (\$30,250) above the Engineer's estimate and the other bidder (Jeffco) is 34% (\$33,415) above Engineer's estimate. A week prior to the bid opening, staff was in contact with staff at the Novato Sanitary District and they had noted that costs for coating projects seemed to be trending higher in the last year. Although the percent variance is relatively high for the low bidder, the overall project cost can be funded through the FY21 Capital Improvement budget for STP improvements which includes a line item for "Other Treatment Plant Improvements" in the amount of \$100,000, and a line item for the "Leveroni Creek Embankment Repair" Project (\$192,000), which is not planned for construction this FY as it is a good candidate for outside grant funding and can be deferred to a later construction timing.

RECOMMENDATION

That the Board approve award of the contract to Redwood Painting Company and authorize the General Manager to execute an agreement with Redwood Painting Company.

12

MEMORANDUM

To: Board of Directors

March 12, 2021

From: Drew McIntyre, General Manager



Subject: Renew Declaration of Local Emergency Related to COVID-19 Pandemic

t:\gm\bod misc 2021\renew covid emergency declaration #23 3_16_21.doc

RECOMMENDED ACTION: Approve continuation of the local emergency resulting from the COVID-19 pandemic as declared in District Resolution No. 20-07

FINANCIAL IMPACT: ~\$156,600 as of February 28, 2021 (total fiscal impacts are currently unknown)

On March 4, 2020, the Governor of the State of California declared a State of Emergency as a result of the coronavirus (COVID-19) pandemic. On March 13, 2020, the President of the United States declared a National Emergency as a result of the threat of COVID-19.

On March 16, 2020, the County of Marin by Order of the Health Officer issued a Shelter in Place Order limiting the travel of all county residents and ordering county businesses to cease all non-essential activities and to take further actions as described in said Order through April 7, 2020. The order limits activity, travel and business functions to most essential needs.

On March 16, 2020 the General Manager, as the District's Emergency Manager activated the District's Emergency Operations Plan.

On March 19, 2020, Governor Newsom issued Executive Order N-33-20 ordering all individuals living in California to stay home at their place of residence, with certain exceptions for critical services and other qualifying exceptions. This shelter-in-place order has no specified termination date.

On March 31, 2020, the County of Marin by Order of the Health Officer issued an extended Shelter in Place Order through May 3, 2020 that is more restrictive than the original order. The new order continues to provide an exception for the operations and maintenance of "Essential Infrastructure," which includes, but is not limited to, water, wastewater, and recycled water service. Exemptions are also in place for Essential Government Functions, for certain "Minimum Basic Operations," for emergency management functions, for certain narrowly prescribed "Essential Business" functions, and for certain qualifying private construction, such as housing projects meeting low-income needs.

On April 29, 2020, Marin County and the other six Bay Area Public Health Officers issued a new order effective May 4, 2020 through May 31, 2020. Marin's public health order concerning use of face coverings does not have an end date and will remain in place until further notice. Under the May 4th Shelter-In-Place order, construction activities, certain businesses that operate primarily

outdoors, and some outdoor activities will be allowed to resume with specific conditions.

On May 15, 2020, Marin County issued a new order allowing a limited number of additional businesses and activities to resume operations subject to specified conditions. In particular, office spaces were allowed to resume operation on June 1, 2020 subject to strict compliance with specific Marin County requirements. This new order has no end date and is to remain in effect until rescinded or superseded.

On July 13, 2020 Governor Newsom issued a statewide order to dial back on recent loosening of restrictions due to a significant increase in the number of confirmed cases. As a result, various activities in Marin County were once again closed down, including: office space for non-essential operations, indoor malls, hair salons/barbershops and indoor seating at restaurants.

On September 15, 2020, Marin County successfully appealed to the California Department of Public Health (CDPH) to move into Tier 2 in the state's COVID-19 response framework. Moving from Tier 1, or "widespread" COVID-19 community risk (or purple) status, to the Tier 2 "substantial" (or red) status risk category allowing more businesses to reopen.

On October 27, 2020 Marin County was notified that California was moving the county from Tier 2 or "substantial risk" status to the Tier 3 or "moderate risk" level due to fewer daily cases, and a reduction in the positivity rate.

On November 16, Governor Gavin Newsom announced that CDPH officially moved Marin County from orange Tier 3 ("moderate risk") to the more restrictive red Tier 2 ("substantial risk") on its Blueprint for a Safer Economy. The step back comes just three days after the Marin County Department of Health and Human Services (HHS) notified local businesses and agencies about preemptive restrictions to stem the virus' spread locally.

On December 3, 2020 Governor Newsom announced that all sectors other than retail and essential operations will be closed in regions of California when less than 15% of intensive care unit (ICU) beds are available under a new Regional Stay Home Order. Marin County proactively implemented the State's Regional Stay Home Order at noon on December 8th and the state officially issued said Order to Marin County (as part of the Bay Area region) on December 17th.

On January 25, 2021, CDPH lifted the Regional Stay-Home Order for the Bay Area and statewide. All 11 counties in the Bay Area, including Marin, thereby moved into the purple (or Tier 1) stage within the State's "Blueprint for a Safer Economy". With 7% of Marin residents vaccinated and very limited weekly supplies, health officials noted that the vaccine will play a limited role in preventing any surges soon.

On February 23, 2021, the State has announced that Marin County will move from “purple” to “red” status in the Blueprint for a Safer Economy effective Wednesday, February 24. The move from Tier 1 or “widespread risk” status to the less restrictive Tier 2 or “substantial risk” level is based on consecutive weeks of progress in Marin’s COVID-19 case statistics. Marin joins San Mateo and San Francisco as the only Bay Area counties not in tier 1, the most restrictive tier.

On April 7th, the Board of Directors approved Resolution No. 20-07 proclaiming the existence of a local emergency, granting the General Manager to take actions necessary for emergency response due to the COVID-19 pandemic until the State of Emergency is terminated.

Since April 21, 2020, the Board of Directors has, at every regular meeting, approved continuation of the local emergency resulting from the COVID-19 pandemic as declared in District Resolution No. 20-07.

District emergency planning has been aggressively implemented since March 16, 2020. The District’s current COVID-19 Preparedness and Response Plan has been prepared to maintain optimum health and safety working conditions. As a result of the Plan, the District has adopted various housekeeping and physical distancing protocols and also instituted modified work schedules as appropriate. Initially approximately 50% of the District’s staff were physically separated as much as possible by rotating shifts and having some employees work from home, but all critical operations needed to maintain essential services continue. Relocation of additional staff back to the District buildings, and certain other projects and activities has occurred and the District is now operating with 86% of staff on-site or in the field full time. The balance of staff are teleworking from home with most coming into the office at least one day each week. Walk-in customer service is still suspended. A summary of key emergency actions taken and current estimated costs is provided in Attachment 1.

As the COVID-19 emergency continues in our service area, Staff is requesting the Board find that there still exists a need to continue the State of Emergency reflected by Resolution No. 20-07.

RECOMMENDED ACTION:

Approve continuation of the local emergency resulting from the COVID-19 pandemic as declared in District Resolution No. 20-07.

Emergency Actions Summary

Emergency Operations Team Actions

- Water treatment plants have been closed to all non-essential staff and the public; expanded social distancing and safety measures for essential plant staff.
- Public lobby in the District Administration building has been closed and customers have been provided with alternative methods for communicating with District staff.
- Developed guidelines for social distancing in the office and in the field; distributed guidance to all employees and posted social distancing protocol at facility entrances.
- Developed an initial rotational schedule for operations and maintenance staff to reduce staffing density on-site and minimize the number of employees on duty while completing essential work. (This approach reduced productivity, but improved the likelihood of healthy backup staff.)
- During initial response, shifted ~50 percent of employees to rotating schedule and/or rotating work currently ~15% of employees are on full or partial temporary telework assignments.
- Procured additional District cell phones for field staff to have better access to District communications and direct contact with supervisors.
- Disinfected District vehicles and reconfigured vehicle assignments to accommodate single occupancy to allow for social distancing, including re-deployment of vehicles scheduled for auction.
- Suspended discretionary water service turn-offs for the duration of the emergency declaration.
- Continuing coordination with local agency, county and state contracts to share information and implement best practices.
- Participating in weekly multi agency coordination calls through Marin County Office of Emergency Services (OES).
- Updating public website, messaging and social media posts as necessary including messages on suspension of walk-in services and water safety and reliability.
- Spring 2020 Waterline newsletter, direct mailed to all customers, included COVID-19 messaging with information on water safety and reliability.
- Posted magnetic signage on vehicles to inform public to respect distancing around crews.
- Issued guidance on face coverings in compliance with Centers for Disease Control and Prevention and County recommendations; revised to address April 29 County order generally requiring members of the public and workers to wear face coverings.
- Developed and rolled out an employee self-assessment screening questionnaire for use by any District employee or vendor prior to entering a District workspace; self-assessment questions are reviewed and updated as needed.
- Continue to procure necessary face coverings and personal protective equipment, including disposable masks, face covering and N95 equivalent masks.
- Tracking customer delinquency and comparing to last year to assess potential revenue impacts.

- Developing a living “lessons learned” document.
- Installed hand disinfecting stations at District facilities.
- Expanded use of District’s on-call requirements to ensure construction crew staff maintain their work “bubbles” to ensure adequate back-up staff availability.
- Increased janitorial services to include disinfection of frequently touched areas (door handles, knobs, etc.).
- Modified work spaces to improve physical separation between staff.
- Developed a COVID-19 Preparedness and Response Plan and provided training.
- Implemented a daily self-assessment reporting program for all staff reporting to work.
- Modifying District office front lobby in preparation of re-opening walk-in services (Date to be determined).
- Installed “No Touch” drinking fountains in both Administration Building and Construction Building.

General Manager Authorizations

- Extended vacation accrual maximums from July 1, 2020 to September 30, 2020.
- Extended FY 2019/20 vision insurance reimbursement eligibility from July 1 to August 31, 2020.

COVID Cost Summary

PROCUREMENT EXPENSES

Vendor Purchases	Procurement Type	Total Purchase Order Amount	Date
Durkin Signs & Graphics	Magnetic "Social Distance" Signs	\$1,077	4/14/2020
Winzer Corporation	Surgical Masks (2,000)	\$3,751	4/15/2020
Boucher Law	COVID Protection Plan + Ongoing Support	\$12,3	3/2020-1/2021
JCA Construction	Misc. Office Social Distancing Modifications	\$13,177	6/30/2020
Winzer Corporation	Surgical Masks (2,000)	\$1,592	7/6/2020
Novato Glass	Plexiglass	\$3,969	6/9/2020
Amazon	Face Masks (12)	\$54	6/30/2020
USA Bluebook	Digital Forehead Thermometers (2)	\$218	7/30/2020
Amazon	Digital Thermometers (20)	\$144	6/24/2020
Amazon	Face Masks (120)	\$405	8/20/2020
Winzer Corporation	Surgical Masks (2,000)	\$570	1/14/2021
Total Procurement Amount To-Date		\$37,267	

Emergency Actions Summary

March 12, 2021

Page 4

Internal Labor Expenses

Increased on-call labor costs:

~\$81,750 thru January 31, 2020

~\$87,900 thru February 28, 2021

Families First Coronavirus Response Act (FFCRA)

Allows employees to take time off for COVID
medical reasons and/or childcare.

~\$24,380 thru December 31, 2020

Payroll Collection Costs

~\$7,060 October 2020 -February 2021

Water Bill Delinquency Impacts

	<u>2/2020</u>	<u>2/2021</u>
Customer Accounts Past Due (count)	2.1%	3.6%
Delinquent Balances % Due on Account	6.3%	13.5%
Delinquent Balances \$ Due on Account	\$55,000	\$150,000

t:\gm\bod misc 2021\emergency actions summary 3.16.21 attachment 1.docx

13

MEMORANDUM

To: Board of Directors

From: Ryan Grisso, Water Conservation Coordinator *Rg*

Subject: Enhanced Water Conservation Program Incentive Options for 2021
V:\Memos to Board\Enhanced Water Conservation Program Options 2021.doc

March 12, 2021

RECOMMENDED ACTION: Information Only

FINANCIAL IMPACT: Information Only

Water Conservation Program participation has dropped since the end of the prior drought (2014-2016). With this current looming dry year period, the District should realize an increase in participation. In an effort to further increase customer participation in water conservation programs during dry year period, staff has developed enhanced water conservation program incentive options and is looking for Board feedback to move forward with future requested Board action to revise Resolution 06-01 and 06-02 (which set rebate amounts for the Novato and West Marin Service Areas, respectively). There are also two programs the District currently offers that were initially Board approved as pilot programs and initiated during the last drought in 2014 outside of the Resolutions and have remained available for customers since the time of approval. Those include the Hot Water Recirculation Rebate, and the Lawn be Gone Sheet Mulching Program. In 2014, the District also initiated the second level toilet rebate for those customers installing an Ultra High Efficiency Toilet (UHET) that flush less than 1.1 gallons per flush.

A draft updated Resolution 06-01 and 06-02 which include optional enhanced rebate incentives is included for your review (Attachments 1 and 2). The optional enhanced incentive options are summarized in Table 1 below.

Table 1: Current and Optional Enhanced Increased Water Conservation Incentive Levels

Program	Current Incentive	Optional Enhanced Incentive
Residential High-Efficiency Toilet Rebate	\$100	\$125
Residential Ultra High-Efficient Toilet Rebate	\$150	\$200
Commercial High-Efficiency Toilet Rebate	\$100	\$125
Commercial Ultra High-Efficiency Toilet Rebate	\$150	\$200
High-Efficiency Clothes Washer Rebate	\$50	\$75
Weather-Based Irrigation Controller Rebate	\$30/Station up to \$1,200	No Increase
Water Smart Landscape Rebate	50% up to \$100	75% up to \$150
Cash for Grass Rebate	\$50/100 Square-Feet	\$75/100 Square-Feet
Swimming Pool Cover Rebate	25% up to \$50	50% up to \$75
Hot Water Recirculation Rebate	\$75	\$100

Most of the enhanced incentive options are a 25-50% increase in either the rebate amount of the maximum rebate level, with the exception of the Weather-Based Irrigation Controller which is recommended to remain the same as the current rebate level meets or exceeds the cost of the product for most participants. The Lawn be Gone Sheet Mulching Program was not included in the Resolution drafts as this is a materials delivery program to properly sheet mulch a given area of lawn and consequently there is no incentive level to increase. It is also important to note that the programs recommended for enhanced options were previously increased in 2014 in response to the previous drought period and have not been reduced since.

RECOMMENDATION

Board to provide feedback to staff on increased water conservation program incentive options.

DRAFT REVISED RESOLUTION 06-01
OF THE NORTH MARIN WATER DISTRICT
BOARD OF DIRECTORS
SETTING WATER CONSERVATION REBATE AMOUNTS
FOR NOVATO SERVICE AREA

BE IT RESOLVED by the Board of Directors of North Marin Water District that following rebate amounts are available to customers of the Novato Service Area of the North Marin Water District effective Month, Date 2021 July 1, 2014:

- Residential High Efficiency Toilet (HET) rebate amount to be set at up to \$~~12500~~ for District approved HETs (1.28gpf or less) and up to \$200150 for District approved Ultra High Efficiency Toilets (1.1gpf or less).
- Commercial High Efficiency Toilet (HET) rebate amount to be set at up to \$~~100125~~ for District approved HETs (1.28gpf or less) and up to \$200150 for District approved Ultra High Efficiency Toilets (1.1gpf or less).
- High Efficiency washing machine rebate set at up to \$~~7550~~.
- Residential and Commercial Weather-Based Irrigation Controller (Smart Control) rebate amount to be set at \$100 or \$30 per active station up to \$1,200 on qualified controller purchase. Rebate amount not-to-exceed cost of controller.
- Landscape Water Efficient Rebates shall cover up to ~~7550~~% of the actual cost of District specified items up to a maximum of \$~~100150~~ for residential customers and up to a maximum of \$1,000 for non-residential customers.
- Cash for Grass Rebates (in accordance with Regulation 15, Section H) are available at the rate of up to \$~~7550~~ per 100 square feet of formal lawn area(s) removed and replaced with eligible replacement plant materials but shall not exceed the following values:
 - Single family detached residences and duplexes, each dwelling unit - \$~~400600~~
 - Townhouses, condominiums, triplexes and fourplexes, each dwelling unit - \$~~100150~~
 - Apartments (5 units or more), each dwelling unit - \$~~7550~~
 - Senior citizen unit or second unit with kitchen, each unit - \$40
- Pool Cover Rebate shall cover 5025% of the actual cost of a District qualified covers up to \$7550.
- Hot-Water Recirculation Rebate shall be up to \$100 for District qualified device.

Date Approved: January 17, 2006

Date of Revision: June 20, 2006

Date of Revision: July 15, 2008

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Date of Revision: December 1, 2009

Date of Revision: June 21, 2011

Date of Revision: June 19, 2012

Date of Revision: June 3, 2014

I hereby certify that the foregoing is a true and complete copy of a resolution duly and regularly adopted by the Board of Directors of NORTH MARIN WATER DISTRICT at a regular meeting of said Board held on the ~~3rd day of June, 2014~~, by the following vote:

AYES:	Directors Baker, Fraites, Petterle, Rodoni, Schoenover
NOES:	None
ABSENT:	None
ABSTAINED:	None

(SEAL)

~~Katie Young~~Terrie Kehoe, District Secretary
North Marin Water District

DRAFT REVISED RESOLUTION 06- 02
OF THE NORTH MARIN WATER DISTRICT
BOARD OF DIRECTORS
SETTING WATER CONSERVATION REBATE AMOUNTS
FOR WEST MARIN SERVICE AREA

BE IT RESOLVED by the Board of Directors of North Marin Water District that following rebate amounts are available to customers of the West Marin Service Area of the North Marin Water District effective July 1, 2014 Month, Date 2021:

- Residential High Efficiency Toilet (HET) rebate amount to be set at up to \$100-125 for District approved HETs(1.28gpf or less) and \$450-200 for District approved Ultra High Efficiency Toilets (1.1gpf or less)..
- Commercial High Efficiency Toilet (HET) rebate amount to be set at up to \$12500 for District approved HETs(1.28gpf or less) and \$200450 for District approved Ultra High Efficiency Toilets (1.1gpf or less)..
- High Efficiency washing machine rebate set at up to \$7550.
- Residential and Commercial Weather-Based Irrigation Controller (Smart Control) rebate amount to be set at \$100 or \$30 per active station up to \$1,200 on qualified controller purchase. Rebate amount not-to-exceed cost of controller.
- Landscape Water Efficient Rebates shall cover up to 7550% of the actual cost of District specified items up to a maximum of \$150400 for residential customers and up to a maximum of \$500 for non-residential customers.
- Cash for Grass Rebates (in accordance with Regulation 175, Section H) are available at the rate of up to \$7550 per 100 square feet of formal lawn area(s) removed and replaced with eligible replacement plant materials but shall not exceed the following values:
 - Singe family detached residences and duplexes, each dwelling unit - \$600400
 - Townhouses, condominiums, triplexes and fourplexes, each dwelling unit - \$150400
 - Apartments (5 unites or more), each dwelling unit - \$7550
 - Senior citizen unit or second unit with kitchen, each unit - \$40
- Pool Cover Rebate shall cover 5025% of the actual cost of a District qualified covers up to \$7550.
- Hot-Water Recirculation Rebate shall be up to \$100 for District qualified device.

Date Approved: January 17, 2006
Date of Revision: July 27, 2006
Date of Revision: July 15, 2008
Date of Revision: December 1, 2009
Date of Revision: June 21, 2011
Date of Revision: June 19, 2012
Date of Revision: June 3, 2014

I hereby certify that the foregoing is a true and complete copy of a resolution duly and regularly adopted by the Board of Directors of NORTH MARIN WATER DISTRICT at a regular meeting of said Board held on the ~~3rd day of June 2014~~ by the following vote:

AYES:	Director Baker, Fraites, Petterle, Rodoni, Schoenover
NOES:	None
ABSENT:	None
ABSTAINED:	None

~~Katie Young~~ Terrie Kehoe, District Secretary
North Marin Water District

(SEAL)

14

MEMORANDUM

To: Board of Directors

March 12, 2021

From: Julie Blue, Auditor-Controller *JB*

Subj: Revised FY21/22 Rate Hearing Schedule

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

The below table is a revised schedule for Board meeting activities related to the rate setting and rate hearing schedule. The schedule has been revised to create sufficient time to complete the listed activities and to allow ample time for discussion at upcoming Board meetings. The dates are scheduled to align with a rate increase effective July 1, 2021.

REVISED RATE HEARING SCHEDULE FY 2021-22

Action	REVISED Novato Potable & Recycled Water	ORIGINAL Novato Potable & Recycled Water	REVISED West Marin Water & Oceana Marin Sewer	ORIGINAL West Marin Water & Oceana Marin Sewer
Consider Proposed Rates	April 6, 2021	March 16, 2021	March 16, 2021	March 16, 2021
Approve Letter to Customers	April 20, 2021	April 6, 2021	April 20, 2021	April 6, 2021
Customer Letter Postmark Deadline ⁽¹⁾	April 26, 2021	April 26, 2021	April 30, 2021	April 30, 2021
Rate Hearing	June 15, 2021	June 15, 2021	June 22, 2021	June 22, 2021
Rate Effective	July 1, 2021	July 1, 2021	July 1, 2021	July 1, 2021

⁽¹⁾ To meet minimum 45-day hearing notice requirement letters must be postmarked on or before the date shown.

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North Bay Watershed Association

Board Meeting - Agenda

March 5 | 9:30 – 11:30 a.m.

IN ACCORDANCE WITH THE GOVERNOR'S EXECUTIVE ORDERS N-25-20 AND N-29-20 WHICH SUSPENDS CERTAIN REQUIREMENTS OF THE BROWN ACT, THIS MEETING WILL BE HELD VIRTUALLY VIA REMOTE CONFERENCING SERVICE — NO PHYSICAL MEETING LOCATION

Zoom Meeting:

<https://us02web.zoom.us/j/89045973861?pwd=NnFYMzFLK2JsZlFhbnZQ2cndIN3Uvdz09>

Meeting ID: 890 4597 3861 **Password:** 465908

Dial by your location find your local number: <https://us02web.zoom.us/j/kddEAXIJze>

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

AGENDA

Time	Agenda Item	Proposed Action
9:30	Welcome and Call to Order – Roll Call and Introductions <i>Jack Gibson, Chair</i>	N/A
9:35	General Public Comments This time is reserved for the public to address the Committee about matters NOT on the agenda and within the jurisdiction of the Committee.	N/A
9:40	Agenda Review and Approve Past Meeting Minutes <i>Jack Gibson, Chair</i>	Approve
9:45	Treasure's Report <i>Jack Gibson, Chair</i>	Accept
9:50	Election of Board Officers for 2021/2022 <i>Andy Rodgers, Executive Director</i>	N/A
10:00	Guest Presentation– San Francisco Bay Regional Water Quality Control Board Update On Water Quality Impacts Related To People Experiencing Homelessness <i>Keith Lichten – Chief, Watershed Management Division</i> <i>Derek Beauduy – Municipal Stormwater Section Lead</i> <i>Imtiaz-Ali Kalyan – Municipal stormwater staff</i> <i>San Francisco Bay Regional Water Quality Control Board</i> <i>Watershed Management Division</i> Water Board staff will provide an overview of the regulatory landscape and regional efforts to address discharges associated with people experiencing homelessness.	Presentation

10:30	Roundtable - Regional Water Supply Conditions Updates Member and partner agencies are encouraged to bring and share information on current water supply conditions and/or associated conservation measures, programs, and awareness campaigns.	Roundtable
11:00	Executive Director Report <i>Andy Rodgers, Executive Director</i> <ul style="list-style-type: none"> FY 2021/2022 work plan development update Andy will provide an update on active projects, communications, committees, activities, and developing initiatives since the December 4 Board meeting.	Questions/input
11:05	Board Information Exchange <i>Members</i> Members will highlight issues and share items of interest.	N/A
11:15	Agenda Items for Future Meetings <i>Andy Rodgers, Executive Director</i> Andy will outline ideas for next and future Board meeting topics and solicit feedback.	N/A
11:25	Announcements/Adjourn Next Board Meeting: April 2, 2021	N/A

16

DISBURSEMENTS - DATED MARCH 4, 2021

Date Prepared 3/2/21

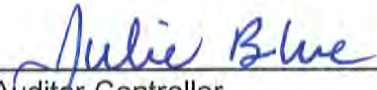

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

Seq	Payable To	For	Amount
90360*	CalPERs	March Health Insurance Premium (Employer \$45,666, Retirees \$12,485 & Employee Contribution \$10,371)	\$68,522.27
1	Amazon/Genuine-Hardware	Office Supplies	163.13
2	Arrow Benefits Group	February Dental Admin Fee	265.55
3	AT&T	February Internet Connection	90.25
4	Automation Direct	Spare Programmable Logic Controller for PRTP	3,188.82
5	Backflow Distributors	Repair Parts for Backflow	472.49
6	Berry, John B.	Novato "Toilet Rebate" Program	100.00
7	Bold & Polisner	January Legal Fees-General (\$5,829) & Potter Valley FERC (\$293)	6,121.25
8		Calpers Employee Contribution Correction	357.06
9		Vision Reimbursement	368.00
10	FLW	Valves for STP (2)	438.34
11	Friedman's Home Improvement	Tar Paper for Cherry Hill Electrical Enclosure	27.88
12	Grainger	Calipers (2) (\$276) (Engineering), Nut Insert Tool, Measuring Wheel (\$139), Leads for Fluke Meter (\$96), Staple Gun, Staples, Adaptor, 24" Hand Ratchet (\$141) & Full Body Harnesses (2) (STP) (\$651)	1,358.85
13	Home Depot	Cordless Chainsaw (\$249), Rapid Set Concrete (50-60 lb Bags) (\$705), Steamer for B/G (\$167) & Submersible Sewage Pump (\$235)	1,355.95
14	Klinger, Alisa	Novato "Cash for Grass" Rebate Program	300.00

Seq	Payable To	For	Amount
15	KP Promotions	Jacket (\$68), Sweatshirt & New Uniform (\$334)	460.75
16		Vision Reimbursement	368.00
17	Latch, Jonathan	Novato "Washer Rebate" Program	50.00
18	Marin Landscape Materials	Crushed Rock (2 yds) (\$165) & Concrete (42 Sacks) (\$305)	470.78
19	Marin County Dept of Agriculture	Refund Security Deposit on Hydrant Meter Less Final Bill	105.28
20	Mutual of Omaha	March Group Life Insurance Premium	964.85
21	Network Adjusters	Claim Settlement - Auto Accident Sept. 2020	4,501.85
22	Noll & Tam Architects	Prog Pymt#1: Provide NMWD Headquarters Upgrade-Architectural Engineering Services (Balance Remaining on Contract \$1,122,117)	9,953.44
23	Pace Supply	Ford 6" Clamp (\$744), 6" Gate Valve (\$564), Socket Wrenches (2) (\$211), Adaptors (5) (\$284), Butterfly Valve (\$2,136) & Bolt Set (\$192) (Less Credit of \$3,861 for Returned Valves)	270.78
24	R & B	Gaskets (10) (\$76), Valves (5) (\$20,570) Couplings (3) (\$2,170), 12" Ell (\$292), Tee (\$511), Spool (\$702) & Steel Pipe (20') (\$415)	24,736.33
25	Darlene D. Rhodes	HR Consulting (1/26-2/10/21)	1,750.00
26	Syar Industries	Asphalt (6 tons) (\$1,031) Pea & Sand (24 tons) (\$962)	1,992.22
27	US Bank	January Safekeeping Treasury Securitas	78.50
28	Veolia Water Technologies	Specialty Sand Pump & Spare Parts (STP)	27,245.76
29	VWR International	Fluoride (Lab)	18.16
30	Waste Management	Green Waste Disposal	391.67
31	Winzer	Misc Hardware for Auto Shop	237.57

Seq	Payable To	For	Amount
32	Wood Rodgers	Prog Pymt#2: Engineering & Hydrogeological Services - Gallagher Well #2 (Balance Remaining on Contract \$24,406)	5,154.01
		TOTAL DISBURSEMENTS	<u>\$161,879.79</u>

The foregoing payroll and accounts payable vouchers totaling \$161,879.79 are hereby approved and authorized for payment.

	<u>3/1/2021</u>
Auditor-Controller	Date
	<u>3/1/2021</u>
General Manager	Date

DISBURSEMENTS - DATED MARCH 11, 2021

Date Prepared 3/9/21

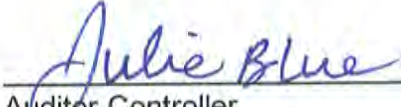

The following demands made against the District are listed for approval and authorization for payment in accordance with Section 31302 of the California Water Code, being a part of the California Water District Law:

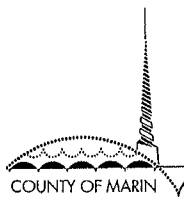
Seq	Payable To	For	Amount
P/R*	Employees	Net Payroll PPE 2/15/21	\$142,219.84
90362*	Internal Revenue Service	Federal & FICA Taxes PPE 2/15/21	63,131.43
90363*	State of California	State Taxes & SDI PPE 2/15/21	14,072.11
90364*	CalPERS	Pension Contribution PPE 2/15/21	37,892.52
90365*	State of California	EDD Unemployment Charges (10/1-12/31/20)	1,663.90
90361*	US Bank Card	Labor & Law Posters (3) (\$107), Fire Hose Adaptors (3) (\$433), CSMFO Conference (\$200), Aatrix Software-1099's (\$119), W2 Filings (\$250), 4th Quarter Payroll Taxes (\$48), AWWA Backflow Tester Assembly Exams (3) (\$855), Craigslist Ad for Utility Worker (\$150), AWWA-Dist System Exam Review (\$300), Exam Prep Grade 3 (\$250), Zoom for Board Meetings (\$13), SSL License Renewal (\$190) & Trailer Hitch ('19 Nissan Rogue) (\$136) (Less Credit Received of \$41 for Returned Office Supplies)	3,008.75
58791*	Marin County Clerk	Environmental Fees to Dept of Fish & Wildlife for Notice of Determination for Gallagher Well No. 2 Project	2480.25
58792*	Marin County Clerk	Filing Fee for Notice of Determination for New Gallagher Well No. 2 Project	50.00
1	Ameli, Venus	Refund Overpayment on Closed Account	35.70
2	AT&T	Telephone (\$72), Fax (\$89), Leased Lines (\$142) & Data (\$286)	589.72
3	Blakemore, Greg	Refund Overpayment on Closed Account	23.86
4	Borges & Mahoney	Chlorine Detector Sensor Units & Repair (3)	2,078.95
5	Cummings Trucking	Rock (64 yds)	980.00

Seq	Payable To	For	Amount
6	Diesel Direct West	Diesel (566 gal) (\$2,121) & Gasoline (800 gal) (\$2,702)	4,823.66
7	Direct Line	February (\$228) & March (\$171) Telephone Answering Service	399.44
8	E & M	Wonderware Support Renewal	3,205.00
9	Enterprise FM Trust	Monthly Leases for Chevy Colorado, F250's (2), Nissan Rogues (2), Nissan Frontier & F150's (4)	5,040.54
10	Environmental Science Assoc	Prog Pymt#7: San Mateo Tank Permitting Assistance (Balance Remaining on Contract \$30,085)	220.00
11	Fiserv/Bastogne	Returned Payment-Unable to Locate Account	137.78
12	Fishman Supply	Brief Relief Urine Bags (100) (\$259) & First Aid Supplies (\$360)	619.27
13	Ghilotti Bros	Refund Security Deposit on Hydrant Meter Less Final Bill	679.50
14	Grainger	Lights for Shop (2), Cylinder Hand Truck (\$129), Hip Waders (2) (\$232) (STP), Shoe Insoles & Safety Goggles (5) (\$94)	528.69
15	Hernandez, Augusto	Refund Overpayment on Closed Account	133.83
16	Jim-n-i Rentals	Steel Plate Rentals (5) (2 Weeks) (Landsea Homes)	433.00
17	Jones, Nancy Albrecht	Novato "Toilet Rebate" Program	100.00
18	Lincoln Life	Deferred Compensation PPE 2/28/21	8,258.40
19	Marin Color Service	Paint & Materials for Cherry Hill Electric Building	160.09
20	County of Marin	Encroachment Permits - 7 Locations	3,139.78
21	Nationwide Retirement Solution	Deferred Compensation PPE 2/28/21	920.00
22	Novato Sanitary District	November 2020 RW Operating Expense	19,475.25
23	Pace Supply	Couplings (9) (\$821), Nipples (6) (\$434), Bushings (10), Reducer (\$128) & Meter Spuds (40) (\$404)	1,844.84

Seq	Payable To	For	Amount
24	Point Reyes Light	Legal Notices 10/15/20-1/28/21; Salinity Intrusion into Pt. Reyes Well Supply (\$1,393) & Notice of WM Water Rate Study Workshop (\$160)	1,553.50
25	Pollard Water	Wrench for Meter Readers	89.84
26	Quadient	April Postal Meter Rental	143.09
27	Rockwell Engineering & Equipment	Pumps for O.M. Lift Station (2)	22,909.03
28	Sarfert, Leslie	Refund Overpayment on Closed Account	54.00
29		Vision Reimbursement	245.00
30	Smith Denison Construction	Refund Security Deposit on Hydrant Meter Less Final Bill	974.98
31	Soiland	Asphalt Recycling (17 tons)	171.10
32	Sonoma County Tree Experts	Clear Tree Limbs & Debris @ STP	5,760.00
33	Staples Business Credit	Misc Office Supplies	1,336.60
34	Talbott, Wendy	Refund Overpayment on Closed Account	33.67
35	USA BlueBook	Digital Thermometer (STP)	94.24
36	Verizon Wireless	Cellular Charges: Data (\$1,063), Airtime (\$123) & iPads for Asset Management (\$200)	1,385.80
37	VWR International	Pipettor (Lab)	175.94
		TOTAL DISBURSEMENTS	<u>\$353,272.89</u>

The foregoing payroll and accounts payable vouchers totaling \$353,272.89 are hereby approved and authorized for payment.

 _____ Auditor-Controller	3/9/2021 _____ Date
 _____ General Manager	3/9/2021 _____ Date



RECEIVED

MAR 05 2021

COMMUNITY DEVELOPMENT AGENCY
PERMITS
F 6609.20
DM 3/5/21

North Marin Water District PLANNING DIVISION

RESCHEDULED HEARING**NOTICE OF MARIN COUNTY DEPUTY ZONING ADMINISTRATOR HEARING
Gallagher Family Coastal Permit and Use Permit
Project ID P3010**

NOTICE IS HEREBY GIVEN that the Marin County Deputy Zoning Administrator (DZA) will consider issuing a decision on the Gallagher Family Coastal Permit and Use Permit during a public hearing scheduled on **Thursday, March 25, 2021 and this project was rescheduled from the hearing on March 11, 2021.** The applicant for the project is Drew McIntyre, on behalf of the North Marin Water District and property owner, and the property is located at 14500 Pt. Reyes-Petaluma Road, Point Reyes, further identified as Assessor's Parcel 119-050-17.

The applicant is requesting a Coastal Permit and Use Permit approval to construct a well as part of the North Marin Water District (NMWD) domestic water supply network. The purpose of the project is to increase the reliability of the Point Reyes Water System by allowing production of groundwater at the project site to offset production at the Coast Guard Wells. The source of water for the Point Reyes Water System consists of three wells at two sites adjacent to Lagunitas Creek. Two wells are located on U.S. Coast Guard property in Point Reyes Station ("Coast Guard Wells"), while the third well is located on water district property approximately one mile upstream ("Gallagher Well No. 1"). Recent salinity intrusion has impacted water quality from the existing Coast Guard Wells, threatening public health for municipal water users. This change in conditions has necessitated the construction of this project as an urgent matter to protect the quality of water served.

For more information about the Gallagher Family Coastal Permit and Use Permit, please visit the Planning Division's project webpage at: https://www.marincounty.org/depts/cd/divisions/planning/projects/west-marin/gallagher-family_cpup_p3010_prs. Project plans and other documents related to the application are available on the project's webpage, where you can subscribe to receive email notifications and updates. For more information about the DZA hearing, please visit the Planning Division's DZA hearings webpage at <http://www.marincounty.org/depts/cd/divisions/planning/boards-commissions-and-public-hearings/dza>.

In compliance with local and state shelter-in-place orders, and as allowed by Governor Newsom's Executive Order N-29-20, the DZA will not be providing a location for the public to attend the hearing in person. Members of the public may attend and participate in this DZA hearing online, using Zoom. To participate in a DZA hearing please visit the DZA hearings webpage at <http://www.marincounty.org/depts/cd/divisions/planning/boards-commissions-and-public-hearings/dza> and follow the instructions provided.

DZA hearings normally begin at 10:00 AM, but a more precise time will be indicated on the hearing agenda posted on the DZA hearings webpage one week before the hearing. A staff report will be available on the project webpage and the DZA hearing webpage on the Friday before the hearing, March 5, 2021.

The decision on this application is appealable to the Planning Commission. In addition, this project is appealable to the California Coastal Commission under Section 30603(a) of the California Public Resources Code. If you challenge the decision on this application in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Planning Division during or prior to the public hearing. (Government Code Section 65009(b)(2).)

February 15, 2021

Immanuel Bereket
Senior Planner

Requests for accommodations may be made by calling (415) 473-4381 (Voice) 473-3232 (TDD/TTY) or by e-mail at disabilityaccess@marincounty.org at least four work days in advance of the event. Copies of documents are available in alternative formats, upon request.



Russian River Biological Opinion Public Policy Facilitating Committee Annual Meeting Agenda

Tuesday, March 9, 2021

2 p.m. – 4 p.m. (Via Zoom)

Visit: www.sonomawater.org/ppfc2021 to register

WELCOME & PPFC PANEL INTRODUCTIONS

Sonoma County Supervisor and Sonoma Water Director James Gore

INSTRUCTIONS FOR ZOOM PARTICIPATION

BRIEF OVERVIEW OF 2020 PROJECTS & 2021 PREVIEW

Sonoma Water Environmental Resources Staff

Dry Creek Project Update

David Manning, Sonoma Water Environmental Resources Manager

Joél Flannery, U.S. Army Corps of Engineers

Technical Paper: Flood Patterns and the Dry Creek Project

David Manning, Sonoma Water Environmental Resources Manager

Josh Epstein, Interfluve

Estuary Management for Salmonids

Jessica Martini-Lamb, Sonoma Water Environmental Resources Manager

Josh Fuller, National Marine Fisheries Service

Fish Habitat Flows & Water Rights Project Public Outreach

Jessica Martini-Lamb, Sonoma Water Environmental Resources Manager

Barry Dugan, Sonoma Water Principal Programs Specialist

PUBLIC COMMENT

ADJOURNMENT

For more information, please visit www.sonomacountywater.org/rrifr or contact Barry Dugan at (707) 547-1930.

Disabled Accommodation: If you have a disability which requires an accommodation, an alternative format, or requires another person to assist you while attending this meeting, please contact the Sonoma County Water Agency at (707) 547-1930, as soon as possible to ensure arrangements for accommodation.

Novato drought measures weighed

LOW RAINFALL

North Marin considering water conservation order

Marin Independent Journal

By Will Houston

whouston@marinij.com

The North Marin Water District is considering the need for a voluntary or mandatory water conservation order in Novato in response to record- low rainfall.

The district has recorded just under 7 inches of rain, the lowest amount for this time of year since records began in 1916, according to Drew McIntyre, the district's general manager. This makes up only 26% of the average rainfall the district typically sees in a year.

Absent "miracle March" downpours, McIntyre said, mandatory conservation rules could be needed.

"If we don't get any more rain then I anticipate we're going to have some measures in effect similar to those previous years that were dry years," he said.

The last time the district implemented mandatory conservation measures in the greater Novato area was in 2014 and 2015, when residents were required cut water use by 24%.

The North Marin Water District board plans to meet on March 16 to consider ordinance changes to allow faster conservation rules. Any conservation orders will likely be decided in April as the rainy season nears its end. At that time, the district will have more water supply data from Sonoma Water, which provides about 70% of the district's water supply through the Russian River.

Meanwhile, the North Marin Water District is pumping 600-acre feet of Russian River water into Stafford Lake to bolster supplies for the summer. That amount represents about 30% of the normal demand of the reservoir during the summer, McIntyre said. While expensive, this backfeeding tool has been used by the district during past dry years dating back to the 1976-77 drought.

McIntyre said the district plans to fill the lake from 30% capacity to at least 50% capacity in the coming months. That is expected to cost about \$221,000.

The lake has 1,300-acre feet of water stored, well below the average of 3,200 acre-feet for this time of year.

Unlike the water rationing plan recently adopted in Bolinas, where residents and businesses are given a set daily limit, any conservation measures in Novato will be measured by collective conservation.

“If you look at our water use prohibitions that we’ve used in the past that could most likely be implemented again, it’s mostly addressing outside irrigation,” McIntyre said.

Under this collective conservation model, Stephanie Koehler, executive director of the Novato Business Association, said she doesn’t expect any significant impacts on businesses. Many restaurants and cafes have continued practices from the 2014-2015 drought, such as serving water only by request.

“I feel like we learned how to do it last time, and of all of the crazy problems we’ve had, I don’t feel like this will be a big one,” Koehler said.

What Koehler is more concerned about is how the lack of rain will impact wildfire risk and the potential for emergency power shutoffs.

“Those are the things that really crush business,” Koehler said.

Also new since the last drought is the installation of “smart” water meters. Additionally, large water users — including the city, the Novato Unified School District and three car washes — have begun using recycled water, which lessens the demand on Stafford Lake. The district’s annual recycled water use equates to about 25% of Stafford Lake’s water supply, McIntyre said.

North Marin Water District’s 1,800 customers in Point Reyes Station, Olema, Bear Valley and Inverness Park have already been under a conservation order since April. Under the order, the customers are asked to voluntarily cut use by 15% between Nov. 1 and June 1, then required to reduce use by 25% from June through Oct. 31. The customers rely on three groundwater wells that are partly fed by Lagunitas Creek.

At least 28 inches of rain needs to fall at the Mar in Municipal Water District’s Kent Lake between October and April to lift the order. So far only about 17 inches have been recorded, according to district data.

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Water sector applauds House leadership for affordability program boost



On Friday, the House of Representatives passed the *American Rescue Plan Act*, legislation to deliver additional COVID-19 relief that contains \$500 million for low-income water utility bill assistance. This new funding for low-income water assistance comes in addition to the initial \$638 million provided in the December 2020 FY21 Consolidated Appropriations Act.

In February, Nathan Gardner-Andrews, general counsel and chief advocacy officer for the National Association of Clean Water Agencies (NACWA), said the water sector applauds the efforts made to deliver the \$500 million in funds to low-income customers, but added that the money comes “nowhere near to meeting the financial needs facing millions of Americans right now who are struggling to pay water and sewer bills.”

NACWA and the Association of Metropolitan Water Agencies (AMWA) have issued the following joint statement.

“The public water sector is grateful to the U.S. House of Representatives for including \$500 million in additional assistance to low-income water customers in the *American Rescue Plan Act*. This funding recognizes the critical role of public drinking water and clean water services and the increased strain many households are facing in paying their water bills as a result of the COVID-19 pandemic and ensuing economic downturn.

“NACWA and AMWA are currently working to center this critical issue through our joint Affordable Water, Resilient Communities campaign. Increasing water rates continue to present an affordability challenge for many households across the country, particularly in light of increasing economic pressures which have been exacerbated by the COVID-19 pandemic.

“On behalf of public water utilities working around the country to maintain safe, reliable, and affordable water services, we strongly applaud the House for recognizing and addressing this need, and we look forward to the Senate doing the same. In the months ahead, we will continue to work with the 117th Congress and Biden administration to further assist customers in need and local utilities that are suffering under the effects of these crises.”

NACWA and AMWA extend a special thanks to House Speaker Nancy Pelosi (D-Calif.) and Congressional leadership from both parties for their continued support of water sector funding.

Source: NACWA, AMWA

It's a dry year. Save water with North Marin Water District.

Due to unusually low rainfall this winter and below average rainfall conditions last year, North Marin Water District's water storage levels are particularly low. The District, which serves a suburban population of 63,940 people situated in and about the City of Novato and West Marin, is asking for the public's help in conserving water and preserving the community's water sources — including Stafford Lake, Lake Mendocino, Lake Sonoma, and the Russian River.

North Marin Water District is proud to be part of the Sonoma-Marín Saving Water Partnership, which represents Sonoma Water and its retail water contractors that deliver drinking water to more than 600,000 residents in the North Bay. The Sonoma-Marín Saving Water Partnership encourages customers to use water saving practices both inside and outside their homes and businesses as a way of life. However, now is a time to be particularly vigilant due to the low amount of rainfall received this year. The Partnership has come together to seek the community's help in saving water, and North Marin Water District hopes you will join this important mission.

How can you get involved? North Marin Water District and the Sonoma-Marín Saving Water Partnership recommend making small changes around your home that can really add up. Some examples include turning off your irrigation system in the winter and manually watering only when the soil below the surface is dry; applying mulch outdoors to retain moisture and prevent soil erosion; running only full loads of laundry and dishes; scraping food scraps into the compost instead of the garbage disposal; turning off the water while you lather or brush

your teeth; not using the toilet as a trash bin; using a broom instead of a hose to clean patios and driveways; replacing inefficient toilets with new high-efficiency models; and fixing water leaks.

The District is running a social media campaign to share these (and more) water saving tips over the coming weeks. Customers are welcome and encouraged to share these tips with friends and family so everyone can work together to make a difference.

"Conserving water is easier than you might think," said Drew McIntyre, General Manager of North Marin Water District. "Small changes around your home can make a big difference, especially if each household can commit to just a few. We hope our campaign will help make this an easy and fun activity for families, and we're confident that together we can conserve resources, successfully navigate this dry year, and continue to conserve water well into the future."

In addition to the customer water saving campaign, The District has embarked on large-scale, long term projects to help preserve potable water for dry year conditions. These projects include the expansion of recycled water usage to large landscapes, including many parks and schools in Novato; additionally, The District's WaterSmart customer portal gives customers access to hourly water use intervals and the ability to set leak and high-use alerts to keep water use as efficient as possible.

*Learn more about the
Sonoma-Marín Saving Water
Partnership at :
savingwaterpartnership.org
or visit: NMWD.com.*

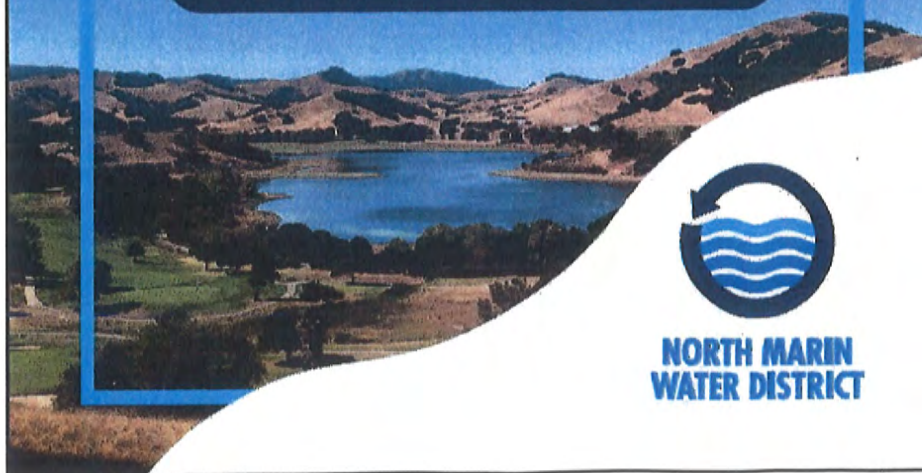
Novato Advance

Your local water district for the greater Novato area

We're here to help you:

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

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



**NORTH MARIN
WATER DISTRICT**

Novato Advance

State likely faces critically dry year, water officials say

SNOWPACK RUNOFF

Marin Independent Journal

By John Antczak

The Associated Press

California will likely face a critically dry year with much less runoff from the Sierra Nevada snowpack than normal and reservoirs that already are showing the impact of winter precipitation that is well below average, state water authorities said Tuesday.

The state Department of Water Resources' latest survey from a network of electronic stations found that the water content of the overall snowpack was 61% of the historical March 2 average and 54 percent of the average on April 1, when it is historically at its maximum.

Surveys of the Sierra snowpack, which normally supplies about 30% of California's water, are a key element of the department's water supply forecast. December, January and February are typically the wettest part of the so-called "water year," which starts on Oct. 1 each year.

"As California closes out the fifth consecutive dry month of our water year, absent a series of strong storms in March or April we are going to end with a critically dry year on the heels of last year's dry conditions," Karla Nemeth, the department's director, said in a statement.

She added: "With back to- back dry years, water efficiency and drought preparedness are more important than ever for communities, agriculture and the environment."

The snowpack was doing better in the northern and central Sierra than in the southern end of the range, said Sean de Guzman, the department's chief of snow surveys and water supply forecasting.

De Guzman manually surveyed an area at Phillips Station, south of Lake Tahoe, where measurements date to 1941. He found a snow depth of 56 inches and a "snow water content" of 21 inches, translating to a water content 86% of average to date and 83% of the April 1 average.

De Guzman said the impact of a second consecutive dry year were starting to be seen at the state's largest reservoirs, which are currently storing between 38% and 68% of their capacity.

Lake Shasta, the state's largest surface water reservoir, was at 50% of capacity, he said.

"This year has been similar to water year 2014, which was the third year of California's most recent severe drought, which lasted from 2012 to 2016," de Guzman said in a webcast from the Sierra site.

De Guzman noted that during that drought, 2014 and 2015 were California's warmest two years on record and that the calendar year of 2020 was the third warmest on record.

"Although we can't predict how much precipitation California will receive for the remainder of the year, without any series of storms on the horizon it's safe to say that we'll end this year dry so it's important that we'll have to plan accordingly," he said.

De Guzman said a change in the weather pattern would begin this week "but still it's nothing too significant of a storm to write home about quite yet."

The long-term forecast did not raise any expectation of a return to a normal water year, he said.

While the snow survey focuses on water supply, the department noted that precipitation helps stem wildfires. The latest U.S. Drought Monitor report showed more than 99% of California has indicators of drought or abnormal dryness.

The next snowpack survey will be conducted on April 1.

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Wednesday, 03/03/2021 Page .A05

Saturday Soapbox

Marin Independent Journal

North Marin Water District should share plan

Climate change, with appreciably less rain, has created drought conditions with dwindling water supplies and the possibility of an early and more dangerous wildfire season. In addition, the Association of Bay Area Governments is furthering water demand with the mandate to increase the number of housing units in Novato, as well as other Marin communities.

Stafford Lake water storage, which is 20% of North Marin Water District's supply, is very low and the forecasts do not indicate robust rain soon. Sonoma County's Russian River watershed supplies 80% of NMWD's water. It has had limited amounts of normal rainfall since last July.

So, what are some of the options available to increase water supplies?

Rick Johnson, in his recently published Marin Voice commentary ("Advanced metering, desalination would bolster water supply amid construction mandates," Feb. 4), pointed out that NMWD should consider desalination. I concur. A desalination plant should be built, but it takes time to bring the plant on line. Another long-range plan that should be considered is building a reservoir. In addition, customers must conserve more water or water usage should be limited.

We should also consider dredging. It is a relatively simple and less expensive solution to capture more rainwater. Dredging can be implemented within months to add water storage capacity to Stafford Lake by adding depth. A self-contained dredge, on a floating barge with its own pumps to suck the spoils from the lake bottom and pump the slurry onto the shore may be a solution. The dredged materials could then be dried and sold as top soil.

I am not the only water customer asking about NMWD's plans to supplement our limited water supply. Shouldn't the NMWD Board of Directors be communicating with its customers, outlining their immediate and future plans?

— *Charles Wallace, Novato*

Marin knows conservation will be big help

Editorial

Marin Independent Journal

Marin finds itself facing an all too familiar challenge.

The 2020-21 rainy season on which we depend to fill our local and regional reservoirs has amounted to a drizzle, compared to the normal dose of wet weather. February was a bust when it came to rain and March isn't expected to make up for it.

Anyone paying attention to the recent weather shouldn't be surprised that talk of water restrictions has resurfaced.

The Marin Municipal Water District, the county's largest water agency, has already called for voluntary conservation and is warning that mandatory cutbacks may be needed to get through the summer.

Similar measures are being considered by the North Marin Water District, which serves Novato and a large swath of West Marin.

The tiny Bolinas Community Public Utility District has already adopted a water rationing plan for its customers.

We've been here before. In fact, water conservation is almost a consciousness in Marin households, especially those who had to cut back during prior droughts.

Just a decade ago, increasing conservation helped shelve MMWD's costly and much-debated plan to build a desalination plant.

Also left on the shelf was any serious planning for increasing our local water supply. Given the promise of state mandated housing growth, Marin's water districts need to broach this issue.

As there has been no real growth in supply — other than by conservation — enduring these drier years by cutting back water use is really the only option. The challenging question is by how much.

For instance, during the 2014-15 statewide drought North Marin customers were required to cut water use by 24%. The timing and duration of automatic sprinklers were cut back, if not replaced by hand watering our lawns and landscaping replaced with drought-tolerant alternatives.

People have showered with buckets, installed residential cisterns and installed appliances and fixtures that conserve water. Across Marin, we were able to surpass statewide cutback orders.

Now is the time to once again examine our personal water use with an eye on reducing the amount we are using. It takes a community consciousness to weather these recurring periods. Measures taken since 2014-15, such as using more recycled water for outdoor irrigation, should pay off this summer.

But our biggest tool in approaching another dry spell is for every household and every business or institution to do their part and reduce their water consumption wherever they can.

We should be getting pretty good at it by now.

We've been here before. In fact, water conservation is almost a consciousness in Marin households, especially those who had to cut back during prior droughts.

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Sunday, 03/07/2021 Page .A16

Water district board president committed to conservation partnership

MARIN VOICE

Marin Independent Journal

By Cynthia Koehler

With reservoirs low from some of the driest weather in decades, Marin Water is now in the early stages of drought and we are asking everyone in the community to partner with us in conserving water. Only 20 inches of rainfall was recorded at Lake Lagunitas last year, less than half the average rainfall we typically see. In fact, 2020 was the second driest year in 90 years. We entered March with reservoir storage levels at 56% of total capacity, compared to the 90% average we expect this time of year.

As Marin County's largest drinking water provider, we have a special responsibility to act early and prepare. Our first step is to ask our customers to voluntarily conserve by making some important changes to indoor and outdoor water use.

Marin Water staff estimates that 50% of local residential water use occurs outside. Turning off your irrigation system and watering by hand when necessary can save large amounts of water. Other tips from our conservation staff include limiting outdoor watering to three times a week, and being sure to use a hose with a shutoff nozzle. The water district provides free water-efficient nozzles, faucet aerators and showerheads.

The changing climate means hotter, drier weather, and possibly longer and more frequent droughts. Marin Water is addressing this through a renewed program of consumer incentives to increase local water use efficiency not just for this year, but for the long term. For example, installing a smart irrigation controller that automatically adjusts to local weather and landscapes to deliver just the right amount of water your plants need, saves water and money. Greywater systems that recycle water from your washer for irrigation use are also a great way to reuse water. Marin Water provides rebates for smart irrigation controllers and grey-water kits.

Lawns use an enormous amount of water. With the hot summer months approaching, replacing your lawn now will make a big difference in your water use and save you money on your bill for years to come. The district offers rebates for replacing your lawn, or you can take advantage of our free mulching material and water-saving irrigation kits, delivered to your home free of charge.

Even small changes can have a major impact, such as fixing leaks promptly and opting for a professional car wash that recycles water instead of washing your car at home. Collectively, these small adjustments make a big difference.

To help get the conservation message out to all of our customers, we have launched a public awareness campaign to provide conservation tips, information about conservation rebates and

details about how to spot water waste. Watch for our conservation inserts and newsletters in your bills, follow us on social media and please share our conservation posts with friends and family. Information about conservation and water-efficiency resources are also on our website at MarinWater.org/Conserve.

Saving water is a partnership, and we are here to help. We also offer rebates and resources for local businesses. You can see a full list of rebates and learn how to apply for them at MarinWater.org/Rebates, or email our water-efficiency team at Conservation@MarinWater.org, or call 415-945-1520.

Our community has faced drought before. Conservation along with a “March miracle” series of rainstorms saw us through those times. While the weather is unpredictable, what we do know is that our customers are conservation-minded and will join us in saving water. Water use efficiency is our most cost-effective source of water supply and we have a range of programs and incentives to support our customers not just this year, but for the long term. *Cynthia Koehler is president of Marin Water’s board of directors.*

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Sunday, 03/07/2021 Page .A17

Water Agencies Seek Relief for Ratepayers

Drinking water and clean water agencies are looking to President Joe Biden's \$1.9-trillion COVID-19 stimulus plan for additional relief as many continue to provide service to millions of customers unable to pay their bills. And those delinquencies hurt even more than they would have in the past because federal and state money for water infrastructure has been declining in recent years.

Steve Dye, the Water Environment Federation's director of legislative affairs, says, "The majority of utilities generally haven't had to make major cuts for immediate planning or immediate funding needs yet, because [most] have reserves to draw from."

But Dye says that most water utilities have begun to tap into reserves, and "are making some decisions regarding long-term projects." For example, a utility may choose to delay a project planned to begin in 2022 by a year or more, he says.

Washington, D.C.-based DC Water has not had to rely on reserves, according to David L. Gadis, its CEO and general manager. But DC Water has seen consumption dip and late or delinquent payments from ratepayers rise. As a result, Gadis says, "We have delayed some infrastructure investments, including small-diameter water and sewer projects [and are] prioritizing current projects underway ... that are mandated, those that are grant-funded and critical work."

Biden's \$1.9 trillion plan includes \$5 billion for home water and energy, costs and arrears. The relief bill will likely be attached to the budget resolution during reconciliation, a process that allows approval by a simple majority vote in the

Senate. That cuts down on GOP lawmakers' ability to filibuster the package. Reconciliation may only be used once per fiscal year, and all amendments and supplementary packages must be germane to the budget. Lawmakers in both chambers approved the budget resolution for fiscal 2022 on Feb. 5, and Democratic leaders say they hope to pass the coronavirus relief bill by the end of Feb-

to households facing rising water bills," said Diane VanDe Hei, the Association of Metropolitan Water Agencies' CEO.

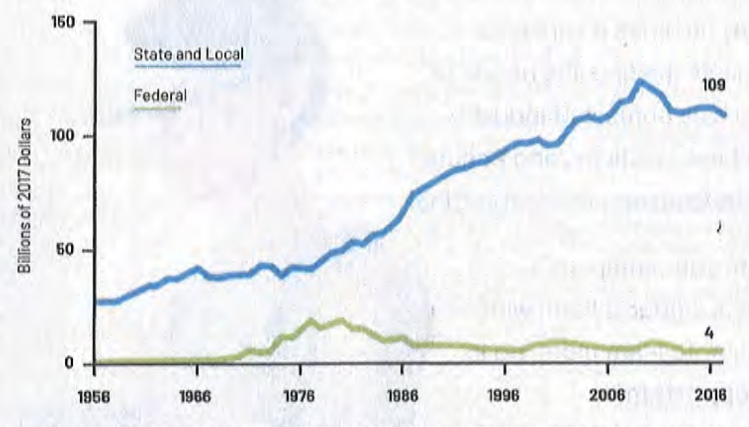
Ratepayers and water agencies got some help in the December COVID-19 relief measure that then-President Donald Trump signed Dec. 27. In that legislation, lawmakers allocated \$638 million for a new Low-Income Water Customer Assistance Program (LIWCAP), which provides short-term relief

to low-income households. It is similar to other federal programs that provide federal money for people in need of help paying for food and home heating.

The program will provide the funds to the Dept. of Health and Human Services, which will disseminate them.

LIWCAP's creation was "significant, both in the [funding] number, and it was also the first time Congress has ever appropriated federal

FEDERAL GOVERNMENT'S AND STATE AND LOCAL GOVERNMENTS' SPENDING ON WATER UTILITY INFRASTRUCTURE, 1956-2017*



*INCLUDES WATER SUPPLY AND WASTEWATER TREATMENT FACILITIES. SOURCE: CONGRESSIONAL BUDGET OFFICE, OCTOBER 2018

ruary through the reconciliation process as part of the budgetary proceedings.

Biden's Relief Bill

A group of GOP senators proposed a more modest \$618-billion relief bill, but Biden said Feb. 5 the dismal unemployment numbers for January have prompted him to push to use reconciliation to enact his full relief package. Biden said, "I'd like to be doing [a relief bill] with the support of Republicans. ... But they're just not willing to go as far as I think we have to go."

Officials from several water sector groups say water utilities have been hit hard by the pandemic. "Aging water infrastructure and expanded regulatory mandates are expected to put additional upward pressure on local water rates in the coming years, and the COVID-19 pandemic has only added additional stress

funding for ratepayer assistance," for water utilities, says Kristina Surfus, National Association of Clean Water Agencies' managing director for government affairs. "However," she adds, "it's not near the actual need, estimated around \$8 billion in outstanding bills."

Water utilities also would like to see more federal funds targeted for water infrastructure. Dye says, "We haven't gotten a lot of traction" yet for including such funding in the proposed new relief package. But he's hopeful lawmakers will consider adding the funds to that bill or a broader infrastructure package. Surfus also says that leaders of the Senate Environment and Public Works and House Transportation and Infrastructure committees have expressed interest in developing a comprehensive water infrastructure bill in coming months. ■

By Pam McFarland

POINT REYES LIGHT

Bo holds off on rationing

By Anna Guth
03/03/2021

Bolinas residents anticipating mandatory water rationing to take effect March 1 received some 11th-hour relief. As long as overall use in the village does not rise above current levels, conservation measures will remain voluntary, according to a resolution passed by the Bolinas Community Public Utility District last week.

“We are likely to have the mandatory restrictions kick in, but people are in control of their own destiny on that if we can keep the consumption where it needs to be,” general manager Jennifer Blackman said.

Rainfall has not improved since the district began preparing to ration water earlier this year: The tally was 13.7 inches last week, less than half of the average rainfall. Yet overall consumption is below the amount the district determined was necessary to avoid a dire supply shortage by the end of the year, leading them to recommend holding off on rationing.

The district is prepared to ration on a moment’s notice, however. Last week’s resolution puts in place a trigger mechanism: If overall water consumption goes above 76,000 gallons a day—or 125 gallons a day per connection—as averaged over a seven-day period, a mandatory rationing program will take effect. Currently, consumption is averaging 66,284 gallons a day.

Should rationing be enacted, every connection must fall within a weekly average of 125 gallons a day, regardless of how many people or units are on a property. There are 14 exceptions for entities such as the restaurants, laundromat, school and community center, as there were during the town’s last and only other rationing, in 2009.

If the users exceed their weekly limit once or twice, they will receive an immediate written warning; a third violation will result in service being discontinued, though the board would hold an emergency public meeting to consider the infringement should the customer wish.

Meanwhile, the district is trying to help customers tighten their belts. Residents can track the village’s water use on BCPUD’s website, and are encouraged to retrofit indoor plumbing fixtures with low-flow devices, check for leaks, discontinue automatic irrigation systems and refrain from washing cars.

If rationing is implemented, residents can apply for an exception, which could be granted if they show it would pose a threat to health, sanitation or fire protection, or have other adverse effects like job loss.

Ms. Blackman told the utility district board last Wednesday that she hoped customers would not be forced to ration, but underscored that water use historically goes up beginning in the spring. She projects that in the worst-case scenario, without a drop more of rain, supply would run dry by November if use stays where it is today—and faster with a seasonal increase.

The driest years of the past seven decades had an average rainfall of 20.7 inches. Assuming rainfall reached that average, the limit of 125 gallons a day per connection would get the village through to the next rainy season. Originally, district staff recommended a ration of 100 gallons per day, but conceded after receiving pushback from community members, some of whom worried about evictions and inequalities.

On Wednesday, board member Don Smith said he was uncomfortable planning for 20.7 inches, considering that less rain would put the district in a worse position. Fellow members agreed it was somewhat of a gamble, but ultimately the board unanimously approved the resolution.

“Jennifer and the staff have taken a thoughtful and balanced approach here, in terms of looking closely at what our water status is... and coming up with as reasonable approach as they can based on what we know in this moment,” Lyndon Comstock said. “Don’s concerns are entirely appropriate, and I think the upshot from that is that if his concerns come to pass, we are going to have to change what the limits are and reduce them further. We will all be in catch-up mode.”

POINT REYES LIGHT

Inverness group asks IPUD to take lead on tax proposal

By Anna Guth
03/03/2021

The debate over whether a parcel tax in Inverness is the best way to prepare for drought and wildfire simmered down last week. The Inverness Foundation, which floated the idea of a tax to the community in January, stepped back, saying the Inverness Public Utility District should take the lead. The Inverness Foundation had surveyed voters on their interest in a parcel tax, listing a series of specific fire and water projects. One hundred and ninety-five people responded, or 36 percent of voters, and 79 percent favored a 20-cent per square foot structure tax. Fifty-three percent of respondents favored a higher, 30-cent tax. The tax was intended to generate funds for hazardous fuel removal projects on private property and nearby state and federal lands; it also hoped to cover the cost of IPUD infrastructure improvements to mitigate leaks and improve storage capacity. The foundation envisioned that the district would manage the funds. Despite the positive survey results, Inverness Foundation board members agreed at a public meeting last Tuesday to forgo pursuing the measure in response to public pushback, saying many people have said they prefer that IPUD take the lead. “Frankly, I would like to move to defer action on doing our own initiative here, and ask the Inverness Public Utility District to consider the results of this survey, both in terms of support of a parcel tax to gain money for these purposes and recognizing their interest in all of these programs,” said Jerry Meral, the board member who originated the idea. Should IPUD, a public agency, sponsor a parcel tax measure, the tax would need a two-thirds majority to pass. By contrast, an Inverness Association-sponsored measure would need only a simple majority. Mr. Meral said the survey indicated that an IPUD tax could pass. Last Wednesday was the first time the utility district’s board discussed the idea publicly. Jim Fox, the fire chief and water superintendent, and Wade Holland, a longtime district employee, expressed a series of concerns about the specific measures developed by the foundation. Many of the infrastructure improvements and fire initiatives—conducted in tandem with the Marin Wildfire Prevention Authority—were already underway, they said. They described three principal concerns about taking over the responsibilities listed in the foundation’s proposal: the overhead cost of administering the new programs; the fact that the volunteer fire department has jurisdiction only over structure fires, not wildland fires; and laws prohibiting public agencies from making a gift of public funds to private individuals. IPUD board members decided to return to the topic next month. “My personal view is that this is not something we should disregard and pretend does not exist,” board president Ken Emanuels said. “There is a lot of concern about fire safety as well as water conservation. And a number of these issues Jim [Fox] raised are just uncertainties—legal issues that we need to get a good briefing on [to know] what we can and cannot do.” Mr. Fox responded that the tax proposal touched on issues that the district is already working on. “It’s just that they have rolled these all up into one big package that didn’t separate out a lot of wishful thinking from things we are concerned with and have been concerned with,” he said.

Wednesday soapbox

Water districts need to control biggest users first

Marin Independent Journal

As a Marin native, I'm well aware of what we're all up against when it comes to water conservation and droughts. I have a problem with a broad stroke approach to mandatory water conservation in Marin using a "percentage of use" for all consumers.

An across the board 25% mandatory reduction in water use rewards those high consumption water users for not conserving at all.

The many residents who regularly live within about half of tier 1 usage (or less) have little room in their use for yet another 25% reduction. Asking those of us who already conserve to reduce our already comparatively low usage is not only completely inequitable, but it discourages future conservation by rewarding consistently higher consumption. It's a well documented fact that a high percentage of a Marin household's water use is for irrigation purposes.

What Marin water districts need to do is specifically target those consumers with use in tiers 2, 3, 4 and beyond. That's where the big water consumers have more than plenty of room for a 25% or greater reduction, not those consumers living well within tier 1.

— *Matt Cramer, Mill Valley*

Wednesday, 03/10/2021

County secures another \$8.4M in aid for renters

FEDERAL FUNDS

Marin Independent Journal

By Richard Halstead

rhalstead@marinij.com

Marin County has accepted another \$8.38 million in federal aid for renters, adding to the \$7.8 million it took in last month.

The funding influx comes from the coronavirus relief legislation that Congress approved in December, a sequel to the federal aid package from last year. The county must spend the money by Aug. 31 or risk losing some of it.

The funds can be used to pay owed rent and utility bills incurred from April 1, 2 020, through March 31.

Landlords aren't the only ones waiting to be paid. At the end of last year, some 7,500 Marin Municipal Water District customers, 12% of the district's total, had bills that were more than 60 days overdue. The district is giving ratepayers up to five years to pay their overdue bills.

The county's new relief program is designed to have tenants and landlords file applications jointly. If landlords agree to forgo payment of 20% of the amount owed, grant money may be used to pay the remaining 80%. If landlords decline to participate, tenants may still apply for a grant to cover 25% of their back rent from the period.

A state law signed on Sept. 1 provided eviction protection to tenants who paid 25% of the rental debt they accrued between Sept. 1 and Jan. 31.

On Jan. 29, Gov. Gavin Newsom signed Senate Bill 91, which extended the eviction moratorium through June 30. Under SB 91, tenants must pay 25% of back rent accrued since Sept. 1 by June 30 or be subject to eviction.

Joby Tapia, secretary of the Marin Rental Property Association, said the county is still ramping up administration of the program, and it has been difficult for landlords to seek information over the phone.

"It's too early to tell if any landlords are going to say yes or no," Tapia said. "I think it is going to be a good program at the end of the day for the owners who are hurting the most."

Leelee Thomas, a county planning official, told the Board of Supervisors this week that the county is assembling a team that will include five bilingual intake workers from a community

organization. A consultant will be hired also to develop software for an online application and reporting process.

Prior to this new infusion of rental assistance funding, about \$5.7 million had been dedicated to this purpose, with \$2.5 million coming from the Marin Community Foundation, \$2.24 million from the federal government and \$1 million from the county's general fund.

Thomas said until now the county has contracted with community organizations to dispense the rental assistance funds.

"We are restructuring the program to respond to some of the requirements under the state and federal guidelines," she said.

Chief among those are the short deadlines for spending the money.

"Our rental assistance team will be balancing these quick expenditure guidelines with our equity goal, ensuring that those who have been most disproportionately impacted by the pandemic will receive assistance," Thomas said.

Thomas said that since the beginning of the pandemic, the county has overseen about 1,800 rental payments totaling more than \$4 million to landlords. She said there are another 1,900 names on the county's rental assistance waiting list.

With the recent \$16.2 million disbursements of federal grant money, Thomas expects to meet the needs of everyone on the waiting list with money left to spare.

Supervisor Katie Rice asked Thomas if the funding might wipe out all of the back rent owed by Marin residents because of the pandemic.

"We don't have an estimate of total arrears," Thomas said. "We really don't know what is out there."

Thomas said it is difficult to gauge the total need since the county has focused so far on getting rental assistance to the most economically disadvantaged Marin residents, people at or below 30% of area median income.

The first of two application periods for the new grant money will prioritize people at 50% or below the area median income.

Thomas said the county has discovered, surprisingly, that some of Marin's poorest residents, many of them Latino, have managed to pay their rent during the pandemic.

"They've borrowed from family, friends, employers or check cashing companies," Thomas said. "In some way, they've scraped it together."

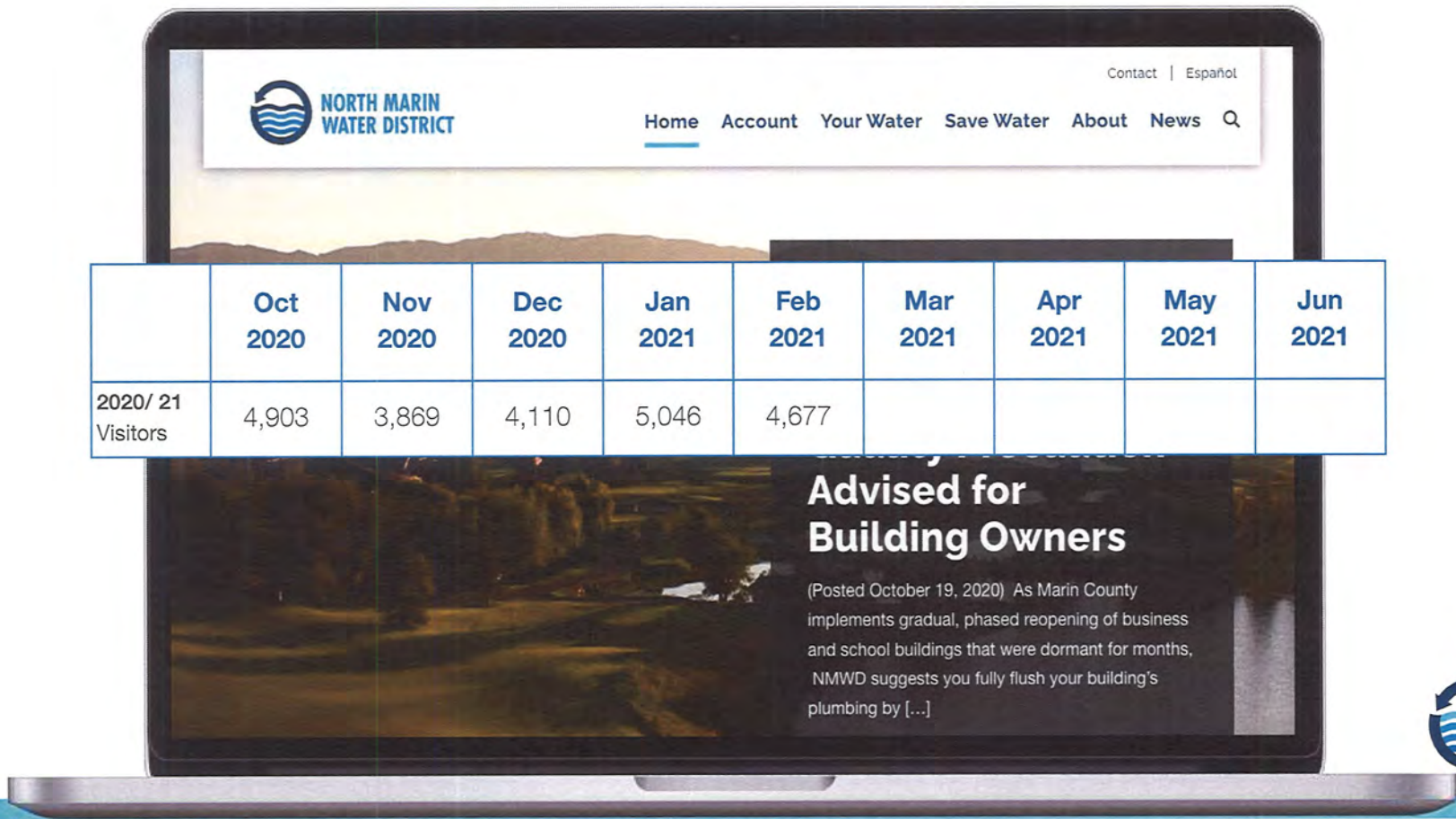


**NORTH MARIN
WATER DISTRICT**

Web & Social Media Report

February 2021

Website Statistics



	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021
2020/ 21 Visitors	4,903	3,869	4,110	5,046	4,677				

Advised for Building Owners

(Posted October 19, 2020) As Marin County implements gradual, phased reopening of business and school buildings that were dormant for months, NMWD suggests you fully flush your building's plumbing by [...]



Social Media Followers

	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021
 Facebook Likes	1,185	1,186	1,188	1,186	1,181				
 Twitter Followers	14	14	17	21	24				
 Instagram Followers	402	414	431	439	457				



NMWD Most Visited Pages

Pages	Unique Pageviews	% of Total
Home	3,013	32.49%
Online Billing	1,621	18.93%
Watersmart	500	6.04%
Meetings 2021	231	2.52%
Your Water Statistics	225	2.43%
Contact	201	2.07%
Novato Water	195	1.96%
Employment Opportunities	190	1.93%
About	154	1.62%
Human Resources	134	1.55%



February News

West Marin Service Area Rate Study

(Updated February 22, 2021) NMWD has begun a detailed study of the current water rates for the West Marin Service Area. This study is being conducted by an independent outside [...]

[Read More](#)





February Social Media Highlights | Facebook



52 people reached | 2 engagements



59 people reached | 2 engagements



42 people reached | 1 engagements

Engagements include likes, reactions, clicks and comments





February Social Media Highlights | Facebook



North Marin Water District

Published by Hootsuite [?] · 9 February ·

Never flush wipes, tissues, masks, gloves, or paper towels. Visit nmwd.com/its-a-dry-year-save-water-with-us for more water saving tips.



52 people reached | 1 engagements



North Marin Water District

Published by Hootsuite [?] · 11 February ·

Sweep off patios, decks, sidewalks, and driveways with a broom rather than a hose. Visit nmwd.com/its-a-dry-year-save-water-with-us for more water saving tips!



37 people reached | 2 engagements



North Marin Water District

Published by Hootsuite [?] · 13 February ·

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



38 people reached | 1 engagements

Engagements include likes, reactions, clicks and comments





February Social Media Highlights | Facebook



North Marin Water District

Published by Hootsuite [?] · 16 February ·

Look for the 'water smart plant' label at participating local nurseries. Visit nmwd.com/its-a-dry-year-save-water-with-us for more water saving tips.



37 people reached | 0 engagements



North Marin Water District

Published by Hootsuite [?] · 18 February ·

Only run the dishwasher when it's full. It will help save water for the dry year ahead, and save money on your water bill. Visit nmwd.com/its-a-dry-year-save-water-with-us for more water saving tips.



44 people reached | 0 engagements

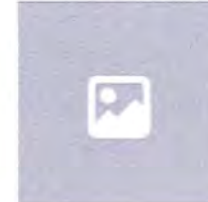


North Marin Water District

Published by Ryan Grisso [?] · 19 February ·

West Marin Service Area Customers of North Marin Water District: You Are Invited to a SPECIAL BOARD MEETING and WEST MARIN WATER RATE STUDY WORKSHOP

Tuesday, February 23, 2021 6:00 pm... See more



NMWD.COM

West Marin Service Area Rate Study - North Marin Water District

(Updated February 17, 2021) NMWD has begun a detailed study of the current water rates for the West Marin Service Area. This study is...

47 people reached | 3 engagements

Engagements include likes, reactions, clicks and comments





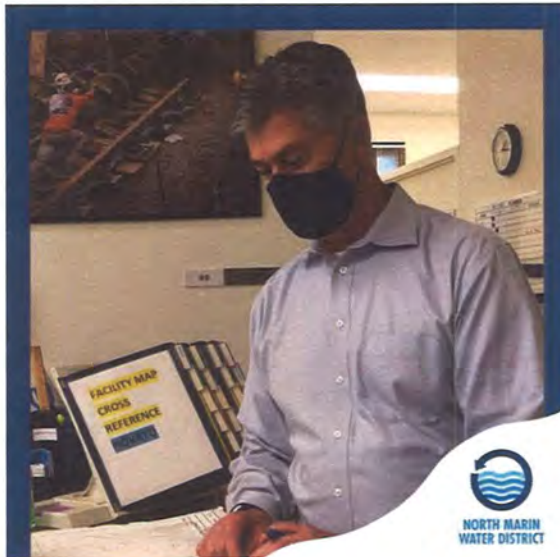
February Social Media Highlights | Facebook



North Marin Water District

Published by Hootsuite [?] · 22 February ·

It's #NationalEngineersWeek, and we are celebrating the great work that our trusted engineers do everyday!



123 people reached | 13 engagements

Engagements include likes, reactions, clicks and comments



North Marin Water District

Published by Hootsuite [?] · 23 February ·

Check your water meter regularly and perform a toilet dye test. Visit nmwd.com/its-a-dry-year-save-water-with-us for more water saving tips.



39 people reached | 0 engagements





February Social Media Highlights | Facebook

 **North Marin Water District**
Published by Hootsuite [?] · 6d · 🌐

North Marin Water District offers rebates for replacing lawns and for irrigation system upgrades. Visit nmwd.com/its-a-dry-year-save-water-with-us for more water saving tips.


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

Relandscape your yard with low water use plants.

 **For more water saving tips visit**
nmwd.com/save-water

 **NORTH MARIN
WATER DISTRICT**


41 people reached | 0 engagements

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

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

**Board of
Directors
Meeting**

Tuesday, March 2nd
6:00pm

 **NORTH MARIN
WATER DISTRICT**

44 people reached | 1 engagements

Engagements include likes, reactions, clicks and comments





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 1

We may be having a wet winter, but experts predict a dry year ahead. Help save water now by only running full loads of laundry or dishes. Visit nmwd.com/save-water for more water saving tips.

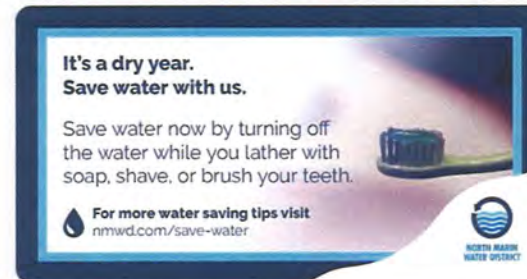
#northmarinwaterdistrict #water #savewater #savemoney #dryyear



North Marin Water District @NorthMarinWater · Feb 3

You can help save water by turning off the water while you lather, shave, or brush your teeth. Visit nmwd.com/save-water for more water saving tips!

#northmarinwaterdistrict #water #savewater #savemoney #dryyear



North Marin Water District @NorthMarinWater · Feb 4


Maintain a three inch layer of mulch throughout your landscape for healthy soil and to keep weeds down. Visit nmwd.com/save-water for more water saving tips.

#northmarinwaterdistrict #water #savewater #savemoney #dryyear #gardentips #mulch #gardening



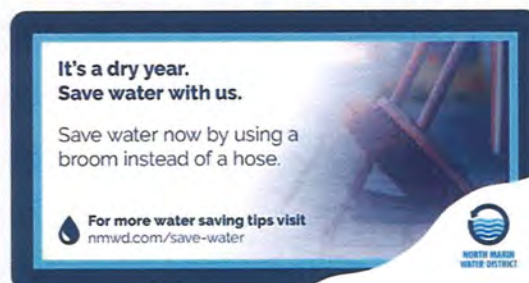


February Social Media Highlights | Twitter

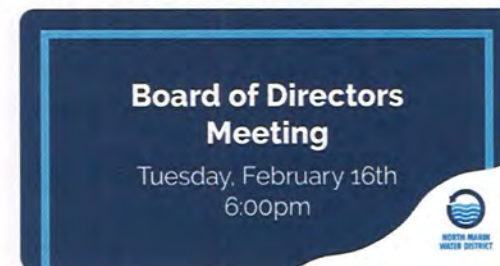
 **North Marin Water District** @NorthMarinWater · Feb 9
Never flush wipes, tissues, masks, gloves, or paper towels. Visit nmwd.com/save-water for more water saving tips.
[#northmarinwaterdistrict](#) [#water](#) [#savewater](#) [#savemoney](#) [#dryyear](#)



 **North Marin Water District** @NorthMarinWater · Feb 11
Sweep off patios, decks, sidewalks, and driveways with a broom rather than a hose. Visit nmwd.com/save-water for more water saving tips.
[#northmarinwaterdistrict](#) [#water](#) [#savewater](#) [#savemoney](#) [#dryyear](#)



 **North Marin Water District** @NorthMarinWater · Feb 13
Customers are welcome and encouraged to attend North Marin Water District's virtual board meeting next Tuesday. See the agenda for how to join by phone or Zoom: nmwd.com/meetings





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 16

Look for the 'water smart plant' label at participating local nurseries. Visit nmwd.com/save-water for more water saving tips.
#northmarinwaterdistrict #water #savewater #savemoney #dryyear



North Marin Water District @NorthMarinWater · Feb 18

Only run the dishwasher when it's full. It will help save water for the dry year ahead, and save money on your water bill. Visit nmwd.com/save-water for more water saving tips.
#northmarinwaterdistrict #water #savewater #savemoney #dryyear





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 22

It's [#NationalEngineersWeek](#), and we are celebrating the great work that our trusted engineers do everyday!

[#northmarinwaterdistrict](#) [#thankyouengineers](#) [#drinkingwater](#)



North Marin Water District @NorthMarinWater · Feb 23

Check your water meter regularly and perform a toilet dye test. Visit nmwd.com/save-water for more water saving tips.

[#northmarinwaterdistrict](#) [#water](#) [#savewater](#) [#savemoney](#) [#dryyear](#)





February Social Media Highlights | Twitter



North Marin Water District @NorthMarinWater · Feb 25

North Marin Water District offers rebates for replacing lawns and for irrigation system upgrades. Visit nmwd.com/save-water for more water saving tips.

#northmarinwaterdistrict #water #savewater #savemoney #dryyear



North Marin Water District @NorthMarinWater · Feb 27

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

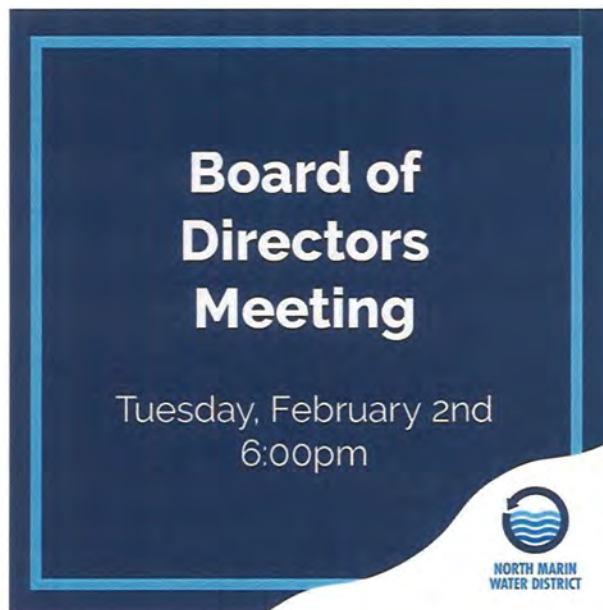


Engagements include likes, reactions and comments





February Social Media Highlights | Instagram



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FEBRUARY 1

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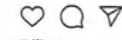
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northmarinwaterdistrict We may be having a wet winter, but experts predict a dry year ahead. Help save water now by only running full loads of laundry or dishes. Visit nmwd.com/save-water for more water saving tips. Link in bio!

#northmarinwaterdistrict #water #savewater #savemoney #dryyear

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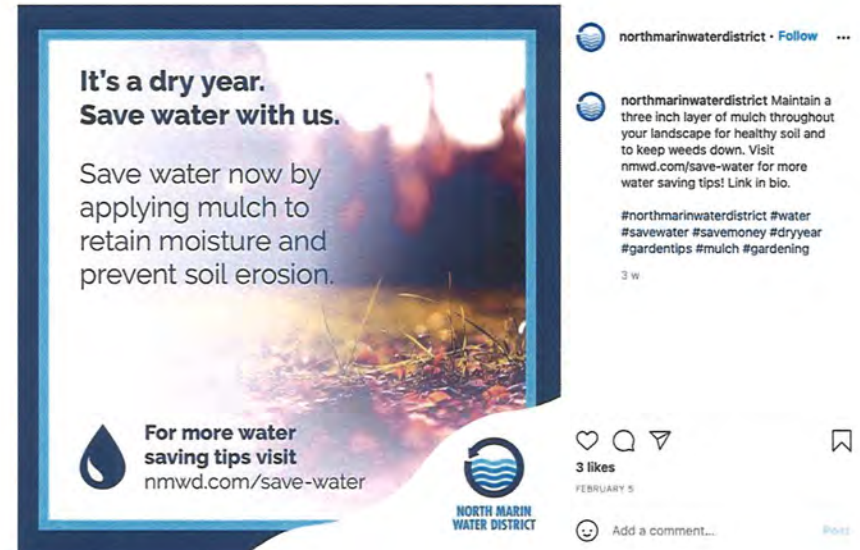




February Social Media Highlights | Instagram



5 likes



3 likes





February Social Media Highlights | Instagram

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

Save water now by not using the toilet as a trash bin.

For more water saving tips visit nmwd.com/save-water

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northmarinwaterdistrict Never flush wipes, tissues, masks, gloves, or paper towels. Visit nmwd.com/save-water for more water saving tips! Link in bio.

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FEBRUARY 9

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NORTH MARIN WATER DISTRICT

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**It's a dry year.
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Save water now by using a broom instead of a hose.

For more water saving tips visit nmwd.com/save-water

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#northmarinwaterdistrict #water #savewater #savemoney #dryyear

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4 likes

FEBRUARY 11

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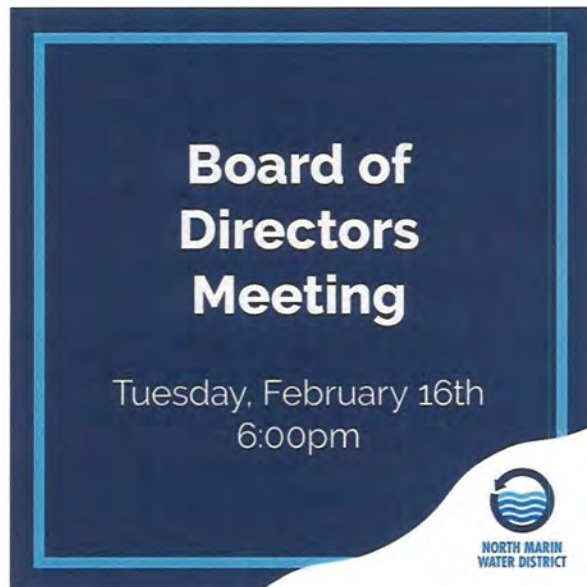
NORTH MARIN WATER DISTRICT

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#northmarinwaterdistrict #water #savewater #savemoney #dryyear

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February Social Media Highlights | Instagram



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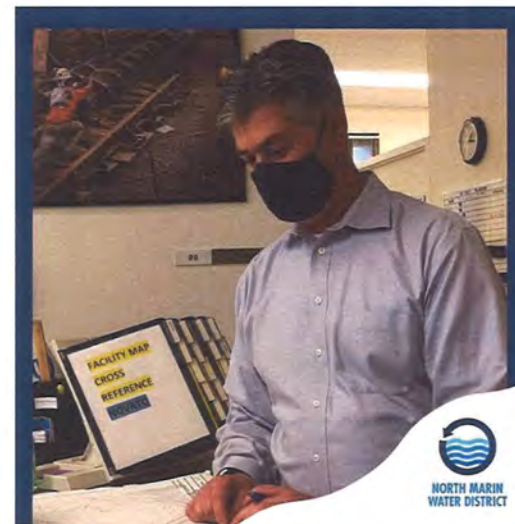
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FEBRUARY 18

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FEBRUARY 22

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February Social Media Highlights | Instagram

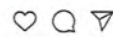


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northmarinwaterdistrict Check your water meter regularly and perform a toilet dye test. Visit nmwd.com/save-water for more water saving tips. Link in bio!

#northmarinwaterdistrict #water #savewater #savemoney #dryyear

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FEBRUARY 23

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northmarinwaterdistrict North Marin Water District offers rebates for replacing lawns and for irrigation system upgrades. Visit nmwd.com/save-water for more water saving tips! Link in bio.

#northmarinwaterdistrict #water #savewater #savemoney #dryyear

6 d



7 likes

6 DAYS AGO

Add a comment...



Post

7 like



Novato City Guide: Print Ad & Editorial

- The Novato City Guide appeared in all 6 Marinscope Community Newspapers on Feb 24
- NMWD had a quarter page ad and a separate 550 word editorial piece, focusing on the Save Water/ dry year campaign

Your local water district for the greater Novato area

We're here to help you:

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

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



It's a dry year. Save water with North Marin Water District.

Due to unusually low rainfall this winter and below average rainfall conditions last year, North Marin Water District's water storage levels are particularly low. The District, which serves a suburban population of 63,940 people situated in and about the City of Novato and West Marin, is asking for the public's help in conserving water and preserving the community's water sources — including Stafford Lake, Lake Mendocino, Lake Sonoma, and the Russian River.

North Marin Water District is proud to be part of the Sonoma-Marín Saving Water Partnership, which represents Sonoma Water and its retail water contractors that deliver drinking water to more than 600,000 residents in the North Bay. The Sonoma-Marín Saving Water Partnership encourages customers to use water saving practices both inside and outside their homes and businesses as a way of life. However, now is a time to be particularly vigilant due to the low amount of rainfall received this year. The Partnership has come together to seek the community's help in saving water, and North Marin Water District hopes you will join this important mission.

How can you get involved? North Marin Water District and the Sonoma-Marín Saving Water Partnership recommend making small changes around your home that can really add up. Some examples include turning off your irrigation system in the winter and manually watering only when the soil below the surface is dry; applying mulch outdoors to retain moisture and prevent soil erosion; running only full loads of laundry and dishes; scraping food scraps into the compost instead of the garbage disposal; turning off the water while you lather or brush your teeth; not using the toilet as a trash bin; using a broom instead of a hose to clean patios and driveways; replacing inefficient toilets with new high-efficiency models; and fixing water leaks.

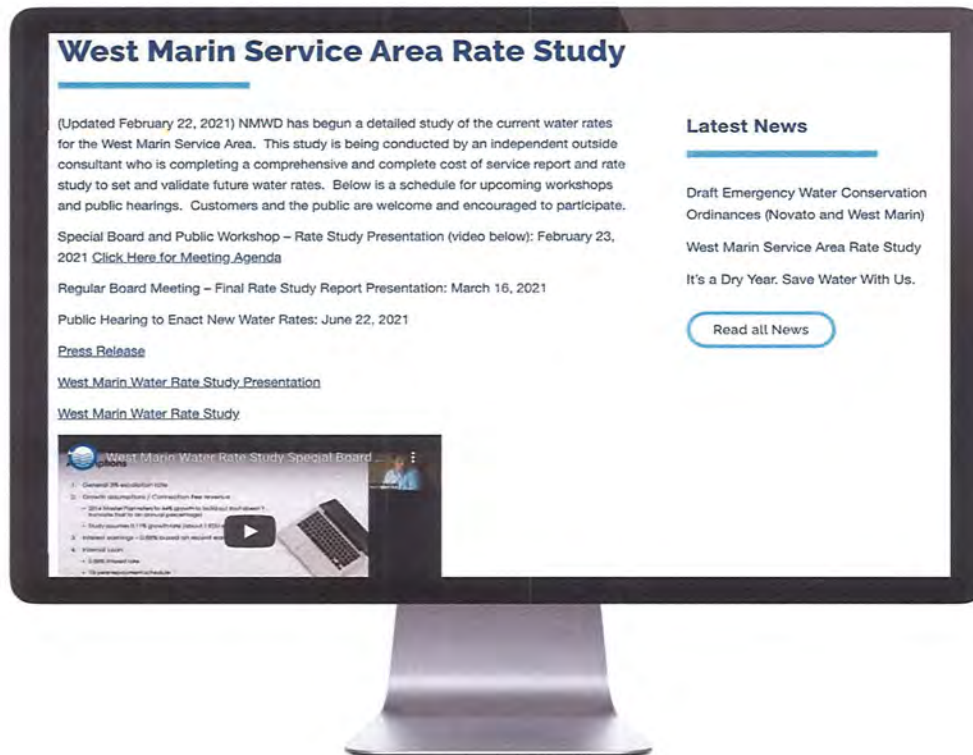
The District is running a social media campaign to share these (and more) water saving tips over the coming weeks. Customers are welcome and encouraged to share these tips with friends and family so everyone can work together to make a difference.

"Conserving water is easier than you might think," said Drew McIntyre, General Manager of North Marin Water District. "Small changes around your home can make a big difference, especially if each household can commit to just a few. We hope our campaign will help make this an easy and fun activity for families, and we're confident that together we can conserve resources, successfully navigate this dry year, and continue to conserve water well into the future."

In addition to the customer water saving campaign, The District has embarked on large-scale, long term projects to help preserve potable water for dry year conditions. These projects include the expansion of recycled water usage to large landscapes, including many parks and schools in Novato; additionally, The District's WaterSmart customer portal gives customers access to hourly water use intervals and the ability to set leak and high-use alerts to keep water use as efficient as possible.



Website Updates | February 2021



- Supported NMWD team to embed video on website regarding the West Marin Service Area Rate Study



What's Next?

- Initial Sonoma-Marín Saving Water Partnership water saving campaign has concluded (Jan 2021-March 2021)
- Next wave of water saving/ dry year social posts will start in March
- GFOA news story & social (Date pending)
- Benefits of mulch news story (Date pending)
- World Engineering Day social post (March 4)
- National Groundwater Awareness Week social post (March 8)
- Fix a Leak Week Post (March 15)
- World Water Day Post (March 22)



Thank You