



Posting Date: 05-14-2021

## NOTICE OF REGULAR BI-MONTHLY MEETING BOARD OF DIRECTORS

**MEETING DATE:** 05-18-2021

**TIME:** 7:30 p.m.

**LOCATION:** This meeting will be held virtually, pursuant to the Governor's Executive Order N-29-20.

To participate online, go to <https://zoom.us/j/96585751921>. You can also participate by phone by calling 1-669-900-6833 and entering the webinar ID#: 965 8575 1921.

**PARTICIPATION DURING MEETINGS:** During the public comment periods, the public may comment by clicking the "raise hand" button on the bottom of the Zoom screen; if you are joining by phone and would like to comment, press \*9 and we will call on you as appropriate.

**EMAILED PUBLIC COMMENTS:** You may submit your comments in advance of the meeting by emailing them to [BoardComment@MarinWater.org](mailto:BoardComment@MarinWater.org). All emailed comments received by 3 p.m. on the day of the meeting will be provided to the Board of Directors prior to the meeting. Those emailed comments on approval items received by 3 p.m. will also be summarized by the board secretary at the board meeting. All emails will be posted on our website. (Please do not include personal information in your comment that you do not want published on our website such as phone numbers and home addresses.)

AGENDA ITEMS	RECOMMENDATIONS
Call to Order and Roll Call	
Adopt Agenda	<i>Approve</i>

### Public Comment

Members of the public may comment on any items not listed on the agenda during this time. Comments will be limited to three (3) minutes per speaker, and time limits may be reduced by the board president to accommodate the number of speakers and ensure that the meeting is conducted in an efficient manner.

Directors' and General Manager's Announcements	
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**MARIN WATER BOARD OF DIRECTORS:** LARRY BRAGMAN, JACK GIBSON, CYNTHIA KOEHLER, LARRY RUSSELL, AND MONTY SCHMITT

**AGENDA ITEMS****RECOMMENDATIONS****Consent Calendar**

All matters listed on the consent calendar are considered to be routine and will be enacted by a single action of the Board, unless specific items are removed from the consent calendar by the Board during adoption of the agenda for separate discussion and action.

1. Resolution of Appreciation for Jeff Ohmart	<i>Approve</i>
2. Minutes of the Board of Directors' Regular Bi-Monthly Meeting of May 4, 2021	<i>Approve</i>
3. General Manager's Report for April 2021	<i>Approve</i>
4. A Resolution Authorizing the Award of Contract No. 1946, Non-Structural Spillway Repair Project (D21013,) to Maggiora & Ghilotti in the amount of \$325,555	<i>Approve</i>
5. A Resolution Implementing FY2022 Cost of Living Adjustment for District Employees	<i>Approve</i>
6. Authorizing the General Manager to Negotiate and Execute Agreements for the Purchase of Water Treatment Chemicals in an amount not to exceed \$1,411,477	<i>Approve</i>
<b>Regular Calendar</b>	
7. Drought Update	<i>Information</i>
8. Options for New Connections during Drought Conditions	<i>Information</i>
9. A Resolution Approving the Kastania Pump Station Rehabilitation Project, Authorizing the General Manager to Execute a Professional Services Agreement with Carollo Engineers, Finding the Project is Categorically Exempt from CEQA, and Directing Staff to File a Notice of Exemption with the Sonoma County Clerk	<i>Approve</i>
10. Proposed Operating and Capital Budget for Fiscal Year (FY) 2022 and FY2023	<i>Approve</i>
11. Future Meeting Schedule and Agenda Items	<i>Information</i>
<b>Convene to Closed Session (Only the Board of Directors and Staff will Participate)</b>	

AGENDA ITEMS	RECOMMENDATIONS
<b>Closed Session Items</b>	
12. Conference with Real Property Negotiators (Government Code §54956.8) Agency Negotiator: Bennett Horenstein, General Manager Negotiating Party: Lt. Col. Jim Kapphahn, Transportation Officer, Pacific Region, Civil Air Patrol Property: APN 197-120-21 Under negotiation: Price and Terms	
13. Conference with Legal Counsel - Existing Litigation (Government Code §54956.9) Case: <i>Marin Municipal Water District v. Kamman Hydrology  and Engineering, Inc., et al.</i> , Marin Superior Court Case No. CIV2002013	
<b>Convene to Open Session</b>	
<b>Closed Session Report Out</b>	
<b>Adjournment</b>	

#### ADA NOTICE AND HEARING IMPAIRED PROVISIONS:

In accordance with the Americans with Disabilities Act (ADA) and California Law, it is Marin Water's policy to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are disabled and require a copy of a public hearing notice, an agenda, and/or agenda packet in an appropriate alternative format, or if you require other accommodations, please contact Board Secretary Terrie Gillen at 415.945.1448, at least two days in advance of the meeting. Advance notification will enable the Marin Water to make reasonable arrangements to ensure accessibility.

INFORMATION PACKETS ARE AVAILABLE FOR REVIEW AT THE CIVIC CENTER LIBRARY, CORTE MADERA LIBRARY, FAIRFAX LIBRARY, MILL VALLEY LIBRARY, MARIN WATER OFFICE, AND ON THE MARIN WATER WEBSITE (MARINWATER.ORG)

#### FUTURE BOARD MEETINGS:

- ❖ May 19, 2021  
Communications & Water Efficiency Committee/Board of Directors (Communications & Water Efficiency) Meeting  
9:30 a.m.



Board Secretary



Item Number: 01  
Meeting Date: 05-18-2021  
Meeting: Board of Directors

## MARIN MUNICIPAL WATER DISTRICT

### RESOLUTION NO. \_\_\_\_\_

#### RESOLUTION OF THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER DISTRICT EXPRESSING APPRECIATION FOR JEFF OHMART

**WHEREAS**, the Marin Municipal Water District wishes to express its sincere appreciation to Jeff Ohmart for his eighteen years of service to the Marin Municipal Water District; and

**WHEREAS**, after a 15-year career working on municipal water projects throughout California in both the private and public sector, Jeff joined the District's engineering department in 2002 as a Principal Engineer; and

**WHEREAS**, during his tenure, Jeff guided the District's capital improvement program, including the expansion of the District's pipeline replacement program, Fire Flow Improvement Program and implementation of the water tank replacement program; and

**WHEREAS**, Jeff developed very good working relationships with the District's contractors which helped the District resolve difficult construction issues that facilitated the success of important District projects; and

**WHEREAS**, Jeff's unique ability to respond to emergencies in a timely manner helped the District implement capital improvement projects needed to repair damage to the watershed caused by numerous slides after the rains of January 2017, which avoided safety risks to watershed visitors and damage critical water infrastructure; and

**WHEREAS**, in addition to completing routine infrastructure pipeline and storage tank replacement projects, Jeff and his team could also be counted on to accomplish non-routine projects for the District, such as ADA improvements and a new roof for the Corte Madera Office, the Jewell Creek Fish Passage Restoration Project, and the Soulajule Pump Station Electrification Project; and

**BE IT THEREFORE NOW RESOLVED**, that the Board of directors of the Marin Municipal Water District sincerely expresses its appreciation to Jeff for his dedicated service to the District and wishes him the best as he enters the next phase of his life, spending time with his family, hiking the watershed, and flying his plane across the western United States.

**PASSED AND ADOPTED** this 18th day of May, 2021, by the following vote of the Board.

AYES:

NOES:

ABSENT:

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**President, Board of Directors**

ATTEST:

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**Secretary**



Item Number: 02  
Meeting Date: 05-18-2021  
Meeting: Board of Directors

## Approval Item

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**TITLE**

Minutes of the Board of Directors' Regular Bi-Monthly Meeting of May 4, 2021

**RECOMMENDATION**

Approve the adoption of the minutes.

**SUMMARY**

On May 4, 2021, the board held its regular bi-monthly meeting. The minutes of these meetings are attached.

**DISCUSSION**

None

**FISCAL IMPACT**

None

**ATTACHMENT(S)**

1. Minutes of the Board of Directors' Regular Bi-Monthly Meeting of May 4, 2021

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Communications & Public Affairs Department	 Terrie Gillen Board Secretary	 Ben Horenstein General Manager

**MARIN MUNICIPAL WATER DISTRICT  
BOARD OF DIRECTORS**

**MEETING MINUTES**

**Tuesday, May 4, 2021**

**Via teleconference**

(In accordance with Governor Gavin Newsom's Executive Order N-29-20)

**DIRECTORS PRESENT:** Larry Bragman, John C. Gibson, Larry Russell, Monty Schmitt, and Cynthia Koehler

**DIRECTORS ABSENT:** None

**CALL TO ORDER AND ROLL CALL**

Board President Koehler called the meeting to order at 7:30 p.m.

**ADOPT AGENDA**

On motion made by Director Gibson and seconded by Director Russell, the board adopted the agenda. The following roll call vote was made.

Ayes: Directors Bragman, Gibson, Russell, Schmitt, and Koehler

Noes: None

**PUBLIC COMMENT**

There was one public comment made during this portion of the meeting.

**DIRECTORS' AND GENERAL MANAGER'S ANNOUNCEMENTS**

There were none.

**CONSENT CALENDAR (ITEMS 1-2)**

**Item 1 Minutes of the Board of Directors' Regular Bi-Monthly Meeting of April 20, 2021**

**Item 2 Authorize the General Manager to execute the First Amendment to District Lease No. 59 with VBT Sub 1**

There was no public comment.

On motion made by Director Gibson and seconded by Director Bragman, the board adopted the agenda. The following roll call vote was made.

Ayes: Directors Bragman, Gibson, Russell, Schmitt, and Koehler  
Noes: None

### **PUBLIC HEARING (ITEM 3)**

#### **Item 3 Adopt Ordinance 450 Calling for Additional Mandatory Water Conservation Measures Relating to Irrigation and Requiring Recreational Pool Covers**

General Manager Ben Horenstein and Water Quality Manager Lucy Croy presented this item to the board. Afterwards, discussion ensued.

Then, Director Koehler opened the public hearing. There were 15 public comments. The public hearing was closed after the last comment.

Discussion continued between the directors and staff.

On motion made by Director Gibson and seconded by Director Russell, the board approved Ordinance 450 by the following roll call vote:

Ayes: Directors Bragman, Gibson, Russell, Schmitt, and Koehler  
Noes: None  
Absent: None

### **REGULAR CALENDAR (ITEMS 4-8)**

#### **Item 4 Approve Incentive Programs to Support Customers Drought Response**

Water Conservation Manager Carrie Pollard brought forth this item. The board and staff conversed afterwards.

There were eight (8) public comments.

On motion made by Director Bragman and seconded by Director Schmitt, the board approved the incentive programs to support customers' drought response by the following roll call vote:

Ayes: Directors Bragman, Gibson, Russell, Schmitt, and Koehler  
Noes: None  
Absent: None

#### **Item 5 Long-Term Water Supply Review**

Operations Manager Paul Sellier and Water Conservation Manager Pollard presented this item to the board. Discussion ensued.

There were three (3) public comments.



This was an informational item, so the board took no formal action.

**Item 6            Adopt Recommended Positions on SB 323-Support, SB 45-Support, and AB 1500-Support**

Legislative & Grant Program Coordinator Matt Sagues brought forth this item. There was a brief conversation between the board and staff.

There were no public comments.

On motion made by Director Gibson and seconded by Director Russell, the board adopted the recommended positions by the following roll call vote:

Ayes:            Directors Bragman, Gibson, Russell, Schmitt, and Koehler  
Noes:            None  
Absent:          None

**Item 7            Authorize the General Manager to Recruit and Hire One Engineering Technician in the Engineering Division**

Engineering Director Mike Ban presented this item. There was no discussion nor public comment.

On motion made by Director Bragman and seconded by Director Russell, the board approved the recruitment of the Engineering Technician position by the following roll call vote:

Ayes:            Directors Bragman, Gibson, Russell, Schmitt, and Koehler  
Noes:            None  
Absent:          None

**Item 8            Future Meeting Schedule and Agenda Items**

The board secretary brought forth this item. There was no discussion nor public comment. This was an information item, so no action was taken by the board.

**ADJOURNMENT**

There being no further business, the regular bi-monthly Board of Directors' meeting of May 4, 2021, adjourned at 10:18 p.m.

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Board Secretary



## Approval Item

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### **TITLE**

General Manager's Report for April 2021

### **RECOMMENDATION**

Approve Report.

### **SUMMARY**

#### **A. HIGHLIGHTS:**

- Staff has been working on a wide range of drought-related activities , while at the same time continuing with the ongoing routine work at the District
- The Water Quality Lab ensured that the water supplied met or surpassed water quality regulations by collecting and analyzing over 120 Total Coliform Rule and 20 treatment plant samples. The lab performed 22 tank surveys and monitored the lakes for algae and taste and odor.
- The Phoenix pump station was restored to potable water operations after Phoenix lake water was pumped to Bon Tempe treatment plant. Staff placed pipe spools to reconfigure the pump station and disinfection, flushing and sample collection/analysis to convert this line from lake water use back to potable.
- District convened a meeting with resource agencies to review the proposed Lag Creek Flow Release Study, began conducting field site assessments and surveying work
- Submitted Grant Application to the California Coastal Conservancy Forest Health and Wildfire Resiliency Program in the amount of \$1million

## DISCUSSION

### B. SUMMARY:

AF = Acre Feet  
Mg/L = milligrams per liter  
MPN = most probable number  
MPY = mils per year  
MG = million gallons  
NTU = nephelometric turbidity units

### 1. Water Production:

Item	FY 2020/21		FY 2019/20	
	(million gallons)	(acre-feet)	(million gallons)	(acre-feet)
<b>Potable</b>				
Total production this FY	7,044	21,618	7,059	21,662
Monthly production, April	669	2,053	623	1,911
Daily average, April	22.30	68.45	20.76	63.70
<b>Recycled</b>				
Total production this FY	0.00	0.00	0.00	0.00
Monthly production, April	0.00	0.00	0.00	0.00
Daily average, April	0.00	0.00	0.00	0.00
<b>Raw Water</b>				
Total production this FY	45.15	138.56	39.03	119.78
Monthly production, April	3.92	12.03	0.25	0.77
Daily average, April	0.13	0.40	0.01	0.03
<b>Imported Water</b>				
Total imported this FY	2,014	6,181	1,406	4,316
Monthly imported, April	132	404	180	552
<b>Reservoir Storage</b>				
Total storage, April	13,118	40,258	22,618	69,411
Storage change during April	-1,039	-3,189	- 544	-1,669
<b>Stream Releases</b>				
Total releases this FY	3,340	10,249	3,620	11,108
Monthly releases, April	386	1,184	391	1,201

2. <u>Precipitation:</u>	<u>FY 2020/21 (in.)</u>	<u>FY 2019/20 (in.)</u>
Alpine	23.52	27.66
Bon Tempe	19.20	24.40
Kent	20.97	27.66
Lagunitas *	20.62	32.62
Nicasio	13.60	19.71
Phoenix	18.66	32.07
Soulajule	13.84	20.94

\* Average to date = 50.55 inches

3. Water Quality:

Water Quality Complaints:

Month of Record	10	6
Fiscal Year to Date	141	272

Water Quality Information Phone Calls:

Month of Record	10	10
Fiscal Year to Date	110	122

The lab performed 1,789 analyses on lakes, treatment plants and distribution system samples.

Mild steel corrosion rates averaged 1.42 (0.25–3.1) MPY. The AWWA has recommended an operating level of <5 MPY with a goal of <1 MPY.

Complaint Flushing: One related complaint flushing event was performed for this month on record. This was at Hy #07350 at 701 Edgewood Ave in Mill Valley.

Tank Survey Program: 22 water storage tank sanitary surveys were performed during the month. 33.73 % planned survey program has been completed for calendar year 2021.

Disinfection Program: 6,495' new pipelines were disinfected during the month. Performed chlorination's on 2 water storage tanks to ensure compliance with bacteriological water quality regulations.

Tank Water Quality Monitoring Program: Performed 12 water quality-monitoring events on storage tanks for various water quality parameters this month to help ensure compliance with bacteriological water quality regulations.

**4. Water Treatment:**

	<u>San Geronimo</u>		<u>Bon Tempe</u>		<u>Ignacio</u>	
<u>Treatment Results</u>	Average	Monthly	Average	Monthly	Average	Monthly
		Goal		Goal		Goal
Turbidity (NTU)	0.06	≤ 0.10	0.04	≤ 0.10	0.05	≤ 0.10
Chlorine residual (mg/L)	2.59	2.50 *	2.54	2.50 *	2.51	2.50 *
Color (units)	0.7	≤ 15	0.5	≤ 15	0.1	≤ 15
pH (units)	7.8	7.8*	7.8	7.8*	8.0	8.1**

\* Set monthly by Water Quality Lab

\*\* pH to Ignacio is controlled by SCWA

**5. Capital Improvement:**

a. Sir Francis Drake Blvd Corridor Rehabilitation Project

Summary: This project involves the replacement of 8,500 feet of 100-year-old, leak prone pipe as a joint project with Marin County along Sir Francis Drake Blvd.

- Project Budget: \$4,647,762
- Monthly Activities: Contractor is finishing installing mainline pipe, mainline tie-ins and service transfers between Ross Terrace and McAllister Ave. To date, approximately 7,000 feet of 12 and 8-inch water main have been installed.

b. 5<sup>th</sup> Ave FFIP Pipeline Replacement Project

Summary: This project involves the replacement of 3,990 feet of old, undersized fire flow deficient pipe in support of the Districts Fire Flow Improvement Program within the City of San Rafael.

- Project Budget: \$2,279,140
- Monthly Activities: Contractor is currently finishing service transfers and working on tie-ins along Grand Avenue. Only a 300-foot section of mainline under

highway 101 is remaining to complete this project. Completion is anticipated to occur in June.

c. San Geronimo Treatment Plant Permanent Emergency Generator Project

Summary: This project involves the installation of two 1.5 MW generators, electrical equipment, fuel storage tanks and site grading all within the community of Woodacre.

- Project Budget: \$5,375,600
- Monthly Activities: District staff is currently reviewing submittals and request for information from the contractor. Contractor has excavated and constructed the generator retaining wall and has started grading the site in preparation for the generator electrical work.

d. Southern Marin Pipeline Replacement Project (D20022)

Summary: This project involves the replacement of 5,080 feet of old, leak prone and problematic pipe in Tiburon and Belvedere, in coordination with the City of Belvedere's earthquake resiliency program and Sanitary District No. 5's Cove Road Force Main Replacement Project and planned paving work to minimize public impacts, and in Sausalito.

- Project Budget: \$2,985,000
- Monthly Activities: Contractor has completed installing mainline pipe on Cove Rd, Beach Rd, Main St and Round Hill and they are currently doing service transfers onto the new mainline. Work on the Harrison Street portion of the project in Sausalito is scheduled to begin in late May or early June.

e. Kent Lake Aerator Vent Lines Replacement Project (D19037)

Summary: This project involves the replacement of two 180-foot long 2-inch vent lines and one 200 foot 1-inch air supply line on the Kent Lake aerator.

- Project Budget: \$134,000
- Monthly Activities: Currently working with Contractor on insurance requirements before routing the contract to executing. Work is anticipated to begin in early summer.

f. Non-Structural Spillway Repair Project (D21013)

Summary: This project involves repair of non-structural concrete surface defects including concrete spalling, surface crack sealing, offsets, sub-drain cleaning and spillway joint sealing on the spillways of Peters Dam on Kent Lake, Seeger Dam on Nicasio Reservoir, and Soulajule Dam on Soulajule Reservoir.

- Project Budget: \$468,555
- Monthly Activities: Construction bids for the project were received on April 27. A recommendation for contract award will be presented to the Board on May 18.

Construction will begin in early summer and is scheduled to be completed in October 2021.

g. 2021 Corrosion Test Station Rehabilitation Project (D21020)

Summary: This project will install 121 new magnesium anodes at 105 existing corrosion test sites throughout the District to improve cathodic protection on the water distribution system.

- Project Budget: \$150,000
- Monthly Activities: Construction bids for this project will be received on May 18<sup>th</sup>. A recommendation for project award will be presented to the Board on June 15<sup>th</sup>. Construction is scheduled to begin in mid-summer and be completed in October 2021.

**6. Other:**

<u>Pipeline Installation</u>	<u>FY2020/21</u>	<u>FY2019/20</u>
Pipe installed during April (feet)	3,446	253
Total pipe installed this fiscal year (feet)	19,191	18,445
Total miles of pipeline within the District	908*	908*

*\* Reflects adjustment for abandoned pipelines*

<u>Pipe Locates</u>	<u>FY2020/21</u>	<u>FY2019/20</u>
Month of April (feet)	65,183	25,891
Total this fiscal year (feet)	416,300	389,072

<u>Main Line Leaks Repaired:</u>	<u>FY2020/21</u>	<u>FY2019/20</u>
Month of April	9	7
Total this fiscal year	120	129

<u>Services:</u>	<u>FY2020/21</u>	<u>FY2019/20</u>
Service upgrades during April	21	4
Total service upgrades this FY	145	124
Service connections installed during April	6	0
Total active services as of May 1, 2021	60,492	60,543

7. Demand Management:

	Apr-21	FY 20/21 TOTAL	FY 19/20 TOTAL	FY 18/19 TOTAL
<b>WATER-EFFICIENCY PROGRAMS</b>				
<b>Water-Use Site Surveys</b>				
Conservation Assistance Program (CAP) Consultations				
Residential properties resi 1-2 (single-family)	29	59	127	109
Residential properties resi 3-5 (multi-family units)	0	1	30	2
Non-residential properties resi 6-7 (commercial)	0	3	3	6
Dedicated irrigation accounts resi 8-10 (large landscape)	2	2	-	2
<b>Marin Master Gardeners' Marin-Friendly Garden Walks</b>				
Residential garden walks	5	70	91	122
<b>CYES Water/Energy Surveys</b>				
Residential surveys	0	0	86	238
<b>Public Outreach and Education, Customer Service</b>				
Public outreach events (number of people attending)	0	0	1,150	13,691
Public education events (number of participants)	0	0	-	500
Laundry-to-Landscape Graywater webinars (participants)	0	84	-	-
Customer calls/emails admin staff	907	2607	2,230	1,835
<b>School Education</b>				
School assemblies				
Number of activities	0	0	15	17
Number of students reached	0	0	6,349	5,915
Field trips				
Number of activities	0	0	11	6
Number of students reached	0	0	91	130
Classroom presentations				
Number of activities	0	1	11	21
Number of students reached	0	22	305	554
Other (e.g. booth events, school gardens)		0		
Number of activities	0	0	-	1
Number of students reached	0	0	-	250
<b>Incentives</b>				
Number of HECWs approved	13	91	53	61
Number of Rain Barrel/Cisterns approved	1	11	4	8
"Landscape Your Lawn" Turf Replacements approved	1	3		
Number of Laundry-to-Landscape Systems approved	0	0	-	-
Number of Smart Controllers rebates approved	4	54	12	-
Number of Smart Controllers "Rachio Direct Distribution" approved	1	14		
<b>Advanced Metering Infrastructure (AMI)</b>				
AMI leak letters sent to customers (>200 GPD)	284	1364	1,384	896
<b>ORDINANCES</b>				
<b>Water Waste Prevention</b>				
No. of properties reporting activity	50	116	147	148
<b>Landscape Plan Review</b>				
Plans submitted	5	66	89	113
Plans exempt	0	4	5	6
Plans completed	1	16	23	37
Plans in workflow (pass & fail)	9	115	145	173
<b>Tier 4 Exemption</b>				
Inspections that resulted in a pass	0	1	1	1
<b>Graywater Compliance Form</b>				
Applications Received (as of Dec 2019)	7	83	39	-
Systems installed	0	4	11	14



## 8. Watershed Protection:

### Medical Aid Calls in April

During April, the Rangers responded to 10 medical aid calls. Six involved solo bicyclist accidents, two of which resulted in serious injuries. Three hikers were also injured, all with ankle injuries. Seven of these calls resulted in people being transported to the hospital, including one flown to a trauma center by helicopter.

### Rangers Assist at Head-on Vehicle Collision in West Marin



Senior Ranger Cerkel was on patrol at Nicasio Reservoir when a head-on collision with injuries occurred on Point Reyes-Petaluma Road just south of the reservoir. He responded to the accident and assisted the CHP and Marin County Fire.

### Ranger Foot and Bike Patrols in April

In April Rangers logged 75 miles of foot patrol and 45 miles of bike patrol. Many of the Rangers visitor contacts (visitor assists, warnings, and citations) occurred during these patrols.

### Suicidal Subject at Alpine Dam

Senior Ranger Johnson responded to a Sheriff's Dept. request to welfare check Alpine Dam for a suicidal subject who was threatening to jump off a dam. He located the subject at the dam and used Crisis intervention and de-escalation techniques until additional officer arrived on-scene. The subject was then detained and placed on a mental health hold.

Incidents and Events	602
Visitor Assists	175
Warnings	157
Citations	147
Dam Check	21
Vandalism	19
Misc. Law Enforcement Calls	15
Medical Aid	10
Illegal Trail Work	8
Preventative Search and Rescue	6
Assist Watershed Maintenance	4
Parking at Capacity/Lots Closed	4
Search and Rescue	4
Found Property	4
Citizen Complaint: Illegal Bike Use	3
Animal or Humane Related	3
Suspicious Circumstance	3
Theft	3
Assist Outside Agency-Misc.	2
Assist Other MMWD Work Group	2
Ranger Callouts	2
Verbal Dispute Between Visitors	2
Illegal Fire	2
Assist Outside Law Enforcement	1
Metal Health Hold (5150)	1
Citizen Complaint: Misc.	1
Outreach/Engagement/Interpretive Event	1
Citizen Complaint: Dogs off Leash	1
Vehicular Accident	1

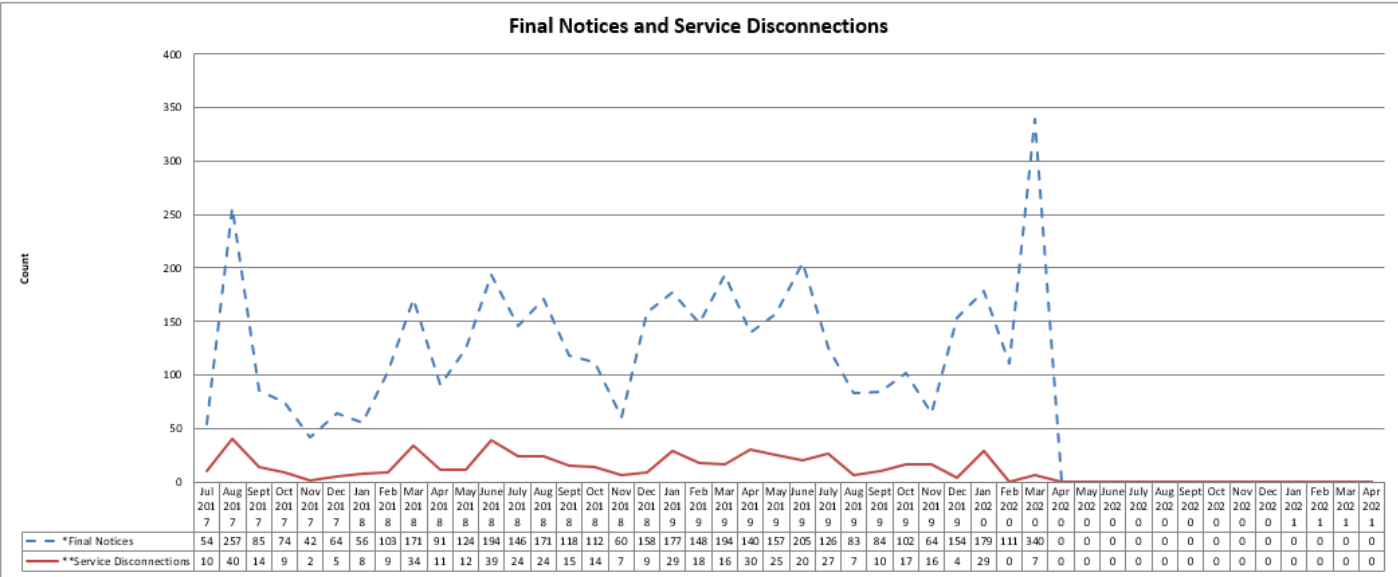
Citations	147
Non-payment of parking fees	128
Park on Roadway or Parking w/ 6' Center	12
Parking After Sunset	4
No Parking	1
Dog off Leash	1
Illegal Fire	1



9. Shutoff Notices and Disconnections:


April 2021
Final Notices: 0
Service Disconnections: 0

- \* Includes 5 day, 10 day and final notices
- \*\*3/13/20 Suspended termination of water service for non-payment due to COVID- 19
- \*3/24/20 Suspended Late Fees and Final Notices



FISCAL IMPACT  
None

ATTACHMENT(S)  
None

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Office of the General Manager	<div></div> Ben Horenstein General Manager	<div></div> Ben Horenstein General Manager

## Approval Item

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### **TITLE**

Award of Contract No. 1946, Non-Structural Spillway Repair Project (D21013), in the amount of \$325,555, to Maggiora & Ghilotti, for repair of non-structural concrete surface defects on spillways at three District dams.

### **RECOMMENDATION**

Approve the Resolution authorizing award of Contract No. 1946, Non-Structural Spillway Repair Project (D21013), to Maggiora & Ghilotti.

### **SUMMARY**

On April 27, 2021, the District received and opened seven bids for the Non-Structural Spillway Repair Project to repair non-structural concrete surface defects including concrete spalling, surface crack sealing, offsets, sub-drain cleaning and spillway joint sealing on the spillways of Peters Dam on Kent Lake, Seeger Dam on Nicasio Reservoir, and SoulaJule Dam on SoulaJule Reservoir. Maggiora & Ghilotti submitted the lowest responsive and responsible bid in the amount of \$325,555. Maggiora & Ghilotti has successfully completed several projects for the District. Their bid documents have been reviewed and determined to be complete and satisfactory. Therefore staff recommends that the Board of Directors approve the Resolution which awards Contract No. 1946 to Maggiora & Ghilotti at their bid price of \$325,555, and authorizes the General Manager to execute any necessary amendments to Contract No. 1946 which do not exceed \$33,000 and finds the project categorically exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15302(c) of the CEQA guidelines as the project is repair of existing structure involving no or negligible expansion of capacity.

### **DISCUSSION**

In response to the 2017 Oroville Dam spillway failure, the Division of Safety of Dams (DSOD) has required dam owners to conduct phased condition assessments of concrete lined spillways, with Phase I assessments to comprise visual inspections and a review of relevant documents. If warranted by the results of the Phase I assessments, agencies are required to conduct Phase II assessments, which will include a more comprehensive evaluation.

In accordance with DSOD's requirements, the District conducted Phase I condition assessments on the spillways of Peters Dam (Kent Lake), Seeger Dam (Nicasio Reservoir), and SoulaJule Dam in 2019. In those condition assessments, many minor imperfections were identified requiring repair. These deficiencies are being repaired as part of the District's Non-Structural Spillway Repair Project and include repair of non-structural concrete surface defects including concrete spalling, surface crack sealing, offsets, sub-drain cleaning and spillway joint sealing at these three dams in accordance with DSOD guidelines, to prevent further degradation, and extend

spillway lifespan. The District will conduct Phase II assessments of the spillways in 2021, in coordination with DSOD.

The District received seven bids for the Project on April 27, 2021. Bid results are provided in Table 1.

**Table 1**  
**Bid Results**  
**Non-Structural Spillway Repair Project**  
**(D21013)**

Bid Rank	Contractor Name	Bid Amount
1	MAGGIORA & GILOTTI, INC.	\$325,555.00
2	PULLMAN SST, INC.	\$438,231.39
3	W.R. FORDE ASSOCIATES	\$534,200.00
4	ASHRON CONST. & REST, INC.	\$537,670.00
5	POWER ENGINEERING CONST. CO	\$656,100.00
6	VALENTINE CORP.	\$877,140.00
	KEREX ENGINEERING, INC.	(UNRESPONSIVE) <sup>1</sup>

The engineer's estimate was \$350,000.

Summaries of the estimated Project costs and schedule are provided below.

**Budget**

Contract Award:	\$ 325,555
Contingency:	\$ 33,000
Materials and Professional Fees:	\$ 35,000
District Labor/Inspection:	\$ 75,000
Total Budget:	\$ 468,555
Budget Category:	1A05

**Project Implementation**

Project Advertisement:	April 6, 2021
Bid Opening:	April 27, 2021
Project Award:	May 18, 2021
Estimated Completion Date:	October 15, 2021
Duration:	150 days

**Environmental Review**

The Director of Engineering has determined that the Project is Categorically Exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15302 (c), Replacement or

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<sup>1</sup> Kerex Engineering Inc's unresponsive bid amount was \$637,200

Reconstruction. The Project qualifies for exemption pursuant to Section 15302(c) inasmuch as it is the repair of existing structure involving negligible or no expansion of capacity. A copy of the draft Notice of Exemption is enclosed as Attachment 3.

**ATTACHMENTS**

1. Resolution
2. Site Map
3. Draft Notice of Exemption

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Engineering	 Mike Ban Director of Engineering	 Ben Horenstein General Manager

**MARIN MUNICIPAL WATER DISTRICT**

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER  
APPROVING THE NON-STRUCTURAL SPILLWAY REPAIR PROJECT**

**WHEREAS**, the District issued an invitation for the Non-Structural Spillway Repair Project (Project) on April 6, 2021 and received seven bids, of which the bid of \$325,555 submitted by Maggiora & Ghilotti Incorporated for the Non-Structural Spillway Repair Project (D21013) under Contract No. 1946 was the lowest responsible bid submitted; and

**WHEREAS**, staff analyzed the proposed project in accordance with the California Environmental Quality Act (CEQA) and has determined that the Project is Categorically Exempt pursuant to CEQA Guidelines Section 15302 (c), Replacement or Reconstruction, in that it is the repair of an existing structure involving negligible or no expansion of capacity.

**NOW THEREFORE, BE IT HEREBY RESOLVED**, that the Board of Directors, finding the bid of \$325,555 submitted by Maggiora & Ghilotti Incorporated for the Non-Structural Spillway Repair Project (D21013) under Contract No. 1946 was the lowest responsible bid submitted therefor, hereby approves the Project and accepts the bid; and

**BE IT FURTHER RESOLVED**, that the Board hereby directs and authorizes that a contract for this Project be awarded to said low bidder, and the General Manager and Secretary are authorized and directed to execute said contract on behalf of the District upon receipt of a performance bond, payment bond, proof of insurance, and the executed contract for the work from said bidder; and

**BE IT FURTHER RESOLVED**, that upon complete execution of said contract, the bonds and/or checks of the other bidders are to be returned to said other bidders, and all bids other than that of Maggiora & Ghilotti Incorporated are to be rejected; and

**BE IT FURTHER RESOLVED** that the Board, based on the analysis and determination of staff, hereby finds that the Project is Categorically Exempt from further review under Section 15302 (c) of the CEQA Guidelines inasmuch as it is the replacement of water pipeline involving negligible or no expansion of capacity.

**PASSED AND ADOPTED** this 18th day of May 2021 by the following  
vote of the Board.

AYES:

NOES:

ABSENT:

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**President, Board of Directors**

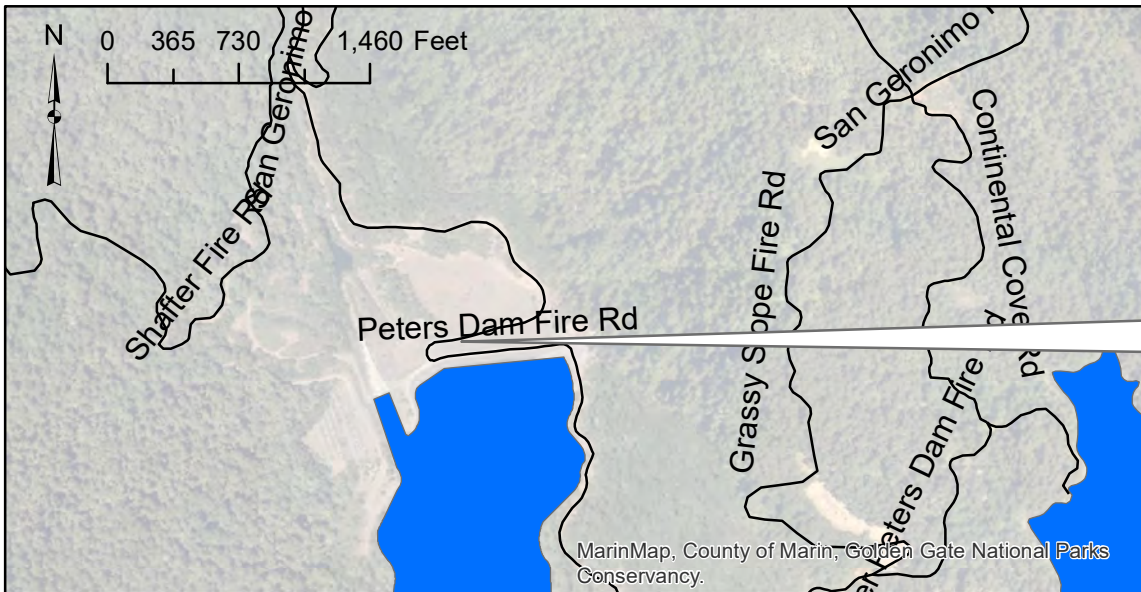
ATTEST:

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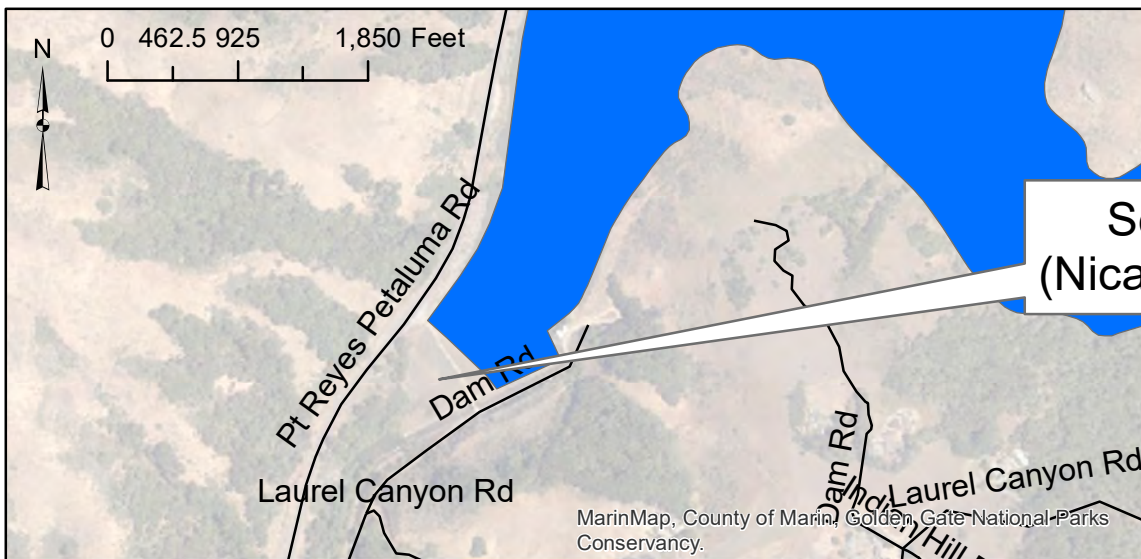
**Secretary**



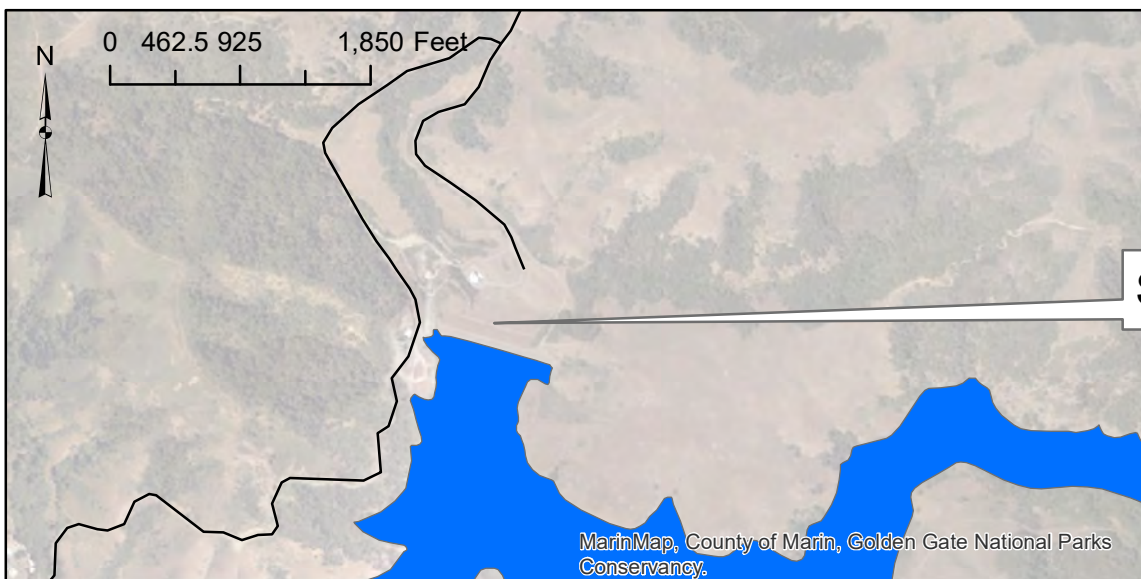
# Non-Structural Spillway Repair Project Locations



Peters Dam  
(Kent Lake)



Seeger Dam  
(Nicasio Reservoir)



SoulaJule Dam

# Notice of Exemption

Item Number: 04

Attachment: 3



Filing Requested By and When Filed Return To:

Marin Municipal Water District  
220 Nellen Ave  
Corte Madera, CA 94925  
Attn: Mike Ban, Director of Engineering

**Project Title:** Non-Structural Spillways Repair Project (D21013)

**Project Location – City:** Kent Lake, Forest Knolls; Nicasio Reservoir, Nicasio; Soulajule Reservoir, Novato

**Project Location – County:** Marin

**Project Description:** The Non-Structural Spillway Repair Project is a component of the District's Capital Improvement Program. This project will repair non-structural concrete surface defects including concrete spalling, surface crack sealing, offsets, sub-drain cleaning and spillway joint sealing on Peters, Seeger and Soulajule Dams' spillways.

**Public Agency Approving Project:** Marin Municipal Water District

**Name of Person or Agency Carrying Out Project:** Marin Municipal Water District

**CEQA Exemption Status:** Categorical Exemption Section 15302(c), Replacement or Reconstruction

**Reason for Exemption:** The project qualifies for exemption pursuant to Section 15302(c) inasmuch as it is the repair of existing dam spillways that involves no expansion of capacity.

**Project Approval:** The Marin Municipal Water District Board of Directors approved the award of a contract for project construction, which represents project approval as defined by Section 15352 of the Guidelines for Implementation of the California Environmental Quality Act, at their regularly scheduled meeting on May 18, 2021.

**Lead Agency Contact Person:** Michael Ban, Marin Municipal Water District      **Telephone:** (415) 945-1435

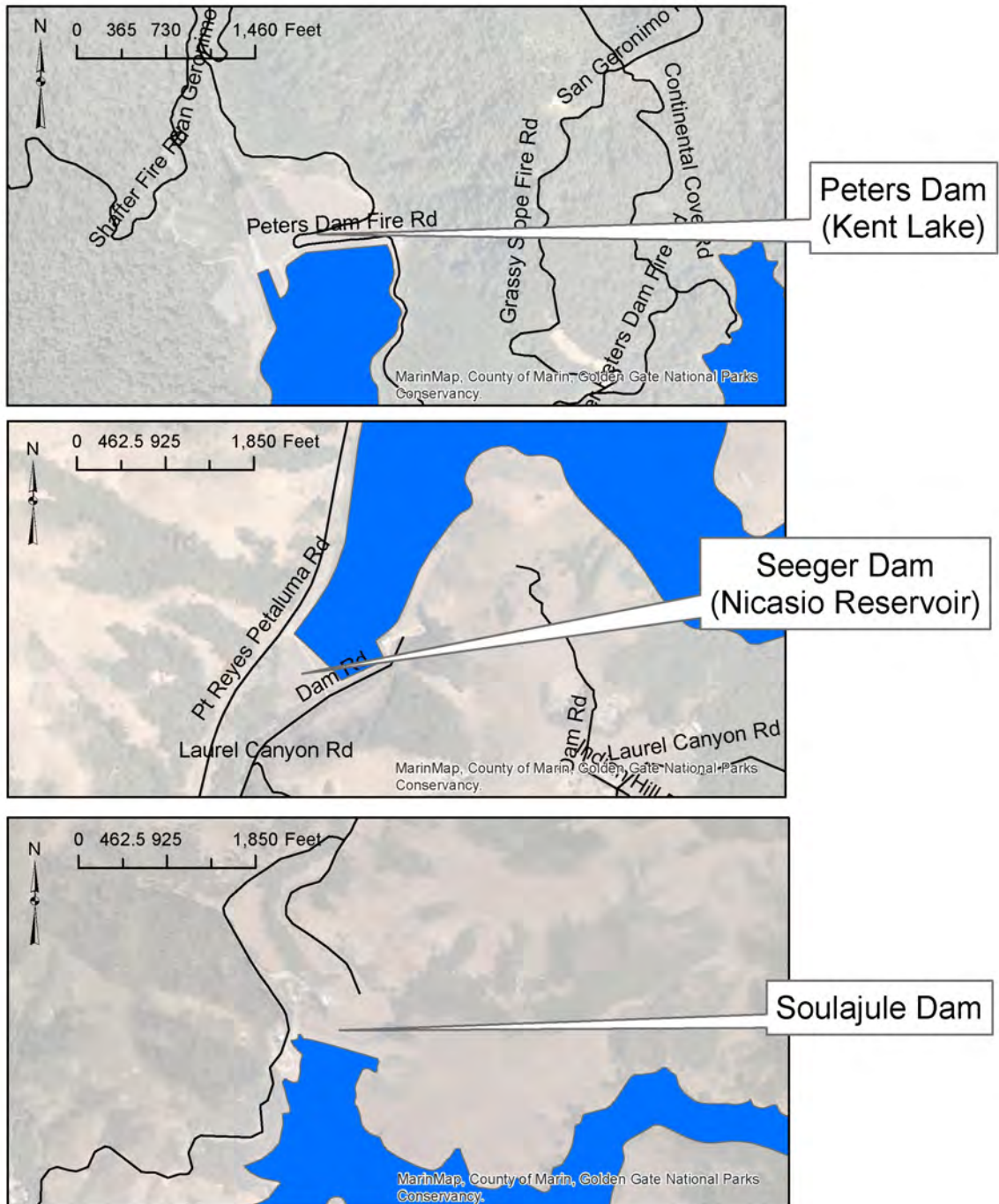
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Michael Ban, Director of Engineering

Date

**Figure 1: Non-Structural Spillway Repair Project**

## Non-Structural Spillway Repair Project Locations



SOURCE: MMWD 2021



## Approval Item

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**TITLE**

FY2022 Cost of Living Adjustment (COLA) for District Employees

**RECOMMENDATION**

Adopt a resolution implementing a COLA effective July 1, 2021 for District Employees.

**SUMMARY**

The District adopted Resolution 8213 on June 18, 2013 approving a collective bargaining agreement (CBA) and establishing the salaries and other terms and conditions of employment for SEIU 1021 District employees. On December 15, 2020, the Board approved an extension of the CBA through June 30, 2023. The CBA provides annual cost of living adjustments (COLAs), based upon the previous calendar year San Francisco-San Jose-Oakland metropolitan area Consumer Price Index. Pursuant to the terms of the CBA, the COLAs are effective July 1 of each year, and are limited to a minimum of 2.0% and a maximum of 3%. Additionally, the District adopted Resolution 8214 on June 18, 2013 regarding unrepresented employees and established the salaries, benefits and other conditions of employment for those employees. On December 15, 2020 the Board adopted Resolution 8617 amending Resolution 8214 to extend the terms of employment through June 30, 2023. The resolution provides an increase for all unrepresented employees equivalent to the change in the Consumer Price Index U, as reported by the United States Department of Labor Bureau of Labor Statistics for the annual calendar period, for each year preceding the adjustment, for the San Francisco-San Jose-Oakland metropolitan area. The wage increase for these employees is also limited to be not be less than 2.0% or greater than 3.0% per year.

**DISCUSSION**

The change in the Consumer Price Index U, as reported by the United States Department of Labor Bureau of Labor Statistics for the preceding annual calendar period for the San Francisco-San Jose-Oakland metropolitan area increased by 2.0%.


Pursuant to the California Code of Regulations, Title 2, section 570.5, the District must make available a Board approved pay schedule that reflects the COLA. As per the Board resolutions approved on December 15, 2020, staff prepared the updated pay schedule reflecting a 2% COLA increase for the District employees.

**FISCAL IMPACT**

The projected costs for the COLA increase is \$727,000.

ATTACHMENT(S)

1. Resolution with Exhibit A : Updated Pay Schedule including COLA

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Admin Services Division	 Chuck McBride Finance Director/Treasurer	 Ben Horenstein General Manager

**MARIN MUNICIPAL WATER DISTRICT**

**RESOLUTION NO. \_\_\_\_**

**A RESOLUTION OF THE BOARD OF DIRECTORS APPROVING FY2022 COST OF LIVING  
ADJUSTMENT FOR DISTRICT EMPLOYEES**

**WHEREAS**, on June 18, 2013, the Board of Directors adopted Resolution No. 8213 approving a collective bargaining agreement with SEIU Local 21 employees (CBA); and

**WHEREAS**, on December 15, 2020, the Board of Directors approved an extension of the CBA through June 30, 2023; and

**WHEREAS**, on June 18, 2013, the Board of Directors adopted Resolution No. 8214 regarding unrepresented employees; and

**WHEREAS**, on December 15, 2020, the Board adopted Resolution 8617 amending Resolution 8214 to extend the terms of employment through June 30, 2023; and

**WHEREAS**, pursuant to the extended terms of the CBA and terms of employment in Board Resolution No. 8617, an annual salary increase is authorized for the respective District employees equivalent to the change in the Consumer Price Index U, as reported by the United States Department of Labor Bureau of Labor Statistics for the annual calendar period, for each year preceding the adjustment, for the San Francisco-San Jose-Oakland metropolitan area, but not less than 2% and not more than 3%; and

**WHEREAS**, the change in the Consumer Price Index U, as reported by the United States Department of Labor Bureau of Labor Statistics for the prior annual calendar period for the San Francisco-San Jose-Oakland metropolitan area was an increase of 2.0%; and

**WHEREAS**, California Code of Regulations Title 2, Section 570.5 requires the adoption of a pay schedule for District employees.

**NOW THEREFORE, BE IT RESOLVED**, that the Board of Directors does hereby approve implementation of a salary increase of 2.0% for District employees, effective July 1, 2021, based upon the previous calendar year San Francisco-San Jose-Oakland metropolitan area Consumer Price Index-U and the attached salary schedule for District employees, as set forth in the revised pay schedule attached hereto as "Exhibit A" and incorporated herein by this reference.

**PASSED AND ADOPTED** this 18th day of May, 2021, by the following vote of the Board of Directors.

**AYES:**

**NOES:**

**ABSENT:**

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**President, Board of Directors**

**ATTEST:**

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**Board Secretary**

POSITION TITLE - SEIU	FY22 STEP 1	FY22 STEP 2	FY22 STEP 3	FY22 STEP 4	FY22 STEP 5
Account Clerk I	\$4,900	\$5,144	\$5,385	\$5,684	\$5,970
Account Clerk II	\$5,405	\$5,707	\$5,993	\$6,302	\$6,566
Account Clerk III	\$5,757	\$6,003	\$6,351	\$6,633	\$6,928
Accountant I	\$6,542	\$6,871	\$7,214	\$7,574	\$7,954
Accountant II	\$7,404	\$7,819	\$8,221	\$8,648	\$9,066
Accounting Supervisor	\$8,812	\$9,251	\$9,713	\$10,200	\$10,710
Administrative Analyst	\$7,182	\$7,515	\$7,894	\$8,334	\$8,764
Administrative Assistant	\$6,270	\$6,590	\$6,869	\$7,273	\$7,595
Aquatic Ecologist	\$8,283	\$8,749	\$9,200	\$9,679	\$10,150
Assistant Engineer	\$8,590	\$9,031	\$9,473	\$9,931	\$10,404
Assistant Engineer - Civil	\$8,590	\$9,031	\$9,473	\$9,931	\$10,404
Assitant Utility-Maintenance Worker	\$5,401	\$5,667	\$5,960	\$6,213	\$6,576
Associate Engineer	\$9,930	\$10,401	\$10,904	\$11,441	\$11,994
Associate Engineer - Civil	\$9,930	\$10,401	\$10,904	\$11,441	\$11,994
Automotive Mechanic I	\$5,729	\$5,972	\$6,318	\$6,600	\$6,893
Automotive Mechanic II	\$6,647	\$6,954	\$7,303	\$7,716	\$8,112
Backflow & Reclamation Specialist	\$7,022	\$7,389	\$7,778	\$8,188	\$8,620
Backflow & Reclamation Supervisor	\$7,935	\$8,377	\$8,816	\$9,265	\$9,716
Business Systems Analyst I	\$7,616	\$7,950	\$8,309	\$8,696	\$9,134
Business Systems Analyst II	\$8,676	\$9,115	\$9,622	\$10,117	\$10,647
Business Systems Analyst III	\$9,541	\$10,022	\$10,585	\$11,130	\$11,709
Business Systems Support Technician	\$7,182	\$7,515	\$7,894	\$8,334	\$8,764
Chemist I	\$7,266	\$7,609	\$7,992	\$8,441	\$8,876
Chemist II	\$8,293	\$8,759	\$9,212	\$9,685	\$10,157
Chief Mechanic	\$7,684	\$8,114	\$8,537	\$8,977	\$9,410
Communications Specialist	\$7,890	\$8,231	\$8,605	\$9,005	\$9,461
Construction Inspection Supervisor	\$9,943	\$10,500	\$11,039	\$11,616	\$12,178
Construction Inspector I	\$7,337	\$7,671	\$8,028	\$8,434	\$8,904
Construction Inspector II	\$8,357	\$8,823	\$9,276	\$9,760	\$10,234
Control Systems Administrator	\$10,098	\$10,605	\$11,134	\$11,691	\$12,277
Control Systems Specialist	\$9,257	\$9,734	\$10,204	\$10,699	\$11,208
Control Systems/Corrosion Control Supv	\$10,389	\$10,971	\$11,538	\$12,133	\$12,720
Controls Technician I	\$7,156	\$7,482	\$7,831	\$8,226	\$8,685
Controls Technician II	\$8,079	\$8,533	\$8,973	\$9,439	\$9,898
Corrosion Control Technician I	\$7,217	\$7,531	\$7,871	\$8,239	\$8,654
Corrosion Control Technician II	\$8,218	\$8,631	\$9,116	\$9,584	\$10,082
Customer Service Field Inspector	\$5,754	\$6,090	\$6,354	\$6,641	\$6,949
Customer Service Representative I	\$4,633	\$4,865	\$5,093	\$5,375	\$5,644
Customer Service Representative II	\$5,385	\$5,681	\$5,967	\$6,274	\$6,538
Customer Service Representative III	\$5,754	\$6,090	\$6,354	\$6,641	\$6,949
Distribution System Operator	\$7,390	\$7,711	\$8,060	\$8,435	\$8,860
Distribution System Operator Trainee	\$6,718	\$7,008	\$7,327	\$7,668	\$8,056
Ecologist	\$7,177	\$7,515	\$7,894	\$8,334	\$8,764
Engineering Aide	\$5,914	\$6,165	\$6,522	\$6,814	\$7,117
Engineering Technician	\$6,776	\$7,078	\$7,392	\$7,739	\$8,128



POSITION TITLE - SEIU	FY22 STEP 1	FY22 STEP 2	FY22 STEP 3	FY22 STEP 4	FY22 STEP 5
Engineering Technician Supv - Records	\$7,935	\$8,377	\$8,816	\$9,265	\$9,716
Field Supervisor	\$9,128	\$9,551	\$10,036	\$10,594	\$11,141
Heavy Equipment Operator	\$6,889	\$7,200	\$7,536	\$7,916	\$8,360
Information Systems Analyst I	\$7,616	\$7,950	\$8,309	\$8,696	\$9,134
Information Systems Analyst II	\$8,676	\$9,115	\$9,622	\$10,117	\$10,647
Information Systems Analyst III	\$9,541	\$10,022	\$10,585	\$11,130	\$11,709
Information Systems Analyst Supervisor	\$10,973	\$11,528	\$12,173	\$12,799	\$13,465
Junior Engineer	\$7,368	\$7,734	\$8,171	\$8,595	\$9,036
Laboratory Technician	\$6,828	\$7,149	\$7,510	\$7,931	\$8,344
Land Surveyor	\$8,588	\$9,031	\$9,504	\$9,964	\$10,425
Maintenance Crew Leader	\$7,671	\$8,026	\$8,432	\$8,903	\$9,362
Maintenance Worker I	\$5,956	\$6,208	\$6,573	\$6,856	\$7,168
Maintenance Worker II	\$6,574	\$6,857	\$7,170	\$7,507	\$7,884
Mechanical & Electrical Maint Worker I	\$6,489	\$6,765	\$7,158	\$7,473	\$7,810
Mechanical & Electrical Maint Worker II	\$7,271	\$7,583	\$7,925	\$8,296	\$8,712
Mechanical & Electrical Maint Worker III	\$7,610	\$7,956	\$8,326	\$8,747	\$9,236
Mechanical & Electrical Maint Worker IV	\$8,487	\$8,880	\$9,330	\$9,852	\$10,359
Mechanical & Electrical Maintenance Plan	\$8,909	\$9,325	\$9,794	\$10,344	\$10,875
Mechanical & Electrical Operations Supv	\$10,098	\$10,605	\$11,134	\$11,691	\$12,277
Meter Operations Supervisor	\$8,812	\$9,251	\$9,713	\$10,200	\$10,710
Meter Reader and Repair Worker I	\$5,475	\$5,799	\$6,048	\$6,320	\$6,616
Meter Reader and Repair Worker II	\$6,153	\$6,512	\$6,794	\$7,103	\$7,434
Meter Service Technician	\$7,022	\$7,389	\$7,778	\$8,188	\$8,620
Office Assistant II	\$4,933	\$5,172	\$5,424	\$5,681	\$5,999
Park Ranger I	\$5,838	\$6,099	\$6,369	\$6,667	\$7,003
Park Ranger II	\$6,776	\$7,077	\$7,392	\$7,741	\$8,128
Project Coordinator	\$6,936	\$7,293	\$7,650	\$8,109	\$8,517
Real Property Agent	\$7,948	\$8,397	\$8,829	\$9,284	\$9,735
Safety & Technical Training Specialist	\$7,754	\$8,114	\$8,524	\$9,000	\$9,466
Senior Administrative Assistant	\$7,182	\$7,515	\$7,894	\$8,334	\$8,764
Senior Buyer	\$7,236	\$7,549	\$7,892	\$8,258	\$8,673
Senior Chemist	\$8,960	\$9,463	\$9,951	\$10,461	\$10,970
Senior Construction Inspector	\$8,833	\$9,297	\$9,789	\$10,303	\$10,847
Senior Customer Service Representative	\$6,950	\$7,300	\$7,708	\$8,104	\$8,529
Senior Distribution System Operator	\$8,135	\$8,512	\$8,942	\$9,440	\$9,927
Senior Drafting Tech-CAD System Spec	\$8,025	\$8,431	\$8,902	\$9,361	\$9,847
Senior Ecologist	\$8,283	\$8,749	\$9,200	\$9,679	\$10,150
Senior Engineer I	\$10,659	\$11,172	\$11,718	\$12,286	\$12,903
Senior Engineering Technician	\$7,358	\$7,724	\$8,110	\$8,516	\$8,942
Senior Engineering Technician - Fac Des	\$7,358	\$7,724	\$8,110	\$8,516	\$8,942
Senior Meter Reader and Repair Worker	\$6,545	\$6,929	\$7,232	\$7,560	\$7,909
Senior Park Ranger	\$7,329	\$7,654	\$7,995	\$8,371	\$8,792
Supv Facilities Maint & Special Projects	\$9,201	\$9,672	\$10,143	\$10,634	\$11,141
Treatment Plant Trainee I	\$6,530	\$6,822	\$7,123	\$7,459	\$7,832
Treatment Plant Trainee II	\$7,124	\$7,458	\$7,834	\$8,276	\$8,706

POSITION TITLE - SEIU	FY22 STEP 1	FY22 STEP 2	FY22 STEP 3	FY22 STEP 4	FY22 STEP 5
Treatment Plant/System Operator III	\$7,834	\$8,276	\$8,704	\$9,148	\$9,593
Treatment Plant/System Operator IV	\$8,226	\$8,689	\$9,138	\$9,608	\$10,077
Utility Crew Leader	\$7,671	\$8,026	\$8,432	\$8,903	\$9,362
Utility System Specialist	\$7,671	\$8,026	\$8,432	\$8,903	\$9,362
Utility Worker I	\$5,956	\$6,208	\$6,573	\$6,856	\$7,168
Utility Worker II	\$6,574	\$6,857	\$7,170	\$7,507	\$7,884
Vegetation Ecologist	\$8,283	\$8,750	\$9,200	\$9,679	\$10,150
Warehouse Worker I	\$5,094	\$5,342	\$5,621	\$5,860	\$6,202
Warehouse Worker II	\$5,667	\$5,907	\$6,253	\$6,522	\$6,817
Warehouse Worker III	\$6,369	\$6,648	\$6,948	\$7,273	\$7,640
Water Conservation Specialist I	\$6,932	\$7,230	\$7,649	\$7,984	\$8,344
Water Conservation Specialist II	\$7,890	\$8,231	\$8,605	\$9,005	\$9,461
Water Conservation Specialist III	\$8,264	\$8,638	\$9,041	\$9,497	\$10,027
Water Conservation Specialist Supervisor	\$9,376	\$9,801	\$10,256	\$10,774	\$11,376
Water Quality Field Supervisor	\$8,639	\$9,126	\$9,600	\$10,091	\$10,580
Water Quality Technician	\$7,406	\$7,739	\$8,080	\$8,461	\$8,887
Water System Technician	\$7,367	\$7,686	\$8,031	\$8,406	\$8,829
Watershed Maintenance Supervisor	\$9,079	\$9,536	\$10,070	\$10,589	\$11,140
Watershed Volunteer Coordinator	\$7,177	\$7,515	\$7,894	\$8,334	\$8,764
Welder/Fabricator	\$7,575	\$7,926	\$8,329	\$8,792	\$9,247

POSITION TITLE - UNREPRESENTED	FY22 STEP 1	FY22 STEP 2	FY22 STEP 3	FY22 STEP 4	FY22 STEP 5
Assistant Superintendent of Operations	\$11,754	\$12,328	\$12,914	\$13,536	\$14,207
Assistant Superintendent Water Treatment	\$11,426	\$11,995	\$12,597	\$13,225	\$13,887
Communications & Public Affairs Manager	\$13,232	\$14,120	\$15,005	\$15,895	\$16,783
Customer Service Manager	\$10,891	\$11,450	\$12,001	\$12,585	\$13,185
Director of System Maintenance & Natural Resources	\$16,331	\$17,148	\$18,005	\$18,906	\$19,853
Engineering Manager I	\$11,968	\$12,548	\$13,159	\$13,796	\$14,489
Engineering Manager II	\$13,009	\$13,881	\$14,754	\$15,627	\$16,504
Engineering Support Services Manager	\$12,127	\$12,768	\$13,440	\$14,144	\$14,891
Director of Engineering	\$16,331	\$17,148	\$18,005	\$18,906	\$19,853
Finance Director/Treasurer	\$16,331	\$17,148	\$18,005	\$18,906	\$19,853
Finance Manager	\$13,232	\$14,120	\$15,005	\$15,895	\$16,783
Financial Management Analyst	\$9,859	\$10,352	\$10,869	\$11,414	\$11,985
Fisheries Program Manager	\$10,156	\$10,727	\$11,278	\$11,869	\$12,444
Grant Program Coordinator	\$9,046	\$9,523	\$10,023	\$10,549	\$11,105
Human Resources Manager	\$13,232	\$14,120	\$15,005	\$15,895	\$16,783
Information Technology Manager	\$13,232	\$14,120	\$15,005	\$15,895	\$16,783
Natural Resources Program Manager	\$10,156	\$10,727	\$11,278	\$11,869	\$12,444
Operations Director	\$16,331	\$17,148	\$18,005	\$18,906	\$19,853
Principal Engineer - Design & Construct	\$13,009	\$13,881	\$14,754	\$15,627	\$16,504
Safety & Emergency Response Manager	\$10,156	\$10,727	\$11,278	\$11,869	\$12,444
Senior Engineer I - Manager	\$11,968	\$12,548	\$13,159	\$13,796	\$14,489
Senior Engineer II	\$12,548	\$13,159	\$13,796	\$14,488	\$15,190
Senior Human Resources Analyst	\$9,517	\$10,051	\$10,574	\$11,115	\$11,798
Staff Attorney I	\$10,349	\$10,867	\$11,411	\$11,982	\$12,580
Staff Attorney II	\$12,616	\$13,248	\$13,911	\$14,604	\$15,335
Staff Attorney III	\$14,626	\$15,358	\$16,126	\$16,932	\$17,778
Superintendent of Operations	\$12,347	\$12,935	\$13,558	\$14,227	\$14,916
Superintendent of Sys Mnt & Sup Svcs	\$12,656	\$13,271	\$13,903	\$14,577	\$15,292
Water Efficiency Manager	\$11,990	\$12,663	\$13,320	\$14,001	\$14,679
Water Quality Laboratory Manager	\$12,074	\$12,648	\$13,259	\$13,916	\$14,588
Water Quality Manager	\$12,548	\$13,159	\$13,796	\$14,488	\$15,190
Watershed Protection Mgr - Chief Ranger	\$11,003	\$11,582	\$12,192	\$12,831	\$13,506
Watershed Resources Manager	\$11,940	\$12,508	\$13,111	\$13,759	\$14,423

<b>POSITION TITLE - CONFIDENTIAL</b>	<b>FY22 STEP 1</b>	<b>FY22 STEP 2</b>	<b>FY22 STEP 3</b>	<b>FY22 STEP 4</b>	<b>FY22 STEP 5</b>
Administrative Assistant - Confidential	\$6,429	\$6,761	\$7,043	\$7,456	\$7,787
Administrative/Legal Support Specialist	\$7,182	\$7,515	\$7,894	\$8,334	\$8,764
Board Secretary	\$8,448	\$8,828	\$9,239	\$9,703	\$10,249
Business Systems Analyst Conf III	\$9,541	\$10,022	\$10,585	\$11,130	\$11,709
Business Systems Analyst Confidential I	\$7,616	\$7,950	\$8,309	\$8,696	\$9,134
Business Systems Analyst Confidential II	\$8,676	\$9,115	\$9,622	\$10,117	\$10,647
Executive Assistant to the GM	\$8,448	\$8,828	\$9,239	\$9,703	\$10,249
Finance Analyst	\$7,404	\$7,819	\$8,221	\$8,648	\$9,066
Human Resources Analyst	\$8,089	\$8,545	\$8,988	\$9,448	\$10,032
Human Resources Technician	\$6,895	\$7,218	\$7,582	\$8,004	\$8,419
Payroll Technician	\$6,761	\$7,075	\$7,433	\$7,846	\$8,253

POSITION TITLE - HOURLY	FY22 STEP 1	FY22 STEP 2	FY22 STEP 3	FY22 STEP 4	FY22 STEP 5
Engineering Intern	\$26.14				
Information Systems Analyst - Ret Ann	\$67.56				
Intern	\$19.08				
Law Clerk-Temporary	\$49.74				
Special Assignment-Blog Writer	\$67.56				
Summer Helper	\$16.07	\$17.84	\$19.62		
Water Efficiency Technician Intern	\$22.00	\$23.67	\$25.39		
Watershed Aide	\$22.00	\$23.67	\$25.39		

POSITION TITLE - CONTRACT	FY22 STEP 1	FY22 STEP 2	FY22 STEP 3	FY22 STEP 4	FY22 STEP 5
District General Counsel	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
General Manager	\$22,217	\$22,217	\$22,217	\$22,217	\$22,217



## Approval Item

### TITLE

FY 2022 Purchase of Water Treatment Chemicals

### RECOMMENDATION

Authorize the General Manager to negotiate and execute agreements for the purchase of water treatment chemicals agreements in an amount not to exceed \$1,411,477.

### SUMMARY

The District annually solicits competitive bids for the supply and delivery of six bulk water treatment chemicals needed to treat water at our treatment plants and the Ignacio Water Quality pump station. Four of the chemicals were bid through the Bay Area Chemical Consortium (BACC) and separately staff received quotes for two of the chemicals, Zinc Ortho Phosphate and Fluoride. The total estimated costs for water treatment chemicals for 2021/22 is \$1,411,477 representing a 4.61 percent increase over prior year.

### DISCUSSION

The District utilizes water treatment chemicals to treat water from our reservoirs and water imported from the Sonoma County Water Agency to ensure the water delivered to our customers meets all federal and state water quality requirements. These chemicals help remove sediment from the water, kill disease causing organisms, and reduce corrosion in the district's piping system as well as our customers' household piping, among other benefits.

The District participates in BACC to obtain bids for the supply and delivery of water treatment chemicals. The BACC is a collection of over 38 water and wastewater agencies around the greater San Francisco Bay Area ranging from Sacramento to Gilroy that work together to leverage their combined purchasing power and achieve better chemical pricing. The District obtains competitive quotes for chemicals (Zinc orthophosphate and Fluoride) that are not available through the BACC. The bid and quotation results for each water treatment chemical is included in the table below.

### Bid and Quotation Results for Furnishing Water Treatment Chemicals

July 01, 2021 – June 30, 2022

CHEMICAL	COMPANY	ESTIMATED QUANTITY	UNIT PRICE	TOTAL ESTIMATED COST
Aqua Ammonia	Hills Brothers Chemical Co.	20,000 gal	\$3.975	\$79,400

Ferric Chloride	Thatcher Co	930 tons	\$731	\$679,830
Hydrofluorosilicic Acid	Thatcher Co	32,000 gal	\$3.27	\$104,640
Caustic Soda	Univar USA Inc.	546 dry tons	\$447.28	\$244,215
Sodium Hypochlorite	Univar USA Inc.	220000 gal	\$0.7691	\$169,202
Corrosion Inhibitors	Brenntag Pacific	135 tons	\$994	\$134,190
Total Estimated Cost:				\$1,411,477

The total estimated cost of \$1,411,477 is 4.61% higher than the prior year bids.

A brief review and explanation of water treatment chemicals (ferric chloride, polymers, sodium hypochlorite, ammonia, caustic soda, zinc orthophosphate, and fluoride) used by MMWD follows.

### **Specifications and Standards**

In addition to the District's own requirements, standards published by the American Water Works Association are used in the purchase contract. Also, since 1994, California has required that all drinking water "direct additive" products be certified by a testing organization that is accredited by the American National Standards Institute (ANSI). The two major testing organizations are the National Sanitation Foundation (NSF International) and Underwriter's Laboratory (UL). These organizations provide independent quality control oversight to the producers of drinking water treatment chemicals.

### **Removal of Particulate Matter (Coagulation/Flocculation/Sedimentation)**

All surface waters contain naturally-occurring suspended and dissolved matter such as clays, decayed organic matter, metal oxides, and minerals like silica. These particles are too small to be removed by gravity settling alone, partly due to the negative charge of the particles which helps keep them in suspension. The district adds a coagulant, ferric chloride, which acts to disrupt the natural particle charge so that dissolved matter comes out of solution to form particles and these particles and as well as suspended solids are attracted to each other to form larger particles. Flocculation is the process of applying mixing energy to the water containing the small particles to promote particles coming into contact with each other thereby enabling the formation of larger particle groups (called flocs). The floc particle groups are heavy enough to settle and be removed through sedimentation from the drinking water. Each of these



processes (coagulation, flocculation and sedimentation) takes place in the large circular clarifiers at district treatment plants.

Ferric chloride also enables the district to continue meeting the stringent regulations limiting total organic carbon (TOC), a surrogate parameter for the precursors of disinfection by-products. The use of ferric chloride has significantly reduced TOC and lowered disinfection by-products in treated water and puts the district in good position to continue to meet regulations and reduce health concerns about disinfection by-products. As an added benefit, ferric chloride is less sensitive to changes in raw water conditions typically encountered when changing supply from one reservoir to another.

### **Polymers**

To further control particle charge, and thereby improve the removal of particulates and filtration processes, polymers or polyelectrolytes may be added. Polymers are high molecular weight, long-chained organic compounds. Polymers that create a positive charge are referred to as cationic polymers, and those polymers that create a negative charge are referred to as anionic, and a third variety that provides an overall neutral charge are referred to as nonionic. Polymers added to enhance coagulation are referred to as a *coagulant aid* while those added to enhance filtration are called a *filter aid*.

### **Destruction of Disease Causing Organisms (Disinfectants)**

Chlorine in the form of sodium hypochlorite (bleach) is used to inactivate disease causing bacteria, viruses, and, to some extent, protozoa. MMWD uses two forms of chlorine: free and combined.

Free chlorine is used as the primary disinfectant; with appropriate doses and contact time this strong disinfectant virtually eliminates the risk from bacteria, viruses, and most protozoa. The use of chlorine in water treatment is largely responsible for the near-elimination of waterborne disease in the U.S. However, free chlorine has some drawbacks such as limited ability to penetrate the thick walls of the *Cryptosporidium* oocyst, which can cause gastrointestinal illness, has little effect on biofilm in the distribution system, creates disinfection by-products with regulatory limits and health concerns by reaction with naturally occurring matter in the water, has poor persistence, and imparts a chlorinous taste and smell to drinking water.

Combined chlorine or chloramine (chlorine combined with ammonia) is too slow-acting to use as a primary disinfectant but is an excellent secondary disinfectant. Chloramine doesn't create THMs or other chlorine by-products, has excellent persistence and ability to penetrate biofilm, and does not have a chlorinous taste or smell. Recent research has indicated that chloramine following chlorine disinfection can achieve significant inactivation of *Cryptosporidium*.

Free chlorine is used within the treatment plant where its strength and kinetic advantage is needed. Once primary disinfection has been achieved, the free chlorine is converted to chloramine before the water leaves the plant to provide a long-lasting disinfectant residual

providing bacterial protection throughout the distribution system and results in better tasting water.

### **Corrosion Control (Caustic Soda & Zinc Orthophosphate)**

Corrosion control is important in maintaining the longevity of the District's pipe network as well as consumer household piping and helps to maintain compliance with lead and copper water quality regulations. MMWD uses two chemicals to provide corrosion control to the water: pH adjustment using caustic soda (sodium hydroxide) and zinc orthophosphate. The two chemicals have a synergistic effect that protects both the customers' and the District's piping without the scale build-up of other techniques. Corrosion control also minimizes the lead and copper that can leach from customers' soldered copper piping and brass faucets. MMWD has one of the lowest lead/copper corrosion rates in the Bay Area as measured by first-draw testing at customers' faucets. New and existing plumbing components still contain small amounts of lead, therefore the district's corrosion control program is critical to minimizing the amount of lead in drinking water.

### **Fluoride**

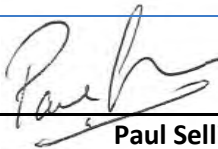

Fluoride in the form of hydrofluorosilicic acid is added to boost the naturally-occurring fluoride level (0.1 mg/L) to the optimum level for cavity prevention (0.7 mg/L). Fluoride addition was implemented following the passage of a voter initiative in 1972, which was reconfirmed by the District's voters in 1978. In California, legislation was enacted in 1995 which requires fluoridation after 1997 for all public water agencies serving populations over 10,000 if there is an external source of funding.

### **FISCAL IMPACT**

The purchase of water treatment chemicals is essential to the production of safe drinking water and the cost of water treatment chemicals is included in the proposed budget for FY 2021/22.

### **ATTACHMENT(S)**

None

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Operations	 Paul Sellier Operations Director	 Ben Horenstein General Manager



## Informational Item

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**TO:** Board of Directors

**FROM:** Ben Horenstein, General Manager

**ITEM:** Drought Update

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### SUMMARY

The District's total reservoir storage volume as of May 13<sup>th</sup> is 55% of the historical average or 49% of total storage. Rainfall to date is 20.6-inches which is lower than the 33.5-inches received last year by this time, and just 40% of the average 51.2-inches for this time of year. In response to initial indications of drought conditions in late winter, the Board adopted a resolution calling for voluntary conservation at the February 16<sup>th</sup> meeting. Due to continued dry conditions and historically low reservoir storage levels, the Board declared a water shortage emergency and adopted mandatory water use restrictions at the April 20<sup>th</sup> Board meeting. Additional conservation measures limiting sprinkler irrigation to two days per week and requiring pool covers to minimize evaporative losses were adopted by the Board at the May 4<sup>th</sup> meeting. Staff is prioritizing conservation actions and public messaging to educate and engage with our customers while also making efforts to optimize supply. Staff will provide a presentation to update the Board on all drought-related activities at this meeting.

### DISCUSSION

#### Water Supply and Production:

- As of May 13<sup>th</sup>, 2021, the District had 39,233 acre-feet of reservoir water storage, which is 49% of capacity and 45% below average for this date. This is the lowest total reservoir storage for this date since 1983 when Kent Dam was enlarged and capacity of the District's local water supply was increased to 79,566 acre-feet.
- In April, the District's total gross water production was 2,056 acre-feet, with 1,652 acre-feet from the District's reservoirs and 404 acre-feet of supplemental water.
- The average rate of water production for April 2021 was 22.3 million gallons per day (MGD) compared with 20.8 MGD in April 2020 and a typical peak summertime demand of approximately 35 MGD.
- For habitat benefit, in April, the District released a total of 1,185 acre-feet of water from Kent Reservoir into Lagunitas Creek and from Soulajule Reservoir into Walker Creek.

- In April, the water sources for the San Geronimo Treatment Plant was Nicasio Reservoir, and for the Bon Tempe Treatment Plant the water sources were Phoenix Lake and Bon Tempe Reservoir.
- As of May 13<sup>th</sup>, 2021, Lake Sonoma had 146,680 acre-feet of water which is 60% of capacity and approximately 64% of historical average for this time of year.
- As a result of this drought, the district reservoirs are projected to be as low as 25,000 acre-feet on December 1, 2021 in the absence of above average rainfall and runoff. With conservation efforts achieving a 40% reduction in demand, reservoir storage is projected to remain above 30,000 acre-feet.

**Drought Response:**

A Drought Task Force was instituted consisting of staff throughout the organization to work collaboratively to develop and implement key initiatives to optimize our existing water supply and implement conservation actions.

**Operational Initiatives and Water Supply Projects:**

- Utilize SoulaJule Reservoir - SoulaJule reservoir is a reserve reservoir and not used during normal water supply conditions. In February, the Board approved rental of a temporary generator to pump water from SoulaJule to Nicasio Reservoir. The rental generator has been delivered to SoulaJule Pump Station, and staff have initiated pumping reservoir water to Nicasio.
- Optimize the Use of Supplemental Water - Water imported from the Sonoma County Water Agency has been an important part of the District's water supply since the 1970s, and under normal conditions accounts for approximately 25 percent of our water supply. The District has been and continues to use this supply source to its fullest availability. As of the end of April the District has purchased 117% or 6,181 acre-feet of the 5,300 acre-feet that is typically received by end of June. Due to the dry conditions and reservoir levels Sonoma Water will reduce allocations to their retail customers, including MMWD beginning in July. From July through September MMWD will be restricted to 4-MGD and a slight increase in October to 4.6-MGD. Staff expects that reduced allocation may continue if rainfall is below average in the fall.
- Kastania Pump Station Rehabilitation Design - At the February 16, 2021 meeting, the board approved hiring a consulting team to assist staff in the evaluation and development of a rapid rehabilitation plan for Kastania pump station to increase capacity in the North Marin aqueduct. The project team presented preliminary assessment findings to the Board on April 6<sup>th</sup> and recommended proceeding with immediate recommission of the existing facility over the next 7 months. At the May 18<sup>th</sup> Board meeting, the Board will be considering next steps including approving the project and approving a contract for design and engineering work.

- Las Gallinas Valley Sanitary District Recycled Water Treatment Plant Update - Distribution of recycled water is proceeding as planned as LGVSD completes the upgrade of the Recycled Water Treatment facility. Las Gallinas have consistently provided recycled water for the past two weeks and while we do expect the occasional shutdown for testing and corrective work the recycled water is a welcome addition to the water supply.
- Recycled Water Truck Hauling - Staff has confirmed with CMSA that their treated effluent water is available for sewer flushing and construction dust control and is communicating with potential users. Staff is working to increase the access to recycled water by working with CMSA to increase their truck hauling capacity, installing additional hydrant meters on the purple hydrants in the Las Gallinas recycled water service area, working with the County of Marin to identify a location for a residential pick up station for recycled water, and staff has reached out to the Sewage Agency of Southern Marin to develop a recycled water fill station to allow members of the public to collect recycled water for irrigating their plants during this drought period.
- Environmental Releases - Staff is in the early stages of exploring the potential for modifications in environmental releases from Kent Lake. Efforts to engage and incorporate stakeholders early in this process were initiated in March as a preliminary approach was discussed at the Watershed Committee on March 18<sup>th</sup> as well as at the Lagunitas Creek Technical Advisory Committee. On April 6<sup>th</sup>, the Board awarded a contract to prepare a technical analysis. This study will evaluate if the required flow releases are functioning as intended while also exploring potential options for temporarily reducing the releases without significantly affecting the aquatic species residing in Lagunitas Creek. Stakeholder engagement will continue to be an integral part of study moving forward.

#### **Water Efficiency:**

- At the May 4<sup>th</sup> Board meeting, the Board approved enhancing Drought Response programs for customers by increasing existing conservation incentives or approving new incentive programs, including:
  - Increased Smart Irrigation Controller Program Rachio Rebates
  - Increased Turf Conversion Incentive from \$1/sq-ft to \$3/sq-ft
  - New Sheet Mulch Delivery Program
  - New Flume Flowmeter Incentive
  - New Pool Cover Incentive
  - New Hot Water On-Demand Rebate

**Drought Public Outreach:**

- Staff developed a bill insert which includes the new rules and additional water conservation tips for both indoor and outdoor water use. Customers will receive the new insert in the next billing cycle beginning in May
- A follow up postcard mailer, sent separately from the billing will be sent to all residents in the service area
- Staff partnered with the City of San Rafael, the Town of San Anselmo and the Town of Tiburon to put up large banners and signage in the downtown areas beginning in May.
- A sign discussing the drought and dry conditions was developed and placed on the Watershed created and inserted into kiosks.
- Staff also continued to schedule presentations with cities, towns, and community groups providing outreach and education on the drought and mandatory water use restrictions.
- Upcoming city or town council presentations:
  - Marin County Board of Supervisors – May 18
  - City of San Rafael (Vegetation Management) – May 18
  - Tiburon City Council – May 19
  - Mill Valley City Council – June 7
  - Ross Town Council – June 10
- Upcoming community presentations:
  - Marin Villages – May 20
  - Annual Dominican/Black Canyon Neighborhood Association Meeting – June 5

**FISCAL IMPACT**

As previously shared with the Board, the combined loss in revenue and unbudgeted expenses due to the drought is projected at \$12.5M over the next eight months due to voluntary conservation efforts. An additional \$8M of revenue loss is projected over the same period if mandatory conservation efforts are implemented, bringing the net projected fiscal impact to \$20.5M over 8 months. The District's reserves, along with tight expenditure controls, is anticipated to address the deficit.

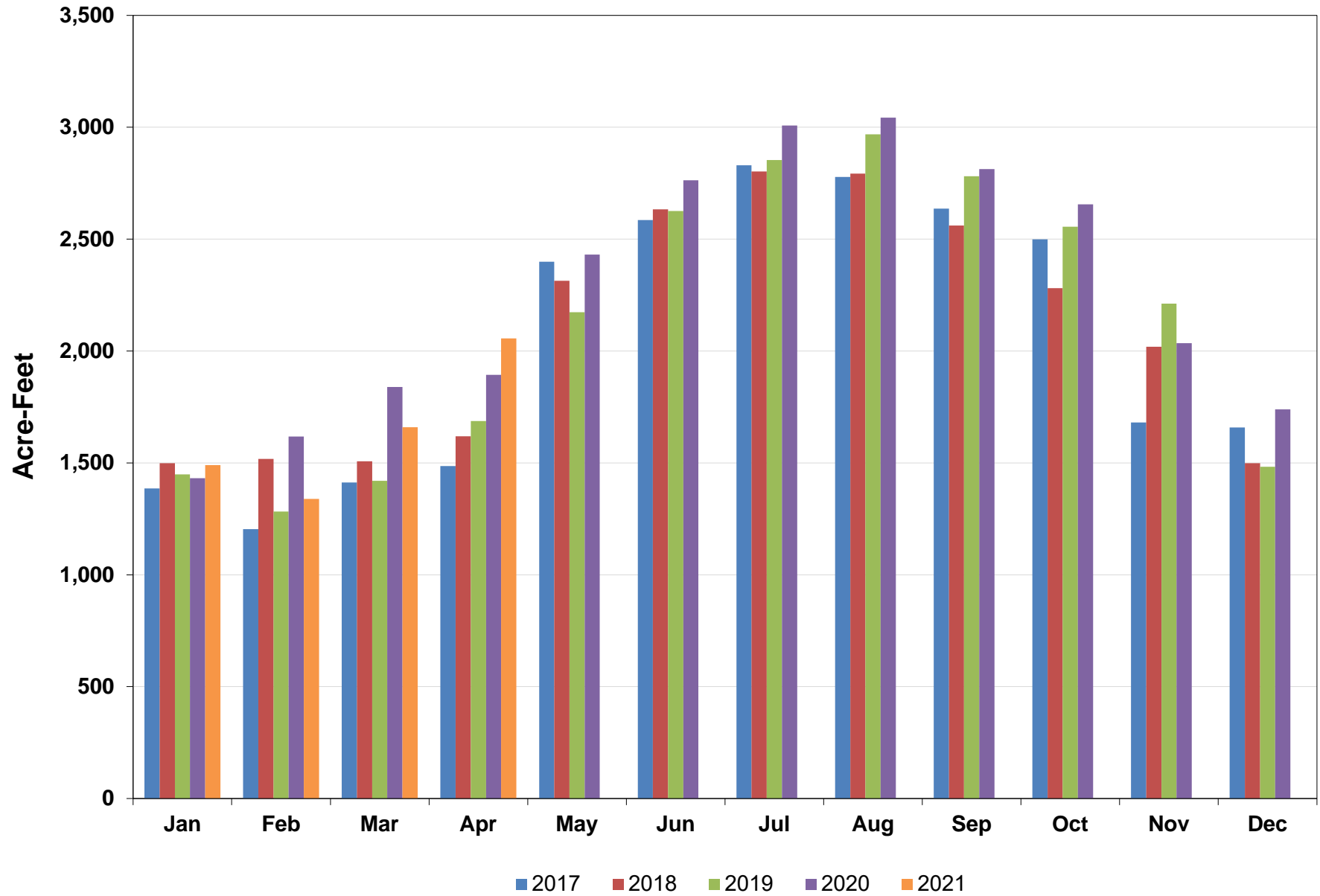
**ATTACHMENT(S)**

1. Water Supply and Production Charts

Total Potable Water Production						
Month	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Jul	2,287	2,636	2,830	2,802	2,853	3,008
Aug	2,369	2,630	2,778	2,792	2,968	3,043
Sep	2,239	2,449	2,637	2,561	2,781	2,813
Oct	2,148	1,963	2,499	2,281	2,555	2,655
Nov	1,628	1,455	1,681	2,019	2,212	2,035
Dec	1,429	1,400	1,659	1,499	1,482	1,739
Jan	1,364	1,386	1,499	1,448	1,432	1,490
Feb	1,338	1,203	1,518	1,283	1,618	1,339
Mar	1,390	1,413	1,507	1,419	1,839	1,659
Apr	1,665	1,486	1,619	1,687	1,894	2,056
<b>Total YTD</b>	<b>17,856</b>	<b>18,022</b>	<b>20,227</b>	<b>19,791</b>	<b>21,634</b>	<b>21,837</b>

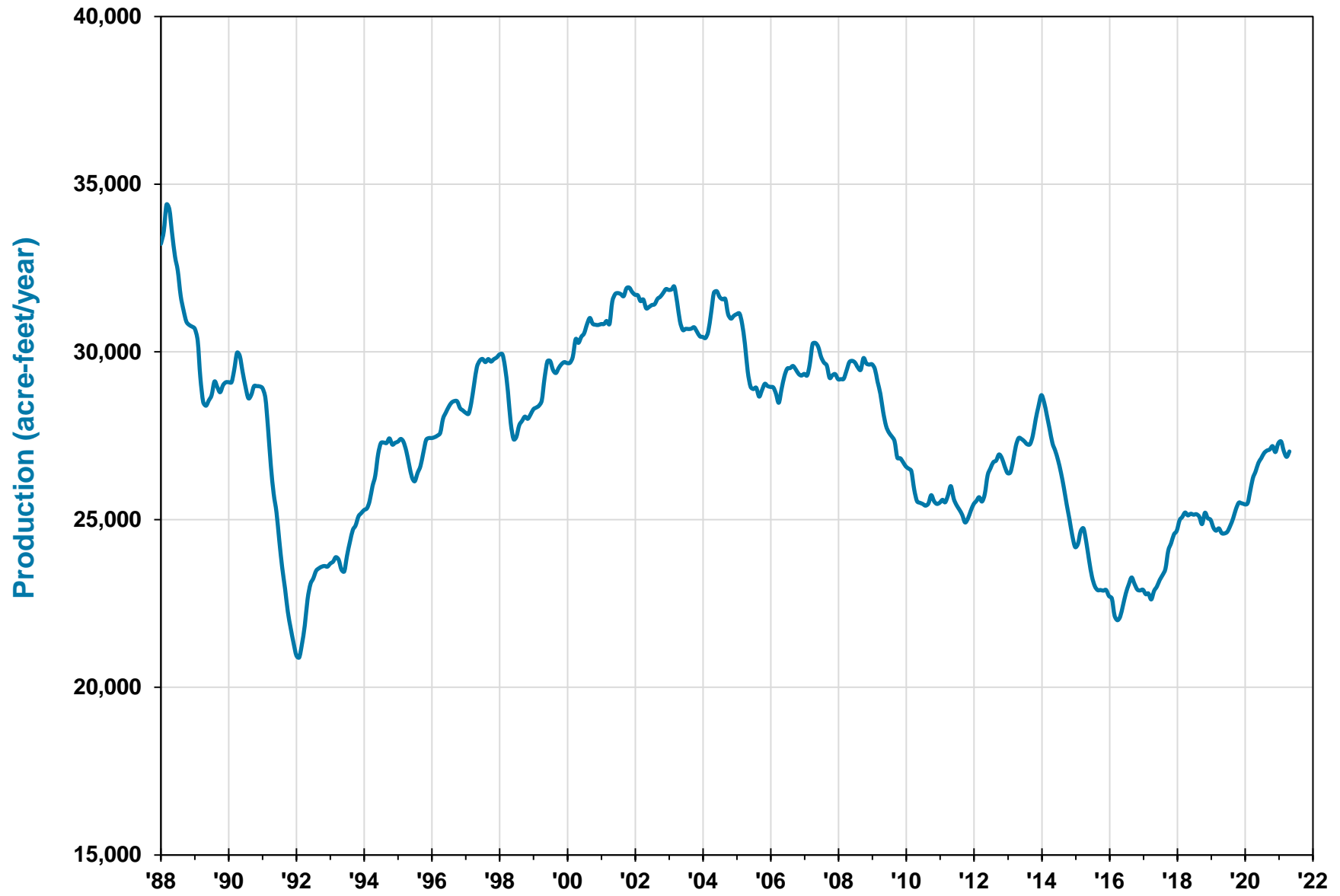
Imported Water Production						
Month	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Jul	364	390	364	374	545	663
Aug	355	378	532	382	543	600
Sep	378	360	543	366	548	505
Oct	380	361	457	371	400	527
Nov	329	341	225	368	202	598
Dec	376	308	193	369	194	734
Jan	362	201	191	200	433	875
Feb	176	176	208	178	521	698
Mar	191	293	536	291	378	576
Apr	688	827	607	791	552	404
<b>Total YTD</b>	<b>3,599</b>	<b>3,634</b>	<b>3,855</b>	<b>3,691</b>	<b>4,316</b>	<b>6,181</b>

## Monthly Potable Water Production

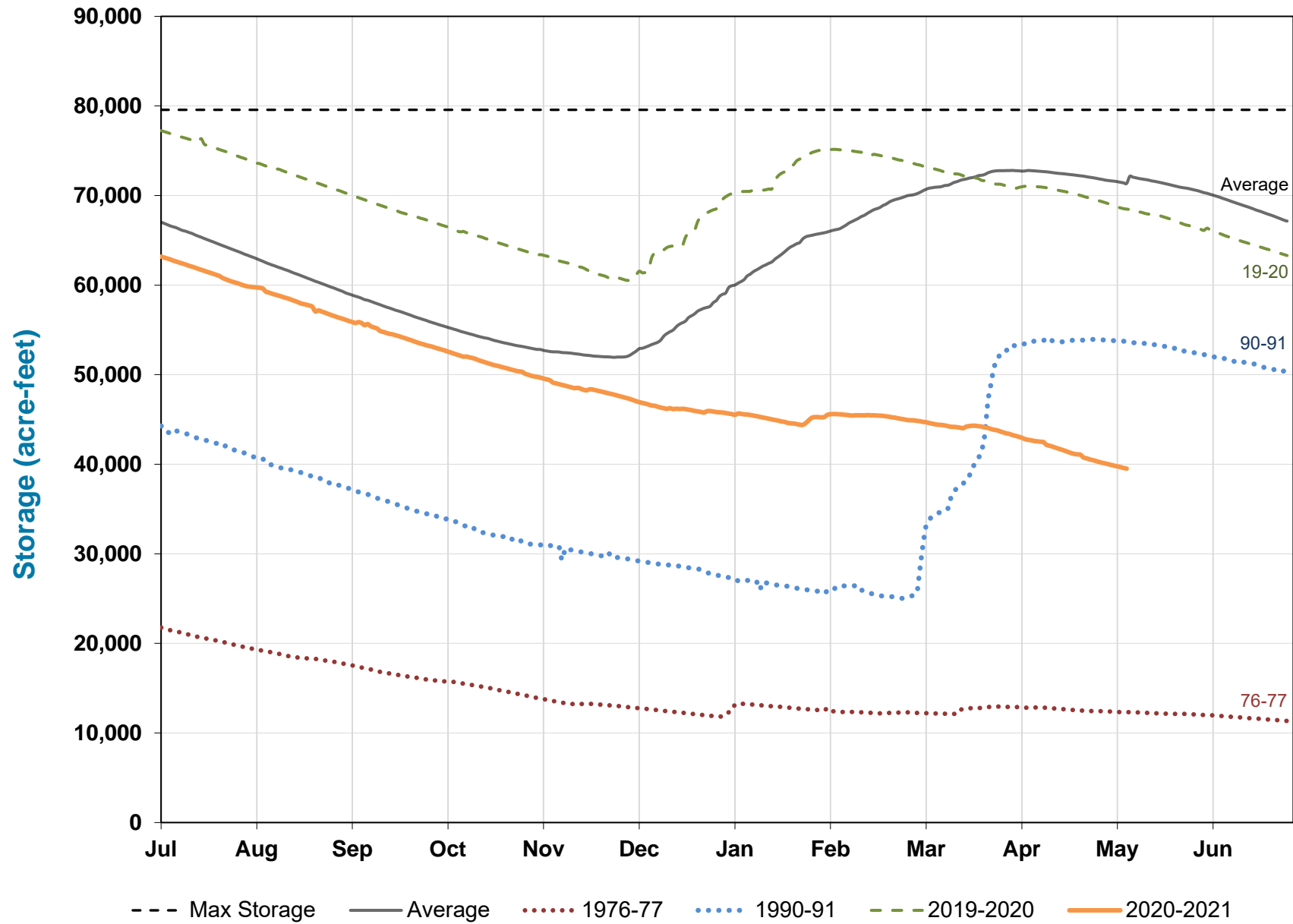




## Running 12-month Potable Water Production (AF)

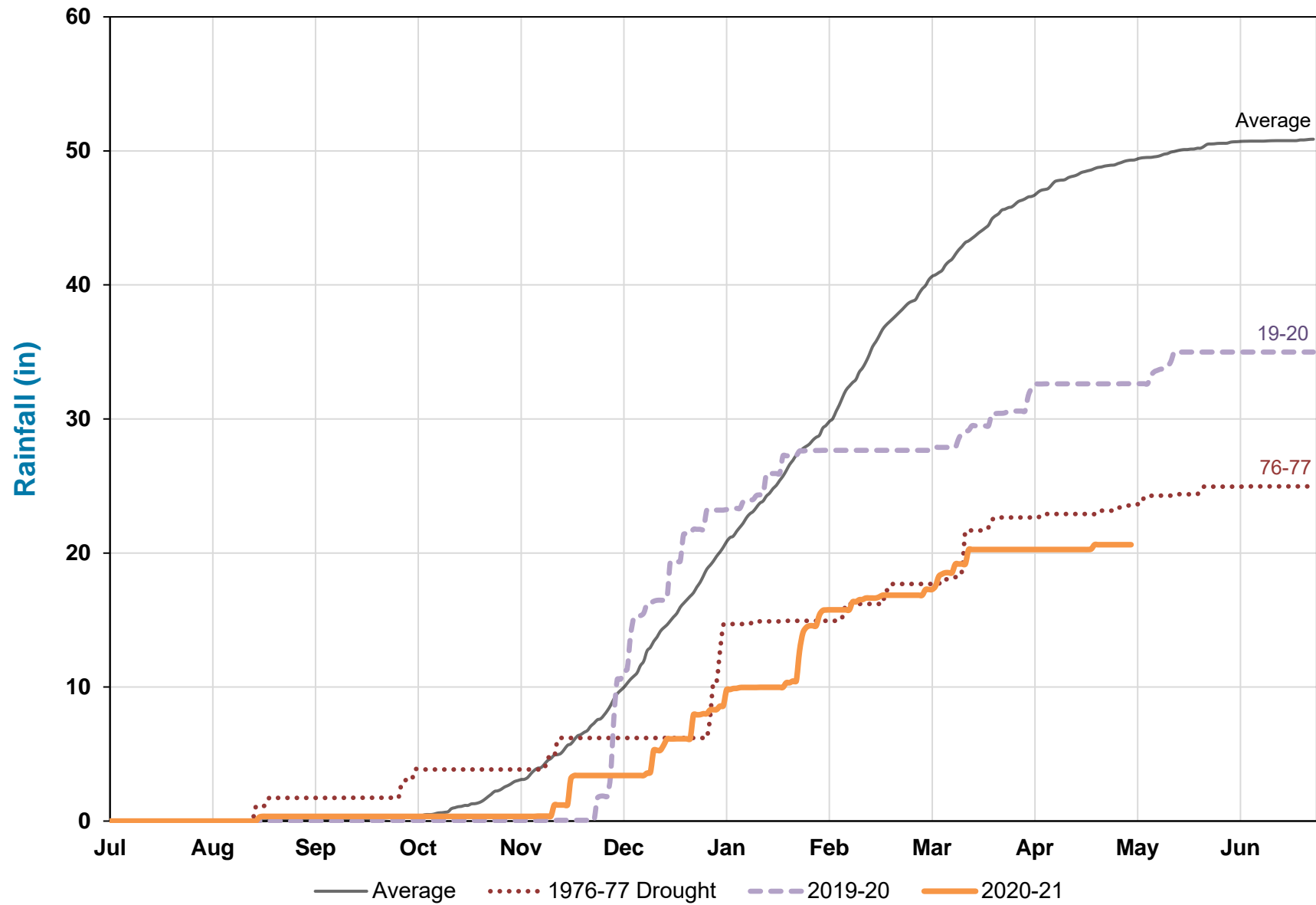


## Total Reservoir Storage

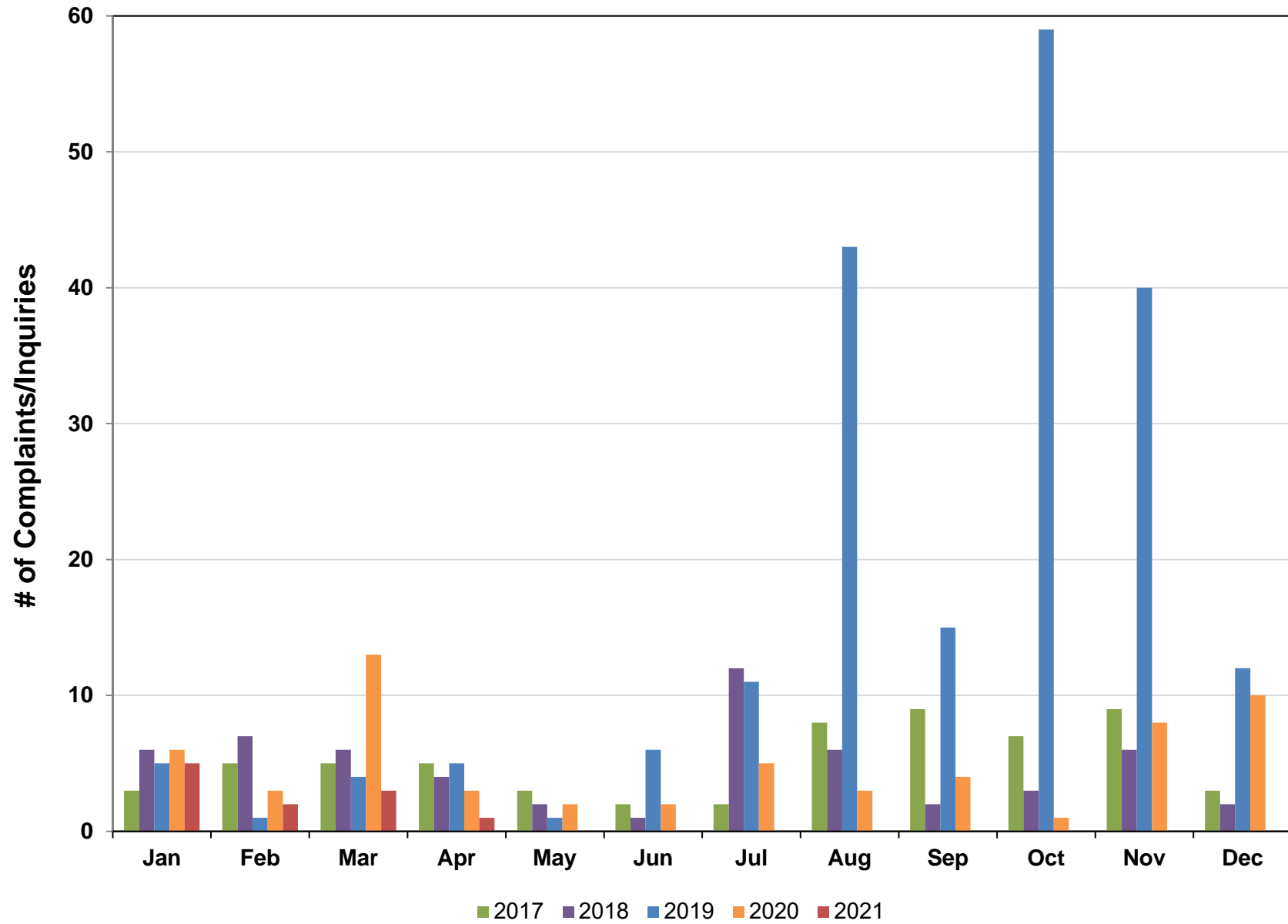


# Cumulative Precipitation

Lake Lagunitas Rain Gauge



## MMWD Customer Complaints/Inquiries for Taste and Odor





## Informational Item

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**TO:** Board of Directors

**FROM:** Michael Ban, Director of Engineering

**THROUGH:** Ben Horenstein, General Manager

**DIVISION NAME:** Engineering

**ITEM:** Options for New Connections during Drought Conditions

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### SUMMARY

At the Operations Committee meeting on April 16<sup>th</sup>, staff presented an overview of options for addressing new connections to the District's water system during drought conditions that ranged from additional landscape restrictions to a temporary prohibition on new service connections. Staff will continue the discussion and provide more detail on a range of options for the Board to consider.

### DISCUSSION

There are approximately 60,500 active services connected to the District's water system. Two new residential developments that have met all environmental and final approvals from the local planning agencies and will most likely be requesting a Pipeline Extension Agreement with the District in the coming months include a 28 unit single family residential development with five detached Accessory Dwelling Units (ADUs) located at Erin Drive in San Rafael and is known as the Talus Reserve project, and a 45 townhome development (including nine Below Market Rate (BMR) units) in 9 buildings at 350 Merrydale Road in San Rafael.

Options for addressing new connections to the District's water system during drought include:

- Option 1 – Status Quo
- Option 2 – Landscape Restrictions
- Option 3 – Water Demand Offsets in New Service Connections
- Option 4 – Temporary Prohibition on New Service Connections

### Option 1 – Status Quo

Under this option, new service connections will continue to be required to comply with the District's existing landscape water efficiency requirements, which limits high water use plants to

25% of the landscaped area for residential customers, and to 14% of the landscaped area for commercial customers.

In addition to the mandatory water waste prohibitions recently adopted by the Board, new service connections will continue to be required to comply with the District's water efficiency requirements, which include, but are not limited to, high efficiency plumbing fixtures (i.e. clothes washers, faucets), use of pool covers, installation of pressure reducing valve, automatic irrigation controllers using evapotranspiration or soil moisture sensor data with a rain sensors to suspend irrigation during rain events. Turf is prohibited on slopes exceeding 10%, planting areas 10 feet wide or less, within street medians or traffic islands, additionally in planter strip adjacent to hardscape, bulbouts or parkways. Overhead spray is required to have a 24" setback from hardscape to minimize run off. A minimum of 3" of mulch on all exposed surfaces and isolation valve at each valve irrigation or valve manifold. Compliance with a maximum applied water allowance, which is calculated based on limited high-water use plant material, type of irrigation system and local weather conditions, is required for approval.

### **Option 2 – Landscape Restrictions**

Under this option, the District will implement additional landscape restrictions for residential and non-residential customers.

#### Residential

Turf will not be allowed in front yard landscaping and would be limited to 25% of the landscaped area in backyards.

#### Non- Residential

Non-functional turf will be prohibited. Examples of functional turf will include parks, ballfields and schoolyards.

### **Option 3 – Water Demand Offsets in New Service Connections**

Under this option, new service connections will be required to pay for off-site water conservation measures to achieve an offset of the water demand being created by the new connection. The East Bay Municipal Utility District has implemented a "Water Demand Offset" program for large new residential developments located outside their service area and requiring annexation. The District contemplated this type of program when evaluating a large development on Lucas Valley Road located outside of the District's service area. Because the project was outside the District service area, the District had a greater amount of latitude to negotiate conditions to annexation approval than it would regarding those parcels already within the District service area. In that case, the developer ultimately decided not to pursue the project and therefore the District did not implement the proposed Water Demand Offset Program, which was developed specific to that project.

There are several agencies in California that have implemented water demand offset programs for new connections located within their service area in response to chronic water supply issues. The Soquel Creek Water District's program began in 2003 due to their over-drafted groundwater basin. Morro Bay's program started in 1985. The City of St. Helena's program has been in place since 1994, and the City of Santa Monica's program has been in place since 1991.

Steps needed to make this happen include, but are not limited to:

- Establish the water demand of the new service connection.
- Identify the ratio of offset measures to be achieved, such as 1:1 or 2:1. In other words, for every gallon of new demand, would the new service connection be required to achieve an offset of 1 gallon (1:1) or 2 gallons (2:1).
- Develop and calculate a fee to be paid by the customer and to be used by the District to fund off-site water conservation projects. A program implemented by EBMUD referred to this as a "Water Demand Mitigation Fee." The Soquel Creek Water District calls this an "offset credit." This would require a detailed financial study, similar to a Water Demand Fee study, to identify the range of conservation and/or other water saving measures, their associated costs, the amount of water they would save, a plan for implementing the measures, the basis for the fee (i.e. by meter size, amount of water used), and establish a clear nexus between the fee and the impact on the District's water supply conditions from the proposed development. It would take approximately 9 – 12 months to complete this study.
- Develop a program to monitor the water use of the new service connection to ensure they are in compliance with the program. For larger developments, this could include the preparation and submittal of an annual report to the District on the development's water use.

In order to be legally supportable, the District would want to undertake to establish a consistent methodology to determine the proposed water demand of new service requests, as well as to determine the supportable costs associated with an "offset". The program should be adopted on a District-wide basis for any new service connections, similar to a demand fee for new service connections.

#### **Option 4 – Temporary Prohibition on New Service Connections**

Under Option 4, the District will place a temporary prohibition on new services connections. The purpose of a temporary prohibition on new service connections will be to prohibit an increase in the water demand on the District's available water supplies by limiting additions to the District's water system while drought conditions exist. In its history, the District has twice enacted temporary prohibitions on new service connections.

The first occurred in the early 1970s in response to the drought and was in place for over five years from April 1973 to November 1978. In 1972, the District estimated consumption at

33,000 acre-feet, with potential additional demand of 3,500 acre-feet with approximately 1,000 acre-feet to be added annually based on past history. A summary of actions taken by the District is provided in Table 1 below. Copies of the resolutions and ordinances referenced in Table 1 are provided in Attachment 1.

**Table 1**  
**Summary of Drought and Connection Prohibition Actions**  
**1972 – 1978**

<b>Date</b>	<b>Action Taken</b>
June 14, 1972	Adopted Resolution 4792 declaring threatened water shortage condition to exist within MMWD.
February 14, 1973	Adopted Resolution 4845 declaring threatened long term water shortage condition to exist within MMWD and specifying measures to be taken to conserve and augment the water supply.
April 30, 1973	Adopted Ordinance 120, an interim ordinance finding and declaring that a threatened water shortage condition exists within the District and establishing regulations, prohibitions and restrictions on the delivery and consumption of water.
May 23, 1973	Adopted Resolution 4861, which amended Resolution 4845 relating to the declaration of water shortage conditions.
June 7, 1973	Adopted Ordinance 121 enacting prohibitions and restrictions on new water service connections.
November 15, 1978	Adopted Ordinance 192, repealing water moratorium and water shortage emergency condition.

The second prohibition was in place for over four years from February 1989 to March 1993. A summary of actions taken by the District is provided in Table 2 below. Copies of the resolutions and ordinances referenced in Table 2 are provided in Attachment 2.

**Table 2**  
**Summary of Drought and Connection Prohibition Actions**  
**1989 – 1993**

<b>Date</b>	<b>Action Taken</b>
February 27, 1989	Adopted Ordinance 287 and Resolution 6028 enacting prohibitions and restrictions on new water service connections.
March 8, 1989	Adopted Ordinance 288 revising prohibitions and restrictions on new water service connections.
July 12, 1989	Adopted Ordinance 296 revising Section 13.01.020 – Exception for Certain Pipeline Extensions of the MMWD Code



December 13, 1989	Adopted Ordinance 302 which repealed Ordinances 287, 288 and 296 and established further prohibitions on new water facilities
March 24, 1993	Adopted Ordinance 346 lifting prohibitions and restrictions on new water facilities and connections

Any temporary connection prohibition would require a public hearing and would be enacted by ordinance. Locally, the North Marin Water District adopted a temporary prohibition on new service connections on April 20<sup>th</sup> which becomes effective on July 1, 2021.

Before taking action to implement a temporary prohibition on new service connections, the District may wish to consider:

- The scope and extent of the prohibition:
  - Will all requests that involve an increase in water demand be denied, or will there be exceptions?
  - If exceptions/variances are allowed, what are they? What is the process for approving or denying an exception?
  - Additional staffing may be needed to review and process the variances and respond to customer inquiries.
- When will the prohibition go into effect, and will it except out those projects for which a building permit has been issued?
- When would the prohibition be lifted?
- Public Outreach. An extensive public outreach campaign will be needed to explain the prohibition to District customers and to inform the impacted land use planning agencies, including the County of Marin and the cities of San Rafael, Sausalito, Belvedere, San Anselmo, Mill Valley, Tiburon, Fairfax, Ross, Larkspur, and Corte Madera. The campaign should begin prior to the effective date of the prohibition and run throughout the prohibition, and include periodic updates to the land use planning agencies.

District staff requests the Board of Directors provide direction on which option or options they would like presented at a future Board meeting for further review and discussion.

#### **FISCAL IMPACT**

None

#### **ATTACHMENT(S)**

- Attachment 1 - Drought and Temporary Connection Prohibition Actions 1972 – 1978
- Attachment 2 – Drought and Temporary Connection Prohibition Actions 1989 - 1993

**Drought and Temporary Connection Prohibition Actions  
1972 – 1978**

<b>Date</b>	<b>Action Taken</b>
June 14, 1972	Adopted Resolution 4792 declaring threatened water shortage condition to exist within MMWD.
February 14, 1973	Adopted Resolution 4845 declaring threatened long term water shortage condition to exist within MMWD and specifying measures to be taken to conserve and augment the water supply.
April 30, 1973	Adopted Ordinance 120, an interim ordinance finding and declaring that a threatened water shortage condition exists within the District and establishing regulations, prohibitions and restrictions on the delivery and consumption of water.
May 23, 1973	Adopted Resolution 4861, which amended Resolution 4845 relating to the declaration of water shortage conditions.
June 7, 1973	Adopted Ordinance 121 enacting prohibitions and restrictions on new water service connections.
November 15, 1978	Adopted Ordinance 192, repealing water moratorium and water shortage emergency condition.

MARIN MUNICIPAL WATER DISTRICT

RESOLUTION NO. 4792

RESOLUTION DECLARING THREATENED  
WATER SHORTAGE CONDITION TO EXIST  
WITHIN MARIN MUNICIPAL WATER DISTRICT  
AND SPECIFYING MEASURES TO BE TAKEN TO  
CONSERVE AND AUGMENT THE WATER SUPPLY

WHEREAS, after publication in the Independent Journal on May 17, 1972, of a notice of meeting, the Board of Directors of the District has held a public hearing on May 24, 1972, to consider the declaration of a water shortage emergency condition and, further, to consider the imposition of regulations and restrictions to conserve the water supply; and

WHEREAS, at said hearing, the staff of District presented factual data concerning the water supply, consumption, rainfall runoff and possible improvements to the water works system; and

WHEREAS, at said hearing, numerous consumers of the District questioned the members of the staff on the data presented and made statements to the Board of Directors as to their respective needs and as to the factual matters concerning the water supply and demand; and

WHEREAS, at the conclusion of said public hearing, the members of the Board expressed their individual findings and position with respect to the issues before the meeting, and, by unanimous vote, passed the following motions:

(1) Declaring that a threatened water shortage condition exists within the District

(2) Directing counsel for the District to submit proposed findings for consideration and adoption at the next regular meeting of the Board, and

(3) That the Board take immediate actions with respect to said findings; and

WHEREAS, the attorney for District has submitted proposed findings and the same have been considered by the Board.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF MARIN MUNICIPAL WATER DISTRICT DOES RESOLVE AS FOLLOWS:

1. The Board hereby finds, declares and determines that a threatened water shortage condition exists within the District.

2. The foregoing declaration is based upon the following findings of fact:

- a. The total water shortage as of May 24, 1972, was 36,000 acre feet.
- b. Water consumption in the District during the past several years has increased at a substantial rate and is estimated to reach 33,000 acre feet in 1972.
- c. Based on an estimated, annual consumption of 33,000 acre feet, the storage in District reservoirs as of November 1, 1972, will be 14,260 acre feet (after deducting 18,290 acre feet for consumption May 24-October 31, 2,910 acre feet for evaporation losses and 440 acre feet for releases).
- d. In the winter of 1971-72, the watershed produced a runoff, or yield, of 21,000 acre feet, whereas the average runoff is 55,000 acre feet.
- e. An average annual runoff of 55,000 acre feet (or more) has occurred 23 out of the 60 years of records; a runoff of 21,000 acre feet (or less) has occurred 8 out of the 60 years; and a runoff between said two figures, e.g., 35,000 acre feet (or more) has occurred 38 out of the 60 years.
- f. If a "low runoff" situation (35,000 acre feet or less) occurs in the winter of 1972-73, it will be necessary to institute a mandatory rationing program as of January 1, 1973, in order to meet the demands of the system for the summer and fall of 1973, whereas if either of the other two conditions prevail, said demands may be met without imposing mandatory rationing, assuming consumption estimates prove to be correct.
- g. The net safe yield of the watershed is 30,000 acre feet, whereas consumption for 1972 is estimated at 33,000 acre feet.
- h. Installed water services, not yet in operation, pending pipeline extension agreements, executed pipeline extension agreements and vacant land fronting on existing mains all constitute a potential additional demand of approximately 3,500 acre feet, but past history indicates that only approximately 1,000 acre feet of this potential will be added per year.
- i. The North Marin Intertie, now under design, will increase the net safe yield from 30,000 acre feet to a minimum of 34,000 acre feet, thus alleviating the present "overdraft" situation.

3. In order to meet critical water shortage situation, the Board hereby adopts, and signifies its intention to adopt, the following measures:

- a. The North Marin Intertie will be constructed as soon as possible after appropriate contracts for water delivery have been consummated.

- b. The staff is hereby directed to institute a continuing program of water conservation with mailings and other appropriate notice being given to consumers and a description of the measures being taken shall be presented to the Board for Board approval as they are instituted.
- c. A reevaluation of the water supply shall be presented to the Board by the staff December 13, 1972, and unless early, winter runoff indicates at least an "average" runoff winter, the Board will adopt a mandatory rationing program and/or any other appropriate measures to be effective January 1, 1973, the details thereof to be presented to the Board December 27, 1972, for adoption.
- d. The staff is directed to present to the Board at the earliest possible date a report on alternative possibilities for augmenting the water supply of District, with the intent that one, or more, of the alternatives be presented to the voters as soon as possible.

The FOREGOING RESOLUTION was duly and regularly passed and adopted at a regular meeting of the Board of Directors of Marin Municipal Water District held on the 14th of June, 1972, by the following vote:

AYES: Directors Felson, MacPhail, Miller

NOES: None

ABSENT: Directors Martinelli, Anderson

  
President, Board of Directors

Attest:   
Secretary Pro Tem, Board of Directors

MARIN MUNICIPAL WATER DISTRICT

RESOLUTION NO. 4845

RESOLUTION DECLARING THREATENED LONG TERM  
WATER SHORTAGE CONDITION TO EXIST  
WITHIN MARIN MUNICIPAL WATER DISTRICT  
AND SPECIFYING MEASURES TO BE TAKEN  
TO CONSERVE AND AUGMENT THE WATER SUPPLY

WHEREAS, the Board of Directors of the District, after a noticed, public hearing, adopted Resolution No. 4792 on June 14, 1972, said Resolution declaring a threatened water shortage condition to exist within Marin Municipal Water District and specifying measures to be taken to conserve and augment the water supply; and

WHEREAS, based on data available to the Board as of November 21, 1972, the Board on said date rescinded their above action and established a net safe yield figure of 37,000 acre/feet, including therein the 4,000 acre/feet to be supplied by the North Marin Intertie; and

WHEREAS, as of January 10, 1973, by a 2 to 2 vote of the Board of Directors, the North Marin Intertie project was postponed, so that the eventual completion date of said project or, in fact, the completion of the project, at all, is now questionable; and

WHEREAS, as of January 24, 1973, the Board of Directors received, from their engineering consultants (CH2M/Hill), the "Memo Report of Phase II" of the Water Management Study, in which said consultants recommended a figure of 26,000 acre/feet as the yield of the existing system for planning purposes and, based upon said recommendation, the Board of Directors did adopt said figure of 26,000 acre/feet as the safe yield of the existing system; and

WHEREAS, after due published notice, the Board of Directors of the District has now held a further public hearing on February 7, 1973, to again consider declaration of a water shortage condition, and further, to consider the imposition of regulations and restrictions to conserve the water supply; and

WHEREAS, at said hearing, the staff of District presented factual data concerning the water supply, consumption, rainfall runoff and possible improvements to the water works system; and

WHEREAS, at said hearing, numerous consumers of the District questioned the members of the staff on the data presented and made statements to the Board of Directors as to their respective needs and as to the factual matters concerning the water supply and demand; and

WHEREAS, at the conclusion of said public hearing, the members of the Board expressed their individual findings and position with respect to the issues before the meeting, and, by unanimous vote, passed the following motions:

- 1) Declaring that a threatened water shortage condition exists within the District
- 2) Directing counsel for the District to submit proposed findings for consideration and adoption at the next, regular meeting of the Board and
- 3) That the Board take immediate actions with respect to said findings; and

WHEREAS, the attorney for District has submitted proposed findings and the same have been considered by the Board.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF MARIN MUNICIPAL WATER DISTRICT DOES RESOLVE AS FOLLOWS:

1. The Board hereby finds, declares and determines that a threatened water shortage condition exists with the District, but that such condition is not an emergency since the District presently has an adequate water supply to prevent rationing for the next year.

2. The foregoing declaration is based upon the following findings of fact:

- a. The average estimated water consumption in the District is expected to reach 32,500 acre/feet in 1973-1974, but the annual safe yield of the system has now been determined to be 26,000 acre/feet.

- b. An average runoff of 55,000 acre/feet (or more) has occurred 23 out of the 60 years of records; a runoff of 21,000 acre/feet (or less) has occurred 8 out of the 60 years; and a runoff of 35,000 acre/feet (or more), has occurred 38 out of the 60 years.

- c. If a runoff of 21,000 acre/feet (or less) were to occur in the winter of 1973-1974, and the following year, it would be necessary to institute mandatory rationing in order to meet the demands of the system for the summer and fall months of 1975.

- d. The total storage capacity of the existing system is about 53,000 acre/feet and, as of the date of this resolution, with the lakes full, said storage is at maximum capacity.

- e. Installed water services, not yet in operation, pending pipeline extension agreements, executed pipeline extension agreements and vacant land fronting on existing mains all constitute a potential additional demand of approximately 3,500 acre/feet, but past history indicates that only approximately 1,000 acre/feet of this potential will be added per year.

3. In order to meet the threatened water shortage situation, the Board hereby adopts, and signifies its intention to adopt, the following measures:

a. The staff is hereby directed to continue a program of voluntary water conservation with mailings and other appropriate notice being given to consumers and a description of the measures being taken shall be presented to the Board as they are instituted.

b. The staff is directed to present to the Board at the earliest possible date, in conjunction with Phase III of the CH2M/Hill Report, a report on alternative possibilities for augmenting the water supply of District, with the intent that one, or more, of the alternatives be presented to the voters in November of 1973.

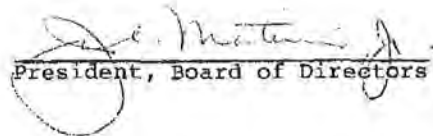
c. A reevaluation of the water supply shall be presented to the Board by staff no later than immediately after the November 1973 election.

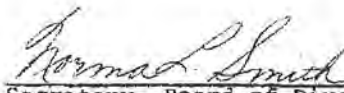
PASSED and ADOPTED on the 14th day of February, 1973, by the following vote of the Board:

AYES: Directors Felson, MacPhail, Stafford, Martinelli

NOES: None

ABSENT: None

  
President, Board of Directors

ATTEST:   
Secretary, Board of Directors



MARIN MUNICIPAL WATER DISTRICT

ORDINANCE NO. 120

AN INTERIM ORDINANCE FINDING AND DECLARING THAT A  
THREATENED WATER SHORTAGE CONDITION EXISTS WITHIN  
THE DISTRICT AND ESTABLISHING REGULATIONS, PROHI-  
BITIONS AND RESTRICTIONS ON THE DELIVERY AND CON-  
SUMPTION OF WATER

WHEREAS, by two previous Resolutions (No. 4792 and No. 4845), the Board of Directors determined that a threatened water shortage condition exists within the Marin Municipal Water District in that the existing capacity of the system is not sufficient to adequately meet the existing annual consumption; and

WHEREAS, since there has been no significant change in the capacity of the system or in the established annual consumption since the inception of Resolution No. 4845, viz., February 14, 1973, the Board hereby confirms the findings contained in said resolution and, specifically, finding of threatened water shortage; and

WHEREAS, it is necessary to prohibit an increase in the water demand on the District's available water supplies and therefore to adopt an interim ordinance prohibiting all new water service connections which are hereby determined to be non-essential; and

WHEREAS, District will consider at the earliest possible date after receiving the final report of its consultant alternative possibilities for augmenting the water supply and will present one, or more, of said alternatives to the voters of District not later than November, 1973; and

WHEREAS, the District has held a public hearing on the aforesaid declaration.

NOW, THEREFORE, the Board of Directors of Marin Municipal Water District does ordain as follows:

Section 1. It is hereby found and declared that a threatened water shortage condition exists within the District, as set forth aforesaid;

Section 2. Two public hearings have been noticed and held on June 14, 1972, and February 14, 1973, and opportunity to protest the aforesaid declaration has been given.

Section 3. The Board hereby finds that the following regulations, prohibitions and restrictions will conserve the water supply for the greatest public benefit.

Section 4. Section 11.04.030 of the Marin Municipal Water District Code is hereby amended by adding the following at the end of the existing section:

Notwithstanding the provisions of this section, and the other provisions contained in this Title, and because of the existing lack of capacity in the water supply, effective immediately no new service will be granted or installed except as follows:

1. "Turn on" of an existing "Off" service connection (under section 11.08.010 and 11.08.020).
2. Where an application for a new service installation has heretofore been granted under section 11.08.060, or where a main extension agreement has heretofore been executed by District, and where said applications or agreements have not expired by their terms.
3. Service to a public building or public facility (concerned with protection of public health or safety, such as a police or fire department building.)
4. The variance procedure of section 11.12.130 shall be applicable to the foregoing restrictions on service.

Section 5. The General Manager, attorney and staff are hereby directed to take immediate action to cancel and terminate any and all "surplus" water contracts, now held by District, as soon as possible within their terms, limited only by considerations of public health and safety.

Section 6. The severability provisions of section 1.01.110 of this Code are applicable to this Ordinance and each part thereof.

Section 7. This is an urgency ordinance and shall be effective immediately upon adoption. The facts constituting the urgency are as follows: The existing water supply of District is not sufficient to meet the needs of District's consumers, as set forth above. This Ordinance shall remain in effect until repealed or amended by this Board.

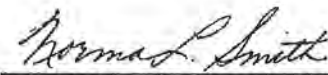
PASSED and ADOPTED this 30th day of April, 1973, by the following vote of the Board:

AYES: Directors Felson, Griffin, MacPhail, Stafford, Martinelli

NOES: None

ABSENT: None

  
President, Board of Directors

ATTEST:   
Secretary, Board of Directors

MARIN MUNICIPAL WATER DISTRICT

Resolution No. 4861

RESOLUTION AMENDING EARLIER  
RESOLUTION NO. 4845 RELATING  
TO DECLARATION OF WATER SHORTAGE CONDITION

WHEREAS, the Board of Directors of the District adopted Resolution 4845 declaring that a threatened water shortage condition exists within the District.

WHEREAS, paragraph No. 1 of said Resolution provides as follows:

"The Board hereby finds, declares and determines that a threatened water shortage condition exists with the District, but that such condition is not an emergency since the District presently has an adequate water supply to prevent rationing for the next year."

WHEREAS, it is necessary to amend said paragraph to clarify the intention of the Board of Directors and the nature of the findings contained therein.

NOW THEREFORE, the Board of Directors of the Marin Municipal Water District does resolve as follows:

That paragraph No. 1 of Resolution 4845 of the District is hereby amended to read as follows:

1. The Board hereby finds, declares and determines that a water shortage emergency condition prevails within the area served by this District in that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the District to the extent there would be insufficient water for human consumption, sanitation and fire protection. Said water shortage emergency condition does not constitute an immediate emergency, but is due to a threatened water shortage.


PASSED and ADOPTED on this 23rd day of May, 1973, by the following vote of the Board:

AYES: Directors Felson, Griffin, MacPhail, Stafford, Martinelli

NOES: None

ABSENT: None

  
President, Board of Directors

ATTEST:   
Secretary, Board of Directors

ORDINANCE NO. 121

MARIN MUNICIPAL WATER DISTRICT

PROHIBITIONS AND RESTRICTIONS ON

NEW WATER SERVICE CONNECTIONS

BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER DISTRICT AS FOLLOWS:

SECTION 1. The Board of Directors of the Marin Municipal Water District hereby finds and determines that:

A. A water shortage emergency condition prevails within the area served by this District due to a threatened water shortage;

B. The ordinary demands and requirements of water consumers of this District cannot be satisfied without depleting the water supply of this District to the extent that there would be insufficient water for human consumption, sanitation and fire protection;

C. It is necessary to prohibit new water service connections and other additions to the distribution system of the District in order to conserve the water supply for the greatest public benefit with particular regard to domestic use, sanitation and fire protection, and the prohibitions and restrictions contained herein will fulfill that purpose.

D. The water uses prohibited and restricted by this Ordinance are hereby determined to be nonessential.

SECTION 2. Chapter 13.01 is hereby added to the Marin Municipal Water District Code to read as follows:

"Chapter 13.01

"Prohibitions and Restrictions on New Water Service  
Facilities and Connections

"13.01.010 PROHIBITION ON NEW SERVICE FACILITIES AND CONNECTIONS

A. General Prohibition on New Water Service Facilities

No new, additional, further, expanded or increased-in-size water service connections, meters, service lines, pipeline extensions, mains or other water service facilities of any kind, shall be made, allowed, approved, installed or accepted by the Marin Municipal Water District after April 30, 1973, except as expressly provided herein. Hereafter, the phrase, "new water service facilities" shall be deemed to refer to and include any and all of the above described facilities. No restriction is imposed hereby on the installation of a bullhead meter on a line installed on or before April 30, 1973, or of any meter, all fees for which had been paid on or before April 30, 1973.

B. Purpose and Intent

It is the purpose and intent of this Ordinance to prohibit an increase in the water demand on the District's available water supplies by limiting additions to the District's distribution system, except to the extent expressly authorized by the terms of this Ordinance, and this Ordinance shall be liberally construed to effectuate such purpose and intent.

"13.01.020 EXCEPTION FOR PIPELINE EXTENSION APPROVED PRIOR TO  
APRIL 30, 1973

Any Applicant who obtained approval of the Board of Directors of a proposed Pipeline Extension Agreement on or before April 30, 1973, shall be entitled to proceed with the construction and installation of said pipeline extension and other new water service facilities reasonably and necessarily appurtenant thereto, and to have water service supplied therethrough, provided that all of the following conditions are fulfilled:

(1) The Applicant makes all deposits and does all other things required by such Pipeline Extension Agreement, and complies with all other conditions reasonably imposed by the District, within 90 days from the date of said Board approval, or such additional time as may be allowed by the Board in its discretion;

(2) The Applicant actually and significantly commences the construction or installation of said pipeline extension in accordance with the terms of his Pipeline Extension Agreement within 120 days from April 30, 1973, or actually and significantly commences construction of the structure or structures intended to be served by said pipeline extension within 120 days from April 30, 1973.

(3) The Applicant obtains the issuance of a certificate of occupancy for each structure to be served by said pipeline extension and related new water service facilities within eighteen months from April 30, 1973, provided that in the event that on that date certificates of occupancy have been issued for some, but not all, of the structures shown on the plans on file with the District, water service shall be allowed for those structures which have certificates of occupancy, but not to the remainder of said structures. In furtherance of this provision, the Board of Directors may in its discretion authorize changes in the design and construction of said water service facilities necessary to effectuate water service provided the number of water service connections is not increased.

"13.01.030 EXCEPTION FOR CERTAIN NEW SERVICE INSTALLATIONS  
COMMENCED AFTER APRIL 30, 1973

A. Any applicant for a new service installation not requiring a pipeline extension, or for a variance under Section 11.12.130 of this Code from the District's regulations as a necessary condition precedent to such application, shall be entitled to proceed with the construction and installation of said new service installation and other new water service facilities reasonably and necessarily appurtenant thereto, and to have water service supplied therethrough, provided that all of the following conditions are fulfilled:

(1) That the Applicant files an application for such new service installation and/or a variance under Section 11.12.130 of this Code for such new service not later than 120 days after April 30, 1973, and agrees to and does comply with all District regulations and all conditions reasonably imposed by the District as a condition of granting such new service installation and/or variance under Section 11.12.130 of this Code for such new service; and

(2) The Applicant obtains a certificate of occupancy for the structure to be served by such water service installation within eighteen months of April 30, 1973.

(3) For new service installations authorized under this section, meters and other new facilities will not be physically installed until the Applicant presents evidence satisfactory to the District Manager that a building permit has been issued and construction is ready to begin.

"13.01.040 FIRE HYDRANTS, MAINS AND LINES

Notwithstanding any other provisions of this Ordinance, no restriction or prohibition is imposed upon applications, approvals or installations solely for fire hydrants, fire mains or sprinkler lines for fire protection reasons, which do not require any other new water service facilities prohibited hereby.



"13.01.050 TEMPORARY WATER SERVICE

A. Construction Works

Notwithstanding any other provisions of this Ordinance, no restriction or prohibition is imposed upon applications, approvals, or installations of water service facilities solely for temporary service to those construction works which are entitled to permanent water service facilities under the terms of this Ordinance.

B. Other Temporary Services

Notwithstanding any other provision of this Ordinance, no temporary water service facilities shall be approved or installed for circuses, bazaars, fairs, temporary restaurants, or other temporary uses, except upon written application to the Board of Directors which may, in its discretion, allow such use if it finds that the quantity of water to be consumed by such temporary use will not significantly adversely affect water supply or service to other existing water consumers.

"13.01.060 REPLACEMENT AND REPAIR OF EXISTING FACILITIES

Notwithstanding any other provisions of this Ordinance, no restriction or prohibition is imposed upon the repair of existing water service facilities or the replacement of existing water service facilities with new water service facilities which do not substantially increase the consumption of water.

"13.01.070 CONTINUED PROCESSING OF APPLICATIONS

A. Notwithstanding any other provisions in this Ordinance, District staff may continue to process applications, provide engineering design, collect fees for services performed, and render advice and assistance to applicants; provided that staff shall not approve any such applications or plans, shall not fix or accept any bonds, guarantees or deposits for materials or labor for installation, and shall not prepare any Pipeline Extension Agreements. Any Applicant who has paid the District a fee for engineering services may upon written request to the District have refunded any portion of said fee for which said engineering services have not yet been performed.

B. In filing his application and paying fees pursuant to this Section, the Applicant will be required to acknowledge in writing that the acts of staff described herein do not constitute an acceptance or approval of such water service facilities and that the Applicant acts at his own cost, expense and risk of loss, and agrees to and does waive and release any claim or demand against the District, its officers, directors, employees, and agents for any such cost, expense, loss or damage resulting from said facilities, and does waive and release any claim of right to have said facilities finally accepted, approved, connected or supplied water therethrough by reason of such processing activities.

C. When and if the Board of Directors declares that the water shortage emergency condition has ceased, the Board of Directors will establish procedures for the processing of applications filed during the term of this Ordinance and any applications filed thereafter which, in its discretion, is fair, equitable and compatible with the requirements of this District; provided that no priority or preference is necessarily conferred on the basis of the date of filing such application.

"13.01.080 REQUIREMENT FOR INFORMATION

Applicants for new water service facilities shall be responsible for providing all information and proof requested by the Board of Directors or District staff for use in processing, verifying or enforcing any matter provided for herein, and the Applicants shall do so at their sole cost and expense. Any failure to provide requested information or proof shall be grounds for denial of any application or relief.

"13.01.090 FUTURE RESTRICTIONS

All Applicants for water service facilities are hereby put on notice that further restrictions or prohibitions on water use and service may hereafter become necessary, and nothing herein, no application, permit or approval of water service or water service facilities granted pursuant to these rules shall vest in the Applicant any right to a particular use or quantity of water, but such Applicant shall be subject to all further prohibitions, restrictions, rules and regulations in the same manner and extent as any other consumer or class of consumers similarly situated existing at the time such prohibitions or restrictions are imposed.

"13.01.100 APPEALS

Any Applicant for water service facilities may appeal any decision or application of the provisions of this Ordinance by District staff, to the Board of Directors by filing a written appeal with the District Secretary within 10 days from the date of the decision or application appealed from. The Board of Directors may, in its discretion, thereafter affirm, reverse or modify the staff's decision, and impose any conditions it deems just and proper.

"13.01.110 VARIANCES

The Board of Directors may in its discretion grant permits for water service facilities otherwise prohibited hereby, upon such reasonable conditions as it may in its discretion impose, if it determines that any of the following conditions exist:

- (1) The restrictions herein would cause an unnecessary and undue hardship upon the Applicant or the public. Examples of circumstances which may constitute unnecessary and undue hardships include, but are not limited to: (i) the destruction of a water-using structure or facility due to fire, flood or other disaster or act of God; (ii) the imposition by another governmental entity of a requirement for new or increased water-using facilities with respect to existing improvements; (iii) prior loss, destruction or removal of water meter without the knowledge or fault of the applicant; (iv) to correct or substitute for an illegal or unsafe or unsound water service facility not caused by the fault of Applicant. Financial hardships alone shall not constitute grounds for a variance.
- (2) The restrictions herein would create an emergency condition affecting the health, sanitation, fire protection or safety of the Applicant or the public.
- (3) The granting of the variance would not increase the quantity of water consumed or otherwise adversely affect service to other existing water consumers; or
- (4) The Applicant is prevented from complying with the time limits of Section 13.01.020(2), Section 13.01.020(3), or Section 13.01.030(2) of this Code by fire, flood, explosion, earthquake, landslide, or other natural disaster, building bans or moratoriums imposed by governmental agencies other than the Marin Municipal Water District, strikes, or other unforeseen matters of similar nature beyond the reasonable control of the Applicant.
- (5) That due to peculiar facts and circumstances of the case none of the provisions of this Ordinance authorizing new water service facilities are strictly applicable to the situation under consideration, if the Board of Directors, in its discretion, determines that the Applicant is entitled to substantially similar treatment to that set forth in some other provision of this Ordinance.

"13.01.120 NOTICE AND HEARING

Appeals and variances may be granted only upon application in writing therefor, after public hearing, notice of which is published once at least five (5) days prior to such hearing, in a newspaper of general circulation within the District, except that the Board of Directors may, in its discretion, dispense with the writing, public hearing, and publication requirements if it finds that an emergency condition requiring immediate action exists. The Applicant shall be required to pay all costs of publication. Upon granting any such variance or appeal, the Board of Directors may impose any conditions it determines to be just and proper. Variances granted by the Board of Directors shall be prepared in writing, the original to be kept on file with the District and a copy to be furnished to the Applicant. The Board of Directors may require it to be recorded at Applicant's expense.

"13.01.130 DEFINITIONS

The terms Applicant and Consumer used herein shall apply to every person, firm, partnership, association, corporation, city, county, state or local agency, political subdivision, district, or entity of every kind, except the Marin Municipal Water District.

"13.01.140 ORDINANCE CONTROLLING

The provisions of this Ordinance shall prevail and control in the event of any inconsistency between this Ordinance and any other rule, regulation, ordinance, or code of this District."

SECTION 3. Section 3 and 4 of Marin Municipal Water District Ordinance 120, adopted April 30, 1973, are hereby rescinded.

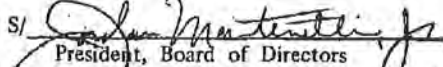
SECTION 4. The severability provisions of Section 1.01.110 of the Marin Municipal Water District Code are applicable to this Ordinance.

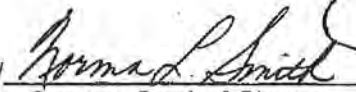
Passed and adopted this 7th day of June, 1973, by the following vote of the Board:

AYES: Directors Felson, Griffin, Stafford

NOES: Directors Martinelli, MacPhail

ABSENT: None

S/   
President, Board of Directors

ATTEST: S/   
Secretary, Board of Directors



REPEAL OF WATER MORATORIUM AND  
WATER SHORTAGE EMERGENCY CONDITION

WHEREAS, the Board of Directors of the Marin Municipal Water District did, by Resolution No. 4845, adopted unanimously on February 14, 1973, declare, pursuant to Water Code S350 et seq. that a water shortage emergency condition existed within the District; and

WHEREAS, said Resolution No. 4845, as amended by Resolution No. 4861, unanimously adopted on May 23, 1973, remains in full force and effect; and

WHEREAS, because of said water shortage emergency condition, the Board of Directors of the Marin Municipal Water District did unanimously enact a water moratorium by passage of Ordinance No. 120 on April 30, 1973; and

WHEREAS, said moratorium was thereafter codified as Chapter 13.01 of the Marin Municipal Water District Code and remains in full force and effect as amended from time to time; and

WHEREAS, the District's Soulajule Dam project is nearing completion and voters have approved issuance of revenue bonds for the raising of Kent Lake; and

WHEREAS, the Board of Directors duly adopted a negative declaration of the environmental impact of lifting the moratorium on June 12, 1978,

NOW, THEREFORE, the Board of Directors of the Marin Municipal Water District does ordain as follows:

Section 1. It is hereby found and declared that a water shortage emergency condition no longer prevails within the Marin Municipal Water District and that the ordinary demands and requirements of water consumers within the District can be satisfied without depleting the water supply of the District to the extent that there would be insufficient water for human consumption, sanitation, and fire protection.)

Section 2. Resolution Nos. 4845 and 4861 are repealed.

Section 3. Chapter 13.01 of the Marin Municipal Water District Code is repealed.

Section 4. The severability provisions of Section 1.01.110 of the Marin Municipal Water District Code are applicable to this ordinance.

PASSED AND ADOPTED this 15th day of November 1978, by the following vote of the Board.

AYES: Directors Bishop, Chamberlain, Fox, Lloyd, Smith

NAYS: None

ABSENT: None

Reilly O. Smith  
President, Board of Directors

ATTEST:

Bonnie L. Smith  
Secretary, Board of Directors

**Drought and Temporary Connection Prohibition Actions  
1989 – 1993**

<b>Date</b>	<b>Action Taken</b>
February 27, 1989	Adopted Ordinance 287 and Resolution 6028 enacting prohibitions and restrictions on new water service connections.
March 8, 1989	Adopted Ordinance 288 revising prohibitions and restrictions on new water service connections.
July 12, 1989	Adopted Ordinance 296 revising Section 13.01.020 – Exception for Certain Pipeline Extensions of the MMWD Code
December 13, 1989	Adopted Ordinance 302 which repealed Ordinances 287, 288 and 296 and established further prohibitions on new water facilities
March 24, 1993	Adopted Ordinance 346 lifting prohibitions and restrictions on new water facilities and connections

**MARIN MUNICIPAL WATER DISTRICT**

**ORDINANCE NO. 287**

**PROHIBITIONS AND RESTRICTIONS ON**

**NEW WATER SERVICE CONNECTIONS**

**An ordinance adding Chapter 13.01 to the Marin Municipal Water District Code**

**BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER DISTRICT AS FOLLOWS:**

**SECTION 1.** The provisions of this ordinance are exempt from the requirements of the California Environmental Quality Act because of the necessity to mitigate, as a temporary measure, an emergency pursuant to section 15269(c) of the State EIR Guidelines as determined by the Board of Directors through adoption of Resolution No. 6028.

**SECTION 2.** Chapter 13.01 is hereby added to the Marin Municipal Water District Code to read as follows:

**Chapter 13.01**

**Prohibitions and Restrictions on New Water Service  
Facilities and Connections**

**13.01.010 PROHIBITION ON NEW SERVICE FACILITIES AND CONNECTIONS**

**A. General Prohibition on New Water Service Facilities**

No new, additional, further, expanded or increased-in-size water service connections, meters, service lines, pipeline extensions, mains or other water service facilities of any kind, shall be made, allowed, approved, installed or accepted by the Marin Municipal Water District after February 28, 1989, except as expressly provided herein. Hereafter, the phrase "new water service facilities" shall be deemed to refer to and include any and all of the above-described facilities. No restriction is imposed hereby on the installation of a bullhead or service lateral; however, no service shall be granted, nor is a commitment or priority to serve implied, through the granting of such installation.

**B. Purpose and Intent**

It is the purpose and intent of this Chapter to reduce the increase in the water demand on the District's available water supplies by limiting additions to the District's distribution system, except to the extent expressly authorized by the terms of this Chapter; and this Chapter shall be liberally construed to effectuate such purpose and intent. To effectuate the orderly implementation of the following prohibitions and restrictions on water service connections, a cap shall be

placed on the total amount of water for which application may be made under Sections 13.01.020 and 13.01.030. Applications will be accepted until 34,900 acre-feet has been allocated.

#### 13.01.020 EXCEPTION FOR CERTAIN PIPELINE EXTENSIONS

Any Applicant for a Pipeline Extension Agreement who: (1) has obtained approval of the Board of Directors of a Pipeline Extension Agreement; or, (2) has on file with the District a Pipeline Extension Agreement application with a copy of the approved tentative map or master plan or proof of final discretionary approval by the lead agency, as determined to be applicable by the District, on or before January 9, 1989, which is subsequently approved by the Board of Directors; or, (3) completes an application for a Pipeline Extension Agreement in accordance with the District's applicable pipeline extension procedures, with a copy of the approved tentative map or master plan or proof of final discretionary approval by the lead agency, as determined to be applicable by the District, until 34,900 acre-feet has been allocated as referred to in Section 13.01.010 B; shall be entitled to proceed with construction and installation of said pipeline extension and other new water service facilities reasonably and necessarily appurtenant thereto, and to have water service supplied therethrough, only to the extent provided for in the Pipeline Extension Agreement based on the payment of water supply and system capacity charges, if the following conditions are fulfilled:

(1) The Applicant makes all deposits and does all other things required by such Pipeline Extension Agreement, and complies with all other conditions reasonably imposed by the District, within the time stipulations of the agreement, or such additional time as may be allowed by the Board in its discretion; and

(2) The Applicant commences the construction or installation of said pipeline extension in accordance with the time stipulations of the Pipeline Extension Agreement.

#### 13.01.030 CONTINUED PROCESSING OF CERTAIN NEW SERVICE APPLICATIONS

A. The District will continue to accept applications for new water service facilities not requiring a main extension, on a first-come, first-served basis in accordance with District's applicable water service procedures until 34,900 acre-feet has been allocated.

B. Any Applicant who received approval of a variance request, and has complied with all terms of said variance, shall be entitled to proceed with the installation of service connections as approved when a building permit for the approved use has been provided the District prior to the expiration of the variance.

#### 13.01.035 ACTIVATION OF SERVICES

For any service to be activated, the Applicant must provide the District with a building permit which indicates the proposed use of the service, and such use must be consistent with the use stated on the service application or as set forth in the Pipeline Extension Agreement, or, if not consistent, use must result in no increase in the District's historic commitment to the service.

Notwithstanding any other provisions of this Chapter, after May 31, 1989, no service installed prior to June 1, 1986, and which has been inactive since June 1, 1986, will be activated for any purpose.

#### 13.01.040 FIRE HYDRANTS, MAINS AND LINES

Notwithstanding any other provisions of this Chapter, no restriction or prohibition is imposed upon applications, approvals or installations solely for fire hydrants, fire mains or sprinkler lines for fire protection reasons, which do not require any other new water service facilities prohibited by this Chapter.

#### 13.01.050 TEMPORARY WATER SERVICE

##### A. Construction Works

Notwithstanding any other provisions of this Chapter, no restriction or prohibition is imposed upon applications, approvals, or installations of water service facilities solely for temporary service to those construction works which are entitled to permanent water service facilities under the terms of this Chapter.

##### B. Other Temporary Services

Notwithstanding any other provision of this Chapter, no temporary water service facilities shall be approved or installed for fairs, bazaars, temporary restaurants, or other temporary uses, except upon written application to the Board of Directors which may, in its discretion, allow such use if it finds that the quantity of water to be consumed by such temporary use will not significantly adversely affect water supply or service to other existing water consumers.

#### 13.01.060 REPLACEMENT AND REPAIR OF EXISTING FACILITIES

Notwithstanding any other provisions of this Chapter, no restriction or prohibition is imposed upon the repair of existing water service facilities, or the replacement of existing water service facilities with new water service facilities which do not increase the consumption of water.



### 13.01.070 CONTINUED PROCESSING OF APPLICATIONS

A. Notwithstanding any other provisions in this Chapter, District staff may continue to process applications, provide engineering design, collect fees for services performed, and render advice and assistance to Applicants, provided that staff shall not approve any such applications or plans, shall not fix or accept any bonds, guarantees or deposits for materials or labor for installation, and shall not prepare any Pipeline Extension Agreements. Any Applicant who has paid the District a fee for engineering service may upon written request to the District have refunded any portion of said fee for which said engineering services have not yet been performed.

B. In filing an application and paying fees pursuant to this Section, the Applicant will be required to acknowledge in writing that the acts of staff described herein do not constitute an acceptance or approval of such water service facilities; and that the Applicant acts at his own cost, expense and risk of loss, and agrees to and does waive and release any claim or demand against the District, its officers, directors, employees, and agents for any such cost, expense, loss or damage resulting from said facilities, and does waive and release any claim of right to have said facilities finally accepted, approved, connected or supplied water therethrough by reason of such processing activities.

C. When the Board of Directors declares that the condition requiring the adoption of this chapter has ceased, the Board of Directors will establish procedures for the processing of applications filed during the term of this Chapter and any applications filed thereafter which, in its discretion, are fair, equitable and compatible with the requirements of this District, provided that no priority or preference is necessarily conferred on the basis of the date of filing such application.

### 13.01.080 REQUIREMENT FOR INFORMATION

Applicants for new water service facilities shall be responsible for providing all information and proof requested by the Board of Directors or District staff for use in processing, verifying or enforcing any matter provided for herein, and the Applicants shall do so at their sole cost and expense. Any failure to provide requested information or proof shall be grounds for denial of any application or relief.

### 13.010.090 FUTURE RESTRICTIONS

All Applicants for water service facilities are hereby put on notice that further restrictions or prohibitions on water use and service may hereafter become necessary; and nothing herein, no application, permit or approval of water service or water service facilities granted pursuant to these rules shall vest in the Applicant any right to a particular use or quantity of water; but such Applicant shall be

subject to all further prohibitions, restrictions, rules and regulations in the same manner and extent as any other consumer or class of consumers similarly situated existing at the time such prohibitions or restrictions are imposed.

#### 13.01.100 APPEALS

Any Applicant for water service facilities may appeal any decision or application of the provisions of this Chapter by District staff to the District's Hearing Officer. Appeal of the District Hearing Officer's decision may be made to the Board of Directors. Appeals must be filed in writing with the District Secretary within 10 days from the date of any decision or application appealed from. The Board of Directors may, in its discretion, thereafter affirm, reverse or modify the Hearing Officer's decision, and impose any conditions it deems just and proper.

#### 13.01.110 VARIANCES

The Board of Directors may, in its discretion, grant permits for water service facilities otherwise prohibited hereby, upon such reasonable conditions as it may in its discretion impose, if it determines that any of the following conditions exist:

(1) The restrictions herein would cause an unnecessary and undue hardship upon the Applicant or the public. Examples of circumstances which may constitute unnecessary and undue hardships include, but are not limited to: (i) the destruction of a water-using structure or facility due to fire, flood or other disaster or act of God; (ii) the imposition by another governmental entity of a requirement for new or increased water-using facilities with respect to existing improvements; (iii) prior loss, destruction or removal of water meter without the knowledge or fault of the Applicant; (iv) to correct or substitute for an illegal or unsafe or unsound water service facility not caused by the fault of Applicant. Financial hardships alone shall not constitute grounds for a variance;

(2) The restrictions herein would create an emergency condition affecting the health, sanitation, fire protection or safety of the Applicant or the public;

(3) The granting of the variance would not increase the quantity of water consumed or otherwise adversely affect service to other existing water consumers;

(4) That due to peculiar facts and circumstances of a particular case, the Board of Directors, in its discretion, may determine that the Applicant is entitled to substantially similar treatment to that set forth in some other provision of this Chapter.

#### 13.01.120 NOTICE AND HEARING

Appeals and variances may be granted only upon application in writing therefor, after public hearing, notice of which is published once at least five (5) days prior to such hearing, in a newspaper of general circulation within the District, except that the Board of Directors may, in its discretion, dispense with the writing, public hearing, and publication requirements if it finds that an emergency condition requiring immediate action exists. The Applicant shall be required to pay all costs of publication. Upon granting any such variance or appeal, the Board of Directors may impose any conditions it determines to be just and proper. Variances granted by the Board of Directors shall be prepared in writing, the original to be kept on file with the District and a copy to be furnished to the Applicant. The Board of Directors may require it to be recorded at Applicant's expense.

#### 13.01.130 DEFINITIONS

The terms Applicant and Consumer used herein shall apply to every person, firm, partnership, association, corporation, city, county, state or local agency, political subdivision, District, or entity of every kind, except the Marin Municipal Water District.

#### 13.01.140 CHAPTER CONTROLLING

The provisions of this Chapter shall prevail and control in the event of any inconsistency between this Chapter and any other rule, regulation, ordinance, or code of this District.

**SECTION 3.** The severability provisions of Section 1.01.110 of the Marin Municipal Water District Code are applicable to this Ordinance.

**SECTION 4.** This is an urgency ordinance and shall be effective immediately upon adoption in accordance with California Water Code Section 71641.


Passed and adopted this 27th day of February 1989, by the following vote of the Board:

AYES: Directors Barnard, Morrison, Robinson, Wray and Yates

NOES: None

ABSENT: None

  
\_\_\_\_\_  
President, Board of Directors

ATTEST:   
\_\_\_\_\_  
Secretary, Board of Directors



**MARIN MUNICIPAL WATER DISTRICT**

**RESOLUTION NO. 6028**

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL  
WATER DISTRICT MAKING FURTHER DETERMINATIONS WITH RESPECT TO  
WATER SHORTAGE CONDITION**

**WHEREAS**, the Board of Directors of the Marin Municipal Water District acknowledges that water is a limited resource and therefore desires to improve the effectiveness of water use within the District's service area and encourage citizens to use water wisely; and

**WHEREAS**, using historic hydrology and demand information, the District developed and adopted its Urban Water Management Plan in December of 1985 under which reductions of demands are required during periods following low watershed runoff; and

**WHEREAS**, the Board of Directors declared a water shortage emergency and enacted a mandatory water use reduction program on July 27, 1988; and

**WHEREAS**, the Board of Directors has held a public hearing regarding the water shortage condition in the District;

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors finds and determines that: (1) the District has experienced three successive dry winters; (2) as of February 15, 1989, reservoir storage is less than 57% of normal; (3) calendar year 1987 consumption of 32,800 acre-feet was in excess of our net safe yield (30,000 acre-feet), and approaching our operational yield (35,000 acre-feet); (4) as of February 15, 1989, the district's commitment for water service was in excess of 34,100 acre-feet; (5) voluntary restrictions in use implemented in July 1988 have not achieved the required reductions in water use; (6) unrestricted water use for non-essential needs may endanger the adequacy of the District's supply of water for essential needs; and

**BE IT FURTHER RESOLVED** that the rate reductions and restrictions contained in proposed Ordinances No. 286 and No. 287, attached hereto as Exhibit A, may be enacted pursuant to the District's power under California Water Code sections 350, et seq., and 71640, et seq. and the common law and are designed to discourage waste; encourage conservation; minimize peak load demands on District facilities; conserve the water supply of the District for the greatest public benefit, with particular regard to domestic use, sanitation and fire protection; and to avoid the necessity of more serious water use reduction measures; and

BE IT FURTHER RESOLVED that the Board of Directors finds and determines that the adoption of Ordinance Nos. 286 and 287 is exempt from the requirements of the California Environmental Quality Act because they are necessary to mitigate the water shortage emergency condition which has worsened since this Board declared its existence on July 27, 1988. Marin Municipal Water District defines that the rates and charges contained in proposed Ordinance No. 286 are for the purpose of (1) meeting normal and extraordinary (drought related) operating expenses, including employee wage rates and fringe benefits; (2) purchasing or leasing supplies, equipment and material; (3) meeting financial reserve needs and requirements; (4) meeting debt service requirements; and (5) obtaining funds for capital projects necessary to maintain service within existing service areas; and that Ordinance No. 286 is therefore exempt from the requirements of California Environmental Quality Act by virtue of the provision of Public Resources Code section 21080(b)(a).

PASSED AND ADOPTED this 27th day of February, 1989, by the following vote of the Board:

AYES: Directors Barnard, Morrison, Robinson, Wray and Yates

NOES: None

ABSENT: None

  
\_\_\_\_\_  
President, Board of Directors

ATTEST:

  
\_\_\_\_\_  
Secretary, Board of Directors

**Resolution No. 6028**

**EXHIBIT A**

**comprised of the  
following Ordinances:**

**286 - Dry Year Water Use Reduction Program**

**287 - Prohibitions and Restrictions on New Water Service Connections**

**MARIN MUNICIPAL WATER DISTRICT**

**ORDINANCE NO. 288**

**AN ORDINANCE REVISING PROHIBITIONS AND RESTRICTIONS ON NEW WATER SERVICE CONNECTIONS**

**BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER DISTRICT AS FOLLOWS:**

**SECTION 1.** Section 13.01.020 of the Marin Municipal Water District Code is amended to read as follows:

**13.01.020 EXCEPTION FOR CERTAIN PIPELINE EXTENSIONS**

Any Applicant for a Pipeline Extension Agreement who: (1) has obtained approval of the Board of Directors of a Pipeline Extension Agreement; or (2) completes and files with the District an application for a Pipeline Extension Agreement in accordance with the District's applicable pipeline extension procedures, with a copy of the approved tentative map or master plan or proof of final discretionary approval by the lead agency, as determined to be applicable by the District until 34,900 acre-feet has been allocated as referred to in Section 13.01.010 B, reserving 100 acre-feet for public service; shall be entitled to proceed with construction and installation of said pipeline extension and other new water service facilities reasonably and necessarily appurtenant thereto, and to have water service supplied therethrough, only to the extent provided for in the Pipeline Extension Agreement based on the payment of water supply and system capacity charges, if the following conditions are fulfilled:

(1) The Applicant makes all deposits and does all other things required by such Pipeline Extension Agreement, and complies with all other conditions reasonably imposed by the District, within the time stipulations of the agreement, or such additional time as may be allowed by the Board in its discretion; and

(2) The Applicant commences the construction or installation of said pipeline extension in accordance with the time stipulations of the Pipeline Extension Agreement.

**SECTION 2.** Section 13.01.035 of the Marin Municipal Water District Code is amended to read as follows:

**13.01.035 ACTIVATION OF SERVICES**

For any service to be activated, the Applicant must provide the District with a building permit which indicates the proposed use of the service, and such use must be consistent with the use stated on the service application or as set forth in the Pipeline Extension Agreement, or, if not consistent, use must result in no increase in the District's historic commitment to the service.

**SECTION 3.** The severability provisions of Section 1.01 110 of the Marin Municipal Water District Code are applicable to this Ordinance.

**SECTION 4.** This is an urgency ordinance and shall be effective immediately upon adoption in accordance with California Water Code Section 71641, and is exempt from the California Environmental Quality Act because it is necessary to mitigate a water shortage emergency condition.

**PASSED AND ADOPTED** this 8th day of March, 1989, by the following vote of the Board:

**AYES:** Directors Barnard, Robinson, Wray and Yates

**NOES:** None

**ABSENT:** Director Morrison

  
\_\_\_\_\_  
President, Board of Directors

**ATTEST:**

  
\_\_\_\_\_  
Secretary, Board of Directors

**MARIN MUNICIPAL WATER DISTRICT**

**ORDINANCE NO. 296**

**AN ORDINANCE REVISING SECTION 13.01.020 OF THE  
MARIN MUNICIPAL WATER DISTRICT**

**BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL  
WATER DISTRICT AS FOLLOWS:**

**SECTION 1.** Section 13.01.020 of the Marin Municipal Water District  
Code is amended to read as follows:

**13.01.020 EXCEPTION FOR CERTAIN PIPELINE EXTENSIONS**

Any Applicant for a Pipeline Extension Agreement who: (1) has obtained approval of the Board of Directors of a Pipeline Extension Agreement; or (2) completes and files with the District an application for a Pipeline Extension Agreement in accordance with the District's applicable pipeline extension procedures, with proof that the project has received final discretionary approval by the lead agency, until 34,900 acre-feet has been allocated as referred to in Section 13.01.010 B, reserving 100 acre-feet for public service; shall be entitled to proceed with construction and installation of said pipeline extension and other new water service facilities reasonably and necessarily appurtenant thereto, and to have water service supplied therethrough, only to the extent provided for in the Pipeline Extension Agreement based on the payment of water supply and system capacity charges, if the following conditions are fulfilled:

(1) The Applicant makes all deposits and does all other things required by such Pipeline Extension Agreement, and complies with all other conditions reasonably imposed by the District, within the time stipulations of the agreement, or such additional time as may be allowed by the Board in its discretion; and

(2) The Applicant commences the construction or installation of said pipeline extension in accordance with the time stipulations of the Pipeline Extension Agreement.

**SECTION 2.** The severability provisions of section 1.01.110 of the Marin Municipal Water District Code are applicable to this ordinance.

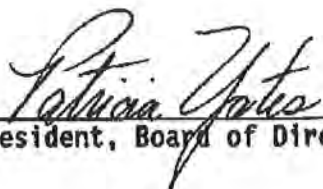
**SECTION 3.** This is an urgency ordinance and shall be effective immediately upon adoption in accordance with California Water Code section 71641, and is exempt from the California Environmental Quality Act because it is necessary to mitigate a water shortage emergency condition.

**PASSED AND ADOPTED** this 12th day of July, 1989, by the following vote of the Board:

**AYES:** Directors Morrison, Robinson and Yates

**NOES:** None

**ABSENT:** Directors Barnard and Wray

  
\_\_\_\_\_  
President, Board of Directors

**ATTEST:**

  
\_\_\_\_\_  
Secretary, Board of Directors



**MARIN MUNICIPAL WATER DISTRICT  
ORDINANCE NO. 302  
RELATING TO PROHIBITIONS AND RESTRICTIONS ON WATER SERVICE**

**BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER DISTRICT AS FOLLOWS:**

**SECTION 1.** MMWD Ordinance Nos. 287, 288 and 296 are hereby repealed.

**SECTION 2.** Chapter 13.01 of the District's Code is adopted to read as follows:

**CHAPTER 13.01 OF THE MARIN MUNICIPAL WATER DISTRICT CODE  
PROHIBITIONS AND RESTRICTIONS ON NEW WATER SERVICE  
FACILITIES AND CONNECTIONS**

**Sections:**

13.01.010	Prohibition on New Service Facilities and Connections
13.01.020	Exception for Certain Pipeline Extensions
13.01.030	Continued Processing of Certain New Service Applications
13.01.033	Public Interest Reserve
13.01.034	Allocation of Additional Water Supplies
13.01.035	Activation of Services
13.01.040	Fire Hydrants, Mains and Lines
13.01.050	Temporary Water Service
13.01.060	Replacement and Repair of Existing Facilities
13.01.070	Continued Processing of Applications
13.01.080	Requirement for Information
13.01.090	Future Restrictions
13.01.100	Appeals
13.01.110	Variances
13.01.120	Notice and Hearing
13.01.130	Definitions
13.01.140	Chapter Controlling

**13.01.010     PROHIBITION ON NEW SERVICE FACILITIES AND CONNECTIONS**

**A.     General Prohibition on New Water Service Facilities**

No new, additional, further, expanded or increased-in-size water service connections, meters, service lines, pipeline extensions, mains or other water service facilities of any kind, shall be made, allowed, approved, installed or accepted by the Marin Municipal Water District after December 13, 1989, except as expressly provided herein. Hereafter, the phrase "new water service facilities" shall be deemed to refer to and include any and all of the above-described facilities. No restriction is imposed hereby on



the installation of a bullhead or service lateral; however, no service shall be granted, nor is a commitment or priority to serve implied, through the granting of such installation.

#### B. Purpose and Intent

It is the purpose and intent of this Chapter to reduce the increase in the water demand on the District's available water supplies by limiting additions to the District's distribution system, except to the extent expressly authorized by the terms of this Chapter; and this Chapter shall be liberally construed to effectuate such purpose and intent. To effectuate the orderly implementation of the following prohibitions and restrictions on water service connections, a cap of 35,000 acre-feet shall be placed on the total amount of potable water for which application may be made under Sections 13.01.020 and 13.01.030. Applications will be accepted so long as no more than 35,000 acre-feet of potable is allocated.

#### 13.01.020 EXCEPTION FOR CERTAIN PIPELINE EXTENSIONS

Any Applicant for a Pipeline Extension Agreement who: (1) has obtained approval of the Board of Directors of a Pipeline Extension Agreement or, (2) completes and files with the District an application for a Pipeline Extension Agreement in accordance with the District's applicable pipeline extension procedures, with proof that the project has received final discretionary approval from the lead agency, shall be entitled to proceed with construction and installation of said pipeline extension and other new water service facilities reasonably and necessarily appurtenant thereto, and to have water service supplied therethrough, only to the extent provided for in the Pipeline Extension Agreement based on the payment of water supply and system capacity charges, if the following conditions are fulfilled:

(1) The Applicant makes all deposits and does all other things required by such Pipeline Extension Agreement, and complies with all other conditions reasonably imposed by the District, within the time stipulations of the agreement, or such additional time as may be allowed by the Board in its discretion; and

(2) The Applicant commences the construction or installation of said pipeline extension in accordance with the time stipulations of the Pipeline Extension Agreement; and

(3) The execution of the agreement does not cause the amount of potable water allocated to exceed 35,000 acre-feet.

#### 13.01.030 CONTINUED PROCESSING OF CERTAIN NEW SERVICE APPLICATIONS

The District will continue to accept applications for new water service facilities and for additional water pursuant to sections 11.08.030 and 11.08.040 of the District's Code on a first-come, first-served basis in accordance with District's applicable water service procedures so long as no more than 35,000 acre-feet is allocated.

**13.01.033     PUBLIC INTEREST RESERVE**

From time to time, the District's Board of Directors may allocate, not to exceed 100 acre-feet cumulatively including all allocations made from this allotment since August 1, 1989, from its 35,000 acre-feet of water to projects the construction of which is determined by the Board to be in the public's interest.

**13.01.034     ALLOCATION OF ADDITIONAL WATER SUPPLIES**

The District will continue to pursue sources of additional water supply. When supplies become available that are in addition to present supplies, such supplies shall be considered by the Board and be allocated in a manner as deemed appropriate by the Board so long as the Board finds that there is no increase in magnitude or frequency of risk of future use reductions to existing consumers.

**13.01.035     ACTIVATION OF SERVICES**

For any service to be activated for which an application or variance has previously been approved, the Applicant must provide the District with a building permit which indicates the proposed use of the service, and such use must be consistent with the use stated on the service application or in the variance approval, or as set forth in the Pipeline Extension Agreement, or if not consistent, the use must result in no increase in the District's historic commitment to the service and must not cause the amount of water allocated to exceed 35,000 acre-feet.

The following services must be activated by July 1, 1992, or lose their entitlement to water: 1) services obtained prior to August 12, 1977 which have never been activated, 2) variances granted before December 13, 1989 resulting in commitments to water which have never been activated, and 3) services which have not been active since July 1, 1986. Such services shall pay connection fees upon activation equal to the difference between the connection fees originally paid and the fees which would be due if service had been applied for at the time of activation. The term "activation" for purposes of this subsection shall mean connection of the water service to a structure permitted to be occupied under applicable local building codes or application of the water to the purpose for which the service was sought where service was for irrigation purposes.

**13.01.040     FIRE HYDRANTS, MAINS AND LINES**

Notwithstanding any other provisions of this Chapter, no restriction or prohibition is imposed upon applications, approvals or installations solely for fire hydrants, fire mains or sprinkler lines for fire protection reasons, which do not require any other new water service facilities prohibited by this Charter.

### 13.01.050 TEMPORARY WATER SERVICE

#### A. Construction Works

Notwithstanding any other provisions of this Chapter, no restriction or prohibition is imposed upon applications, approvals, or installations of water service facilities solely for the temporary service to those construction works which are entitled to permanent water service facilities under the terms of this Chapter.

#### B. Other Temporary Services

Notwithstanding any other provisions of this Chapter, no temporary water service facilities shall be approved or installed for fairs, bazaars, temporary restaurants, or other temporary uses, except upon written application to the Board of Directors which may, in its discretion, allow such use if it finds that the quantity of water to be consumed by such temporary use will not significantly adversely affect water supply or service to other existing water consumers.

### 13.01.060 REPLACEMENT AND REPAIR OF EXISTING FACILITIES

Notwithstanding any other provisions of this Chapter, no restriction or prohibition is imposed upon the repair of the existing water service facilities, or the replacement of existing water service facilities with new water service facilities which do not increase the consumption of water.

### 13.01.070 CONTINUED PROCESSING OF APPLICATIONS

A. Notwithstanding any other provisions in this Chapter, District staff may continue to process applications, provide engineering design, collect fees for services performed, and render advice and assistance to Applicants, provided that staff shall not approve any such applications or plans, shall not fix or accept any bonds, guarantees or deposits for materials or labor for installation, and shall not prepare any Pipeline Extension Agreements. Any Applicant who has paid the District a fee for engineering service may, upon written request to the District, have refunded any portion of said fee for which said engineering services have not yet been performed.

B. In filing any application and paying fees pursuant to this section, the Applicant will be required to acknowledge in writing that the acts of staff described herein do not constitute an acceptance or approval of such water service facilities; and that the Applicant acts at his own cost, expense and risk of loss, and agrees to and does waive and release any claim or demand against the District, its officers, directors, employees, and agents for any such cost, expense, loss or damage resulting from said facilities, and does waive and release any claim of right to have said facilities finally accepted, approved, connected or supplied water therethrough by reason of such processing activities.

C. When the Board of Directors declares that the condition requiring the adoption of this chapter has ceased, the Board of Directors will establish procedures for the processing of applications filed during the term of this Chapter and any applications filed thereafter which, in its discretion, are fair, equitable and compatible with the requirements of this District, provided that no priority or preference is necessarily conferred on the basis of the date of filing such application.

13.01.080 REQUIREMENT FOR INFORMATION

Applicants for new water service facilities shall be responsible for providing all information and proof requested by the Board of Directors or District staff for use in processing, verifying or enforcing any matter provided for herein, and the Applicants shall do so at their sole cost and expense. Any failure to provide requested information or proof shall be grounds for denial of any application or relief.

13.010.090 FUTURE RESTRICTIONS

All Applicants for water service facilities are hereby put on notice that further restrictions or prohibitions on water use and service may hereafter become necessary; and nothing herein, no application, permit or approval of water service or water service facilities granted pursuant to these rules shall vest in the Applicant any right to a particular use or quantity of water; but such Applicant shall be subject to all further prohibitions, restrictions, rules and regulations in the same manner and extent as any other consumer or class of consumers similarly situated existing at the time such prohibitions or restrictions are imposed.

13.01.100 APPEALS

Any Applicant for water service facilities may appeal any decision or application of the provisions of this Chapter by District staff to the District's Hearing Officer. Appeal of the District Hearing Officer's decision may be made to the Board of Directors. Appeals must be filed in writing with the District Secretary within 10 days from the date of any decision or application appealed from. The Board of Directors may, in its discretion, thereafter affirm, reverse or modify the Hearing Officer's decision, and impose any conditions it deems just and proper.

13.01.110 VARIANCES

The Board of Directors may, in its discretion, grant permits for water service facilities otherwise prohibited hereby, upon such reasonable conditions as it may in its discretion impose, if it determines that any of the following conditions exist:

(1) The restrictions herein would cause an unnecessary and undue hardship upon the Applicant or the public. Examples of circumstances which may constitute unnecessary and undue hardships include, but are not limited to: (i) the destruction of a water-using structure or facility due to fire, flood or other disaster or act of God; (ii) the imposition by another governmental entity of a requirement for new or increased water-using facilities with respect to existing improvements; (iii) prior loss,



destruction or removal of water meter without the knowledge or fault of the Applicant; (iv) to correct or substitute for an illegal or unsafe or unsound water service facility not caused by the fault of Applicant. Financial hardships alone shall not constitute grounds for a variance;

(2) The restrictions herein would create an emergency condition affecting the health, sanitation, fire protection or safety of the Applicant or the public;

(3) That due to peculiar facts and circumstances of a particular case, the Applicant is entitled to substantially similar treatment to that set forth in some other provision of this Chapter.

#### 13.01.120 NOTICE AND HEARING

Appeals and variances may be granted only upon application in writing therefor, after public hearing, notice of which is published once at least five (5) days prior to such hearing, in a newspaper of general circulation within the District, except that the Board of Directors may, in its discretion, dispense with the writing, public hearing, and publication requirements if it finds that an emergency condition requiring immediate action exists. The Applicant shall be required to pay all costs of publication. Upon granting any such variance or appeal, the Board of Directors may impose any conditions it determines to be just and proper. Variances granted by the Board of Directors shall be prepared in writing, the original to be kept on file with the District and a copy to be furnished to the Applicant. The Board of Directors may require it to be recorded at Applicant's expense.

#### 13.01.130 DEFINITIONS

The terms Applicant and Consumer used herein shall apply to every person, firm, partnership, association, corporation, city, county, state or local agency, political subdivision, District, or entity of every kind, except the Marin Municipal Water District.

#### 13.01.140 CHAPTER CONTROLLING

The provisions of this Chapter shall prevail and control in the event of any inconsistency between this Chapter and any other rule, regulation, ordinance, or code of this District.

SECTION 3. The severability provisions of Section 1.10.110 of the district's Code are applicable to this ordinance.

PASSED AND ADOPTED this 13th day of December, 1989, by the following vote of the Board:

AYES: Directors Barnard, Morrison, Robinson, Wray and Yates

NOES: None

ABSTAIN: None

ABSENT: None

  
President, Board of Directors

ATTEST:

  
Secretary, Board of Directors

**MARIN MUNICIPAL WATER DISTRICT**

**ORDINANCE NO. 346**

**AN ORDINANCE REPEALING CHAPTER 13.01 AND ADDING SECTION 11.08.025  
TO TITLE 11 OF THE MARIN MUNICIPAL WATER DISTRICT CODE  
AND THUS LIFTING PROHIBITIONS AND RESTRICTIONS ON  
NEW WATER SERVICE FACILITIES AND CONNECTIONS**

**BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE MARIN  
MUNICIPAL WATER DISTRICT AS FOLLOWS:**

**SECTION 1.** Chapter 13.01 of Title 13 of the Marin Municipal Water District Code is repealed.

**SECTION 2.** Section 11.08.025 is added to Title 11 of the Marin Municipal Water District Code to read as follows:

11.08.025 Off Services and Services With Minimal or No Consumption. (a) For any service to be activated for which an application or variance has previously been approved, the Applicant must provide the District with a building permit which indicates the proposed use of the service, and such use must be consistent with the use stated on the service application or in the variance approval, or as set forth in the Pipeline Extension Agreement, or if not consistent, the use must result in no increase in the District's historic commitment to the service.

(b) The District has established an Off-Services Program to establish its commitment for certain services. Off-Services are: (1) services obtained prior to August 12, 1977 which have never been activated, and (2) services which have not been active since July 1, 1986. Such services, and any service for which a variance was granted before December 13, 1989 resulting in commitments for water which have never been activated, shall pay connection fees upon activation equal to the difference between the connection fees originally paid and the fees which would be due if service had been applied for at the time of activation. The term "activation" for purposes of this subsection means connection of the water service to a structure permitted to be occupied under applicable local building codes or application of the water to the purpose for which the service was sought where service was for irrigation purposes.

(c) Services, the meters to which are being read and billed, that have had minimal or no consumption for two or more years shall be reviewed by staff to ascertain their status. Such services shall be put to their intended use no later than January 1, 1994 or lose their entitlement to water. Such services which did not receive water budgets at the time of activation shall be given water budgets prior to the commencement of water use and pay connection fees at that time equal to the difference between the connection fee originally paid and the connection fee applicable at the time of commencement of use.

**SECTION 3.** The severability of Section 1.10.110 of the Marin Municipal Water District Code are applicable to this ordinance.

**PASSED AND ADOPTED** this 24th day of March, 1993, by the following vote of the Board:

**AYES:** Directors Boessenecker, Cronin, Harris, Miller and Nation

**NOES:** None

**ABSENT:** None

*Joan G. Boessenecker*  
President, Board of Directors

**ATTEST:**

*Betty J. Laughan*  
Secretary, Board of Directors



## Approval Item

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### **TITLE**

Resolution Approving the Kastania Pump Station Rehabilitation Project and Authorizing the General Manager to Execute a Professional Services Agreement with Carollo Engineers

### **RECOMMENDATION**

Adopt a resolution approving the Kastania Pump Station Rehabilitation Project, authorizing the General Manager to execute a professional services agreement with Carollo Engineers, finding the Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA), and directing staff to file a Notice of Exemption with the Sonoma County Clerk.

### **SUMMARY**

The District's imported water supply, delivered through the North Marin Aqueduct, annually provides 25% of the District's water supply. The Kastania Pump Station, which served to facilitate delivery of the District's imported water supply from 1977 through 2015, has been disconnected from the aqueduct and is no longer in service, limiting the District's ability to access its imported water supply. Due to the drought, immediate action is required to rehabilitate and operate the Kastania Pump Station to facilitate delivery of the District's imported water supply and ensure a continued supply of safe drinking water to the District's customers. Staff recommends the Board adopt the Resolution approving the Kastania Pump Station Rehabilitation Project, authorizing the General Manager to execute a professional services agreement with Carollo Engineers in support of the Kastania Pump Station Rehabilitation Project, finding the Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA), and directing staff to file a Notice of Exemption with the Sonoma County Clerk.

### **DISCUSSION**

After two successive dry winters with below average rainfall, District reservoir storage volumes are at historically low levels. Reservoir storage as of May 1, 2021 was 40,167 acre-feet (AF), which was 50% of capacity, 32,152 AF below the historic average of 72,319 AF on this date, and was the lowest storage level in 38 years since Kent Dam was raised and the total capacity of the District's reservoir system was increased to 79,566 AF. Total rainfall from July 1, 2020 to May 1, 2021, as measured at the District's Lagunitas rain gauge, was 20.6 inches, approximately 41% of average rainfall for this time of year (as of May 1). Total rainfall from January 1, 2020 through May 1, 2021 was approximately 32 inches, the lowest total rainfall for the 16 month period in 142 years. As a result of this drought, District reservoirs are at 56% of average storage volume for this date and are projected to have as little as 22,000 to 25,000 AF in storage on December 1, 2021 in the absence of above average rainfall and runoff over the remainder of the year.

To preserve the District's limited water supply, the District's Board of Directors (Board) adopted Resolution 8624 on February 16, 2021 providing initial drought water conservation actions for District customers to voluntarily reduce their water usage. The Board also authorized the General Manager to execute a professional services agreement with Carollo Engineers to evaluate rehabilitation of the Kastania Pump Station.

At the April 6<sup>th</sup>, 2021 meeting, the Board discussed the preliminary results of Carollo Engineers' evaluation of the Kastania Pump Station, which determined that rehabilitating and operating the Kastania Pump Station would improve the operational efficiency of the District's imported water supply and that rehabilitating the Kastania Pump Station could be completed in approximately seven months under Option 1 – Immediate Recommissioning.

At the April 20<sup>th</sup>, 2021 meeting, the Board adopted Resolution 8630 declaring a water shortage emergency and adopted Ordinance No. 449 setting forth a comprehensive list of mandatory water conservation measures and water use restrictions. At the May 4, 2021 meeting, the Board adopted Ordinance No. 450 adding additional mandatory water conservation measures.

### **Kastania Pump Station History**

The Kastania Pump Station (KPS), located at 4100 Kastania Road in Petaluma (see Attachment 2), was constructed in 1977. At that time, the facility was designed to increase the flow and pressure in the North Marin Aqueduct (a pipeline operated by North Marin Water District from just north of the KPS to North Marin's distribution system in Novato) and offset the hydraulic impact of increased consumption of imported water by Petaluma and the North Marin Water District. The North Marin Aqueduct conveys water to both North Marin Water District and the District. The District operated the KPS until 1999 when ownership was transferred to the Sonoma County Water Agency (now known as Sonoma Water).

After operating for 38 years, the KPS was taken off-line in August 2015, after Caltrans completed the Marin-Sonoma Narrows High Occupancy Vehicle Widening Project (Caltrans Project). Implementation of the Caltrans Project interfered with the North Marin Aqueduct which ran parallel to the west side of the freeway, requiring relocation of the Aqueduct out of the Caltrans Project footprint. As part of the relocation, much of the North Marin Aqueduct was upgraded from a 30-inch diameter pipe to a 42-inch diameter pipe which would, under normal conditions, allow water deliveries to gravity flow year-round to the District's Ignacio Pump Station in Novato, thus eliminating the need for operation of the KPS.

### **Summary of District Water Supply Sources**

Approximately 75% of the District's water supply comes from water stored in seven reservoirs on Mount Tamalpais and in west Marin, and approximately 25% of the water supply is imported from Sonoma Water via the North Marin Aqueduct. The District's contracts with Sonoma Water identify the maximum volumes to be imported: 12.8 mgd during the months of May to

September and 17 to 23 mgd from October to April.<sup>1</sup> However, the District has never needed the maximum volumes, averaging 8.81 mgd during peak months over the last 5 years<sup>2</sup>, with a high of 10.07 mgd in 2016.

The ability of the District to efficiently access its contracted water supply is impacted by hydraulic constraints in the imported water supply pipe network both upstream and downstream of the KPS and, in particular, by non-operation of the KPS. Rehabilitation and operation of the KPS would allow the District to more efficiently operate its water supply system, especially in time of dry years or drought.

## **Project Description**

### Existing Conditions

The KPS is located on a 0.83-acre parcel and includes a 1,200-square-foot building which houses two pumps (referred to as Pump No. 1 and Pump No. 2) and associated electrical facilities. Both pumps are driven by 400-hp motors. In an evaluation of its condition, the KPS was found to generally be in good condition, except for Pump No. 1 which has sustained fire damage and can no longer be used. Pump No. 2 appears to be in good condition, requiring minimal refurbishment to function properly. The building is set into the hill at the southeast corner of the site.

Exterior improvements include a driveway, buried yard piping, and a gate and fencing. Much of the unimproved portion of the site is ruderal grassland, with two mature oak trees centrally located.

### Operations

Prior to being taken off-line in 2015, imported water was conveyed via gravity through the North Marin Aqueduct (beneath Kastania Road) and bypassed the KPS during periods of low demand. During periods of high demand, water was delivered to the KPS from the North Marin Aqueduct<sup>3</sup> in Kastania Road by a 30-inch wye fitting. After leaving the KPS, imported water entered a 30-inch discharge pipe which connected back to the North Marin Aqueduct at a point further south on Kastania Road.

After installation of the relocated 42-inch North Marin Aqueduct, water deliveries now bypass the KPS just north of the facility, crossing east under Highway 101 and continuing south via the relocated Aqueduct. The KPS has not been used since 2015, when the relocated Aqueduct came online.

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<sup>1</sup> The District has two agreements with Sonoma County Water Agency, last updated in July 2015, detailing the flow rate for both the sale of water and off-peak deliveries. The actual flow rates are variable in any given month.

<sup>2</sup> Peak delivery months for the District occur in the winter, typically November through April.

<sup>3</sup> The North Marin Aqueduct begins at the metering point approximately 800 feet north of the KPS.

### Proposed Rehabilitation

Proposed minor modifications within the existing 1,200 square-foot pump house building include:

- Refurbish Pump No. 2 (replace motor coupling and mechanical seal);
- Relocate solenoid valve from Pump No. 1 to Pump No. 2; and
- Install pressure transmitter.

Proposed yard improvements include:

- Install approximately 100 linear feet of 30-inch yard piping;
- Install a 6-foot by 8-foot flowmeter vault;
- Install a 1-inch conduit to the new flowmeter vault; and
- Repair existing 1,630-square-foot driveway with all-weather road surface.

All improvements would be contained within the existing site. Yard improvements would be at or below grade and would be outside the dripline of the two oak trees. No off-site improvements would be needed. Construction would take approximately 3 months and occur in late summer or early fall of 2021.

No change would occur to the District's existing contracted water delivery volumes with Sonoma Water. Bringing Pump No. 2 back in service would allow the District to maintain a constant delivery rather than a fluctuating water delivery that is subject to constraints in the system.

To complete the rehabilitation, the District would need to execute a lease, license, or property transfer with Sonoma Water for the KPS site. This would occur prior to the start of construction.

### **ENVIRONMENTAL REVIEW**

The Project was reviewed relative to the CEQA Guidelines to determine if it qualifies under a class of projects that has been determined not to have a significant effect on the environment and which may be exempted. This review finds that the Project qualifies for a Statutory Exemption under Section 15269 Emergency Projects and meets the criteria for a Categorical Exemption under Section 15301 Existing Facilities as described in further detail below.

#### **Section 15269 Emergency Projects**

Under Section 15269, the following emergency projects are statutorily exempt from the requirements of CEQA:

*(b) Emergency repairs to publicly or privately owned service facilities necessary to maintain service essential to the public health, safety or welfare. Emergency repairs include those that require a reasonable amount of planning to address an anticipated emergency.*

*(c) Specific actions necessary to prevent or mitigate an emergency. This does not include long-term projects undertaken for the purpose of preventing or mitigating a situation that has a low probability of occurrence in the short-term, but this exclusion does not apply (i) if the anticipated period of time to conduct an environmental review of such a long-term project would create a risk to public health, safety or welfare, or (ii) if activities (such as fire or catastrophic risk mitigation or modifications to improve facility integrity) are proposed for existing facilities in response to an emergency at a similar existing facility.*

As described earlier, the District has experienced two successive dry winters with below average rainfall, resulting in reservoir storage volumes at historically low levels. At its April 20<sup>th</sup>, 2021 meeting, the Board Resolution 8630 declaring a water shortage emergency. To help manage the water shortage emergency the District proposes to rehabilitate the KPS to assist in maintaining the essential public service of water delivery to its customers and operate the KPS to mitigate the emergency. The Project is consistent with the intent of the Emergency Project exemption.

### **Section 15301 Existing Facilities**

Under Section 15301, the following projects are categorically exempt from the requirements of CEQA:

*Operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use. The key consideration is whether the project involves negligible or no expansion of use. Examples include:*

- (a) Interior or exterior alterations involving such things as interior partitions, plumbing, and electrical conveyances.*
- (b) Existing facilities of both investor and publicly owned utilities used to provide electric power, natural gas, sewerage, or other public utility services.*

Rehabilitation of the KPS would include the repair and minor alteration of an existing public facility. The existing Pump No. 2 would be repaired, and minor alterations would be made to the yard piping. There would be few visible changes at the site. Constructed in 1977, the site has functioned as a pump station for nearly 44 years, albeit idle for the past 5 years. After the proposed improvements are complete, the site would continue to serve as a pump station facility. There would be no change in use. The Project is consistent with the intent of the Existing Facilities exemption.

### **Section 15300.2 Exceptions**

Section 15300.2 of the CEQA Guidelines includes a list of circumstances in which a categorical exemption cannot be used. As part of the review for the Existing Facilities exemption, the Project was evaluated against each of the applicable exceptions, including cumulative impacts,

significant effects due to unusual circumstances, scenic highways, hazardous waste sites, and historical resources.

Cumulative Impact. CEQA Guidelines Section 15300.2(b) specifies that a Categorical Exemption shall not be used when the cumulative impact of successive projects of the same type in the same place over time is significant. There are no known projects within the vicinity of the KPS site that would be under construction at the same time as the proposed improvements. After the improvements are complete, use of the site would remain the same as historic conditions. Therefore, the cumulative impact exception under Section 15300.2(b) does not apply.

Significant Effect from Unusual Circumstances. CEQA Guidelines Section 15300.2(c) specifies that a Categorical Exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances. The proposed improvements are consistent with exempt classes of projects, and the Project does not have a feature that distinguishes it from other examples in the exempt classes, such as size or location. The Project would not impact an environmental resource of hazardous or critical concern. The improvements would avoid the two oak trees. No unusual circumstances have been identified, and no potentially significant impacts that could occur due to the Project have been identified. Therefore, the exception under Section 15300.2(c) is not applicable.

Scenic Highways. CEQA Guidelines Section 15300.2(d) specifies that a Categorical Exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a State scenic highway. There are no State-designated scenic highways adjacent to the Project site<sup>4</sup>. Therefore, the exception under Section 15300.2(d) is not applicable.

Hazardous Waste Sites. CEQA Guidelines Section 15300.2(e) specifies that a Categorical Exemption shall not be used for a project located on a site which is included on a list compiled pursuant to Section 65962.5 of the Government Code. To determine if any portion of the Project would be located on such a list, the online data resources that provide information on facilities or sites pursuant to Section 65962.5, as well as relevant reports to any listed hazardous waste sites were reviewed. These include:

- Department of Toxic Substances Control EnviroStor database;
- List of Leaking Underground Storage Tank Sites from the Water Board GeoTracker database;
- List of solid waste disposal sites identified by the Water Board with waste constituents above hazardous waste levels;
- List of "active" Cease and Desist Orders and Cleanup and Abatement Orders from the Water Board;

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<sup>4</sup> California State Scenic Highway System Map, reviewed online on 4/26/2021.

- List of hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code.

No designated hazardous waste sites are recorded on the KPS site. One Leaking Underground Storage Tank site designated as open for monitoring is located approximately 0.3 miles to the south of the KPS site. However, given the distance of the open site to the Project site, the Project is not anticipated to encounter any contaminated hazardous waste site pursuant to Section 65962.5 of the Government Code. Therefore, as the Project site is not located on a designated hazardous waste site, the exception under Section 15300.2(e) is not applicable.

Historical Resource. CEQA Guidelines Section 15300.2(f) specifies that a Categorical Exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource. During the original construction of the KPS, significant grading occurred in the side of the hill to accommodate the pump station building and create a flat pad. No historic resources were encountered at that time. The proposed improvements, including yard piping, would be located within previously disturbed areas. Therefore, Project activities are not expected to cause negative impact to any known or potential historical resources; the exception under Section 15300.2(f) is not applicable.

### **Conclusion**

The Project qualifies for exemptions under 15269 Emergency Projects and 15301 Existing Facilities of the CEQA Guidelines. The environmental review and documentation reported above did not identify any significant effects that would occur from the Project, and the exceptions listed in Section 15300.2 of the CEQA Guidelines were found not to apply to the Project. A copy of the draft Notice of Exemption is provided in Attachment 3. A copy of the technical memorandum prepared by GHD regarding CEQA review of the Project is provided in Attachment 4.

### **KASTANIA PUMP STATION REHABILITATION PROJECT**

As discussed at the April 6<sup>th</sup>, 2021 meeting, the District intends to pursue Option 1 – Immediate Recommissioning of the Kastania Pump Station. In order to proceed with the Kastania Pump Station Rehabilitation Project, the services of a professional engineering firm are needed to prepare detailed design of the project and provide engineering services during construction. District staff recommends the District hire Carollo Engineers for this phase of the project. Carollo Engineers is an experienced consulting engineering firm with expertise in civil, mechanical, electrical, structural and hydraulic engineering of water systems, and conducted the preliminary evaluation of the Kastania Pump Station Rehabilitation Project and has prepared a draft basis of design report for the Kastania Pump Station Rehabilitation Project.

As shown below, the project is anticipated to be completed in November 2021.



Project Implementation:

Professional Services Agreement:	May 18, 2021
Complete Construction Documents:	July 15, 2021
Construction Quotes Due:	August 4, 2021
Award Construction Contract:	August 17, 2021
Start Construction:	September 12, 2021
Complete Construction:	November 19, 2021

**FISCAL IMPACT**

As shown in Table 1, the total cost for the contract with Carollo Engineers is \$392,662, with a staff requested contingency of \$40,000, for a total authorized amount of \$432,662.

**Table 1**  
**Kastania Pump Station Rehabilitation Project**  
**Detailed Design and Engineering Services During Construction**  
**Scope of Work Summary**

Task Description	Budget
<b>Task 1 – Project Management and Project Meetings:</b> This task includes managing the project team, the scope of work, the project schedule and budget, and the coordination of, and documentation of, project meetings. Additionally, the project management task includes Carollo's quality management program and providing monthly progress reports to the District to accompany the invoices for the services provided by Carollo related to the project.	\$46,528
<b>Task 2 – Site Visit and Operational Testing:</b> This task includes a site by Carollo to assist in the detailed design of the electrical components of the KPS, and developing and implementing an on-site operational test plan to support rehabilitation of the pump station. It is anticipated the test plan will take two days to complete.	\$9,248
<b>Task 3 – Detailed Design:</b> This task includes completing detailed design of the Project, including civil, mechanical, electrical, and control/instrumentation. Detailed plans will be prepared at the 90% level for review and comment by the District. Following District's review, Carollo will prepare final design and a 100% complete set of construction contract documents suitable for contractor quotes. Carollo estimates the design will require approximately 40 detailed design sheets.	\$231,808
<b>Task 4 – Bid Phase Support Services:</b> Carollo will develop the agenda for, and conduct, the prebid meeting for prospective contractors. Carollo will prepare addendum as required, and analyze the quotes received to verify conformance with contract requirements. Upon issuance of notice of award, Carollo will prepare Conformed Documents by incorporating all changes by the addendum into the final documents for construction.	\$12,792
<b>Task 5 – Engineering Services During Construction:</b> Carollo will attend weekly construction progress meetings; review submittals, RFIs and Change Orders; conduct final site inspection and develop a punch list; and, upon completion of the project, produce an end-of-project set of as-built record drawings. Carollo will also prepare an Operations and Maintenance (O&M) Manual for the Kastania Pump Station. The O&M manual will address safety, operating strategies and procedures, alarms, troubleshooting, and include equipment and vendor information.	\$92,286
<b>TOTAL</b>	<b>\$392,662</b>
<b>Contingency</b>	<b>\$40,000</b>



Total Authorized Amount	\$432,662
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In summary, District staff request the Board authorize the General Manager to execute a professional services agreement with Carollo Engineers for detailed design and engineering services during construction for the Kastania Pump Station Rehabilitation Project in the amount of \$392,662, plus a contingency of \$40,000, for a total authorized amount of \$432,662.

**ATTACHMENT(S)**

1. Resolution
2. Site Map
3. Draft Notice of Exemption
4. Kastania Pump Station Rehabilitation – Preliminary Review for CEQA Compliance (*GHD, May 3, 2021*)

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Engineering	 Michael Ban Director of Engineering	 Ben Horenstein General Manager

**MARIN MUNICIPAL WATER DISTRICT**

**RESOLUTION NO.**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE MARIN MUNICIPAL WATER  
APPROVING THE KASTANIA PUMP STATION REHABILITATION PROJECT**

**WHEREAS**, in 2020, the District received just over 20 inches of rain, the second lowest rainfall total for the District's watershed in 90 years; and

**WHEREAS**, on January 19, 2021, the Board identified numerous actions the District is taking in order to preserve the District's water supply, including evaluating the rehabilitation of the Kastania Pump Station; and

**WHEREAS**, on February 16, 2021, the Board adopted Resolution 8624 declaring initial drought water conservation actions and requesting District customers to voluntarily reduce their water usage; and

**WHEREAS**, on April 1, 2021, total storage in the District's reservoirs was 43,485 acre-feet (AF), the lowest storage level in 38 years since Kent Dam was raised and the total capacity of Marin Water's reservoir system was increased to 79,566 AF, with District reservoirs projected to be as low as 24,000 – 28,000 AF on December 1, 2021 in the absence of above average rainfall and runoff; and

**WHEREAS**, on April 20, 2021, the Board adopted Resolution 8630 declaring a water shortage emergency and adopted Ordinance 449 implementing mandatory water conservation measures; and

**WHEREAS**, on May 4, 2021, the Board adopted Ordinance 450 to add additional mandatory water conservation measures; and

**WHEREAS**, the District has contracted with the Sonoma County Water Agency to import water through the North Marin Aqueduct since 1975; and

**WHEREAS**, to facilitate delivery of its imported water supply, the District constructed the Kastania Pump Station in 1977 at 4100 Kastania Road, Petaluma; and

**WHEREAS**, the District owned and operated the Kastania Pump Station from 1977 to 1999 to facilitate delivery of its imported water supply; and

**WHEREAS**, the District transferred ownership of the Kastania Pump Station to the Sonoma County Water Agency in 1999 in accordance with the “Agreement Among the Sonoma County Water Agency, the North Marin Water District and the Marin Municipal Water District for Acquisition of a Portion of the North Marin Aqueduct and the Kastania Pump Plant,” dated April 13, 1999; and

**WHEREAS**, the Sonoma County Water Agency operated the Kastania Pump Station from 1999 to 2015 to facilitate delivery of the District’s imported water supply; and

**WHEREAS**, the Sonoma County Water Agency discontinued operating the Kastania Pump Station on August 13, 2015, following completion of the North Marin Water District’s Aqueduct Energy Efficiency Project; and

**WHEREAS**, the Kastania Pump Station is in a state of disrepair, is not connected to the North Marin Aqueduct and is not available to be used to improve the operational efficiency of the District’s imported water supply; and

**WHEREAS**, without operation of the Kastania Pump Station, the limited capacity of the North Marin Aqueduct is not sufficient to meet the District’s imported water needs, especially during drought and increased fire risk; and

**WHEREAS**, because the Kastania Pump Station is not available to improve the operational efficiency of the District’s imported water supply, the District’s imported water supply has been reduced during the drought, with the reduced capacity expected to continue into the summer; and

**WHEREAS**, on February 16, 2021, the District authorized the General Manager to execute a professional services agreement with Carollo Engineers to undertake preliminary analysis of available options for the Kastania Pump Station; and

**WHEREAS**, on April 6, 2021, the Board considered the results of Carollo Engineers’ efforts to evaluate rehabilitation of the Kastania Pump Station, which determined that rehabilitating and operating the Kastania Pump Station would improve the operational efficiency of the District’s imported water supply and that rehabilitating the Kastania Pump Station could be completed in approximately seven months under Option 1 – Immediate Recommissioning (Kastania Pump Station Rehabilitation Project (Project or proposed project)); and

**WHEREAS**, as part of the preliminary evaluation of the Kastania Pump Station Rehabilitation, staff also considered the proposed project pursuant to the California Environmental Quality Act (CEQA) and found that based on the existence of the drought emergency and the pressing need for water delivery flexibility as well as the limited work to be completed at the existing site of the Kastania Pump Station for

the Option One Rehabilitation, the proposed project would qualify for CEQA Exemptions pursuant to CEQA Guidelines Section 15269 Emergency Projects and CEQA Guidelines 15301 Existing Facilities in that the Project is necessary to improve the operational efficiency of the District's imported water supply which has been reduced during the drought, with the reduced capacity expected to continue into the summer and will entail only minor repairs and alterations to the existing facilities as further discussed in that Memorandum prepared by GHD for the District dated May 3, 2021 and attached to the staff report herewith; and

**WHEREAS**, in order to proceed with the Kastania Pump Station Rehabilitation Project, the services of a professional engineering firm are needed to prepare a detailed design and to provide engineering services during construction; and

**WHEREAS**, Carollo Engineers is an experienced consulting engineering firm with expertise in civil, mechanical, electrical, structural and hydraulic engineering of water systems, and conducted the preliminary evaluation of the Kastania Pump Station Rehabilitation Project; and

**WHEREAS**, the cost for professional engineering services in support of the Kastania Pump Station Rehabilitation Project is \$392,662, with a staff requested contingency of \$40,000 for a total authorized amount of \$432,600.

**NOW, THEREFORE, THE BOARD OF DIRECTORS RESOLVES AS FOLLOWS:**

- A. The Board of Directors find as follows:
  - 1. The above recitals are true and accurate and are incorporated herein by this reference.
  - 2. Rehabilitating the Kastania Pump Station and returning it to service is needed to improve the operational efficiency of the District's imported water supply, especially during increased fire risks and drought.
- B. The Board of Directors hereby approves the Kastania Pump Station Rehabilitation Project and authorizes the General Manager to execute a professional services agreement with Carollo Engineers for a detailed design and engineering services during construction for the Kastania Pump Station Rehabilitation Project in the amount of \$392,662, with a contingency of \$40,000, for a total authorized amount of \$432,600.
- C. The Project is exempt from the California Environmental Quality Act (CEQA) pursuant to 14 CCR Section 15061 (b)(1), (2), based on the following categorical and statutory exemptions:

1. The Project is exempt under CEQA Guidelines Section 15301 (b) as it includes the operation, repair, and minor alteration of existing public facilities involving no expansion of use (Class I, "Existing Facilities").
2. The Project is exempt under CEQA Guidelines Section 15269 (b)(c) because the Project involves emergency repairs to publicly owned service facilities necessary to maintain essential public health, safety and welfare and prevent an emergency ("Emergency Projects").
3. Application of the categorical exemption is not barred by any of the exceptions set forth in 14 CCR Section 15300.2.
4. Pursuant to 14 CCR Section 15062, the Board of Directors directs staff to file a Notice of Exemption for the Project with the Sonoma County Clerk within five (5) days of adoption of this Resolution, which shall constitute Project approval as defined by 14 CCR Section 15352(a).

**PASSED AND ADOPTED** this 18<sup>th</sup> day of May, 2021, by the following vote of the Board.

**AYES:**

**NOES:**

**ABSENT:**

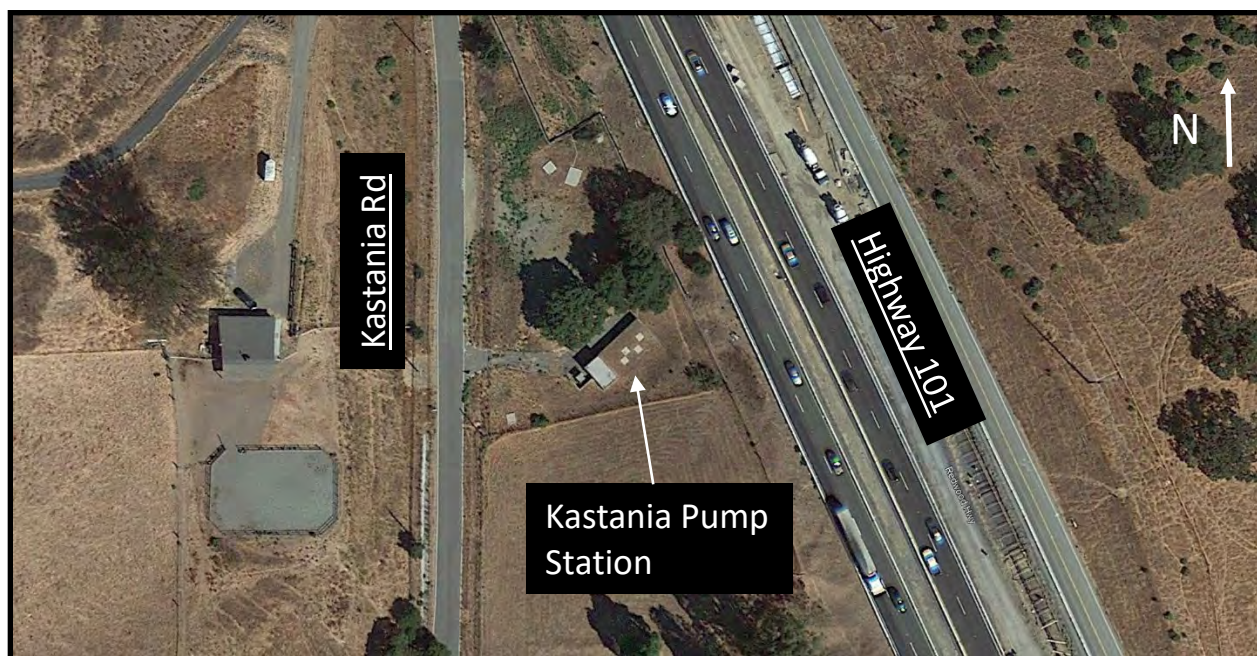
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**President, Board of Directors**

**ATTEST:**

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**Board Secretary**



Kastania Pump Station, 4100 Kastania Road, Petaluma



## Notice of Exemption

<b>TO:</b>  Office of Planning and Research P.O. Box 3044, Room 113 Sacramento, CA 95812-3044 Via <a href="#">CEQAnet Web Portal</a>  County Clerk County of Sonoma 585 Fiscal Drive, Room 103 Santa Rosa, CA 95403	<b>FROM:</b>  Marin Municipal Water District 220 Nellen Ave Corte Madera, CA 94925 Attn: Michael Ban, P.E., Director of Engineering
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**Project Title:** Kastania Pump Station Rehabilitation Project

**Project Location - Specific:** 4100 Kastania Road (APN 019-320-014), Petaluma, CA

**Project Location – County:** Sonoma

**Project Description:** The Marin Municipal Water District proposes to rehabilitate and operate the Kastania Pump Station (KPS) to address the emergency drought conditions. Minor modifications include refurbishment and operation of one of the existing pump sets, installation of approximately 100 linear feet of 30-inch yard piping and a 6-foot by 8-foot flowmeter vault, and resurfacing of existing driveway. All improvements will be contained within the existing KPS site. Construction will take approximately 3 months and occur in late summer or early fall of 2021. To complete the rehabilitation, the District will need to execute a lease, license, or property transfer with Sonoma Water. This will occur prior to the start of construction.

**Public Agency Approving Project:** Marin Municipal Water District

**Name of Person or Agency Carrying Out Project:** Marin Municipal Water District

**CEQA Exemption Status:** The Project is Categorically Exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15301 (b) "Existing Facilities" (Class 1) and exempt under CEQA Guidelines Section 15269 (b) and (c) "Emergency Projects".

**Reason for Exemption:** The Project is exempt under CEQA Guidelines Section 15301 (b) as it includes the operation, repair, and minor alteration of existing public facilities involving no expansion of use. The Project is exempt under CEQA Guidelines Section 15269 (b) and (c) because it involves repairs to publicly owned service facilities necessary to maintain essential public health, safety and welfare and to mitigate an emergency.

**Project Approval:** The Marin Municipal Water District Board of Directors approved Resolution No. XXXX at a meeting of the Board of Directors on May 18, 2021.

**Lead Agency Contact Person:** Michael Ban, P.E., Director of Engineering

**Telephone:** (415) 945-1435

**Michael Ban, P.E., Director of Engineering**

May 19, 2021  
**Date**



# Memorandum

3 May 2021

<b>To</b>	Mike Ban, Director of Engineering, Marin Municipal Water District		
<b>From</b>	Kristine Gaspar, Environmental Planner, GHD Pat Collins, Environmental Planner, GHD	<b>Tel</b>	707-523-1010
<b>Subject</b>	Kastania Pump Station Rehabilitation – Preliminary Review for CEQA Compliance	<b>Project no.</b>	11224707

## Introduction and Summary

The Marin Municipal Water District (District) proposes to rehabilitate and operate the Kastania Pump Station (KPS) to address the emergency drought conditions. Rehabilitating and bringing the KPS back on-line would allow the District to manage their water deliveries more efficiently and access their contracted water deliveries during high demand periods and during periods when the capacity of the North Marin Aqueduct is limited by demands upstream of the District's Ignacio Pump Station. This has become more acute during the drought, reducing the District's ability to receive their typical water deliveries for this time of year. The District engaged with GHD to review the proposed rehabilitation of the KPS and provide a recommendation for CEQA compliance if such a rehabilitation were approved. This memorandum summarizes the findings of that review and concludes that rehabilitation of the KPS would qualify for an exemption under CEQA Guidelines Section 15269 Emergency Projects and CEQA Guidelines 15301 Existing Facilities.

## Environmental Setting

### Continuing Drought Conditions and Water Emergency Declaration

After two successive dry winters with below average rainfall, the District reservoir storage volumes are at historically low levels. Reservoir storage as of April 1, 2021 was 43,385 acre-feet (AF), the lowest storage level in 38 years since Kent Dam was raised and the total capacity of the District's reservoir system was increased to 79,566 AF. Total rainfall from July 1, 2020 to April 1, 2021, as measured at the District's Lagunitas rain gauge, was 20.3 inches, approximately 43% of average rainfall for this time of year (as of April 1). As a result of this drought, the District reservoirs are at 59% of average storage volume for this date and are projected to have as little as 24,000 to 28,000 AF in storage on December 1, 2021 in the absence of above average rainfall and runoff over the remainder of the water year.<sup>1</sup>

To preserve the District's limited water supply, the District's Board of Directors (Board) adopted Resolution 8624 on February 16, 2021 providing initial drought water conservation actions for District customers to voluntarily reduce their water usage. At the April 20, 2021 meeting, the Board adopted Resolution 8630 declaring a water shortage emergency and adopted an ordinance setting forth a comprehensive list of mandatory water conservation measures and water use restrictions.

### Kastania Pump Station History

The KPS, located at 4100 Kastania Road in Petaluma, was constructed in 1977. At that time, the facility was designed to increase the flow and pressure in the North Marin Aqueduct (a pipeline operated by North Marin Water District from just north of the KPS to North Marin's distribution system in Novato) and offset the hydraulic impact of increased consumption of imported water by Petaluma and the North Marin Water District.

<sup>1</sup> Marin Municipal Water District Board Meeting, April 20, 2021. Agenda Item #6.



The North Marin Aqueduct conveys water to both North Marin Water District and the District. The District operated the KPS until 1999 when ownership was transferred to the Sonoma County Water Agency (now known as Sonoma Water).

After operating for 38 years, the KPS was taken off-line in August 2015, after Caltrans completed the Marin-Sonoma Narrows High Occupancy Vehicle Widening Project (Caltrans Project). Implementation of the Caltrans Project interfered with the North Marin Aqueduct which ran parallel to the west side of the freeway, requiring relocation of the Aqueduct out of the Caltrans Project footprint. As part of the relocation, much of the North Marin Aqueduct was upgraded from a 30-inch diameter pipe to a 42-inch diameter pipe, which would, under normal conditions, allow water deliveries to gravity flow year-round to Ignacio Pump Station in Novato, thus eliminating the need for operation of the KPS.

## **Summary of District Water Supply Sources**

Approximately 75% of the District's water supply comes from water stored in seven reservoirs on Mount Tamalpais and in west Marin, and approximately 25% of the water supply is imported from Sonoma Water via the North Marin Aqueduct. Both the District and the North Marin Water District receive their imported water supply via the North Marin Aqueduct, which is owned by the North Marin Water District. The District's imported water supply is received at its Ignacio Pump Station in Novato, which is located downstream of the North Marin Water District's Aqueduct turnouts.

The District's contracts with Sonoma Water identify the maximum volumes to be imported: 12.8 mgd during the months of May to September and 17 to 23 mgd from October to April.<sup>2</sup> However, to date, the District has never needed the maximum volumes, averaging 8.81 mgd during peak months over the last 5 years<sup>3</sup>, with a high of 10.07 mgd in 2016.

The ability of the District to efficiently access its contracted water supply is impacted by hydraulic constraints in the imported water supply pipe network both upstream and downstream of the KPS and, in particular, by non-operation of the KPS. Rehabilitation and operation of the KPS would allow the District to efficiently operate its water supply system.

## **Project Description**

### **Existing Conditions**

The KPS is located on a 0.83-acre parcel and includes a 1,200-square-foot building which houses two pumps (referred to as Pump No. 1 and Pump No. 2) and associated electrical facilities. Both pumps are driven by 400-hp motors. In an evaluation of its condition, the KPS was found to generally be in good condition, except for Pump No. 1 which has sustained fire damage and can no longer be used. Pump No. 2 appears to be in good condition, requiring minimal refurbishment to function properly. The building is set into the hill at the southeast corner of the site.

Exterior improvements include a driveway, buried yard piping, and a gate and fencing. Much of the unimproved portion of the site is ruderal grassland, with two mature oak trees centrally located.

### **Operations**

Prior to being taken off-line in 2015, imported water was conveyed via gravity through the North Marin Aqueduct (beneath Kastania Road) and bypassed the KPS during periods of low demand. During periods of high demand, water was delivered to the KPS from Sonoma Water's Kastania Pipeline<sup>4</sup> in Kastania Road by a 30-inch wye fitting. After leaving the KPS, imported water entered a 30-inch discharge pipe which connected back to the North Marin Aqueduct at a point further south on Kastania Road.

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<sup>2</sup> The District has two agreements with Sonoma County Water Agency, last updated in July 2015, detailing the flow rate for both the sale of water and off-peak deliveries. The actual flow rates are variable in any given month.

<sup>3</sup> Peak delivery months for the District occur in the winter, typically November through April.

<sup>4</sup> The Kastania Pipeline begins at the connection to Sonoma Water's Petaluma Aqueduct at the Veterans Hall near the intersection of Petaluma Blvd. South and McNear Avenue and terminates at the 30-inch wye at the connection of the KPS discharge pipeline with the North Marin Aqueduct

After installation of the relocated 42-inch North Marin Aqueduct, water deliveries now bypass the KPS just north of the facility, crossing east under Highway 101 and continuing south via the relocated Aqueduct. The KPS has not been used since August 2015, when the relocated Aqueduct came online.

## Proposed Rehabilitation

Proposed minor modifications within the existing 1,200 square-foot pump house building include:

- Refurbish Pump No. 2 (replace motor coupling and mechanical seal);
- Relocate solenoid valve from Pump No. 1 to Pump No. 2; and
- Install pressure transmitter.

Proposed yard improvements include:

- Install approximately 100 linear feet of 30-inch yard piping;
- Install a 6-foot by 8-foot flowmeter vault;
- Install a 1-inch conduit to the new flowmeter vault; and
- Repair existing 1,630-square-foot driveway with all-weather road surface.

All improvements would be contained within the existing site. Yard improvements would be at or below grade and would be outside the dripline of the two oak trees. No off-site improvements would be needed. Construction would take approximately 3 months and occur in late summer or early fall of 2021.

No change would occur to the District's existing contracted water delivery volumes with Sonoma Water. Bringing Pump No. 2 back in service would allow the District to maintain a constant delivery rather than a fluctuating water delivery that is subject to constraints in the system.

To complete the rehabilitation, the District would need to execute a lease, license, or property transfer with Sonoma Water. This would occur prior to the start of construction.

## Review of CEQA Exemption

The Project was reviewed relative to the CEQA Guidelines to determine if it qualifies under a class of projects that has been determined not to have a significant effect on the environment and which may be exempted. This review finds that the Project qualifies for a Statutory Exemption under Section 15269 Emergency Projects and meets the criteria for a Categorical Exemption under Section 15301 Existing Facilities as described in further detail below.

### Section 15269 Emergency Projects

Under Section 15269, the following emergency projects are statutorily exempt from the requirements of CEQA:

*(b) Emergency repairs to publicly or privately owned service facilities necessary to maintain service essential to the public health, safety or welfare. Emergency repairs include those that require a reasonable amount of planning to address an anticipated emergency.*

*(c) Specific actions necessary to prevent or mitigate an emergency. This does not include long-term projects undertaken for the purpose of preventing or mitigating a situation that has a low probability of occurrence in the short-term, but this exclusion does not apply (i) if the anticipated period of time to conduct an environmental review of such a long-term project would create a risk to public health, safety or welfare, or (ii) if activities (such as fire or catastrophic risk mitigation or modifications to improve facility integrity) are proposed for existing facilities in response to an emergency at a similar existing facility.*

As described earlier, the District has experienced two successive dry winters with below average rainfall, resulting in reservoir storage volumes at historically low levels. At its April 20<sup>th</sup>, 2021 meeting, the Board adopted Resolution 8630 declaring a water shortage emergency. To manage the water shortage emergency the District proposes to rehabilitate the KPS to assist in maintaining the essential public service of water

delivery to its customers and operate the KPS to mitigate the emergency. The Project is consistent with the intent of the Emergency Project exemption.

## Section 15301 Existing Facilities

Under Section 15301, the following projects are categorically exempt from the requirements of CEQA:

*Operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use. The key consideration is whether the project involves negligible or no expansion of use. Examples include:*

- (a) Interior or exterior alterations involving such things as interior partitions, plumbing, and electrical conveyances.*
- (b) Existing facilities of both investor and publicly owned utilities used to provide electric power, natural gas, sewerage, or other public utility services.*

Rehabilitation of the KPS would include the repair and minor alteration of an existing public facility. The existing Pump No. 2 would be repaired, and minor alterations would be made to the yard piping. There would be few visible changes at the site. Constructed in 1977, the site has functioned as a pump station for nearly 44 years, albeit idle for the past 5 years. After the proposed improvements are complete, the site would continue to serve as a pump station facility. There would be no change in use. The Project is consistent with the intent of the Existing Facilities exemption.

### Section 15300.2 Exceptions

Section 15300.2 of the CEQA Guidelines includes a list of circumstances in which a categorical exemption cannot be used. As part of the review for the Existing Facilities exemption, the Project was evaluated against each of the applicable exceptions, including cumulative impacts, significant effects due to unusual circumstances, scenic highways, hazardous waste sites, and historical resources.

Cumulative Impact. CEQA Guidelines Section 15300.2(b) specifies that a Categorical Exemption shall not be used when the cumulative impact of successive projects of the same type in the same place over time is significant. There are no known projects within the vicinity of the KPS site that would be under construction at the same time as the proposed improvements. After the improvements are complete, use of the site would remain the same as historic conditions. Therefore, the cumulative impact exception under Section 15300.2(b) does not apply.

Significant Effect from Unusual Circumstances. CEQA Guidelines Section 15300.2(c) specifies that a Categorical Exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances. The proposed improvements are consistent with exempt classes of projects, and the Project does not have a feature that distinguishes it from other examples in the exempt classes, such as size or location. The Project would not impact an environmental resource of hazardous or critical concern. The improvements would avoid the two oak trees. No unusual circumstances have been identified, and no potentially significant impacts that could occur due to the Project have been identified. Therefore, the exception under Section 15300.2(c) is not applicable.

Scenic Highways. CEQA Guidelines Section 15300.2(d) specifies that a Categorical Exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a State scenic highway. There are no State-designated scenic highways adjacent to the Project site<sup>5</sup>. Therefore, the exception under Section 15300.2(d) is not applicable.

Hazardous Waste Sites. CEQA Guidelines Section 15300.2(e) specifies that a Categorical Exemption shall not be used for a project located on a site which is included on a list compiled pursuant to Section 65962.5 of the Government Code. To determine if any portion of the Project would be located on such a list, the online data resources that provide information on facilities or sites pursuant to Section 65962.5, as well as relevant reports to any listed hazardous waste sites were reviewed. These include:

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<sup>5</sup> California State Scenic Highway System Map, reviewed online on 4/26/2021.

- Department of Toxic Substances Control EnviroStor database;
- List of Leaking Underground Storage Tank Sites from the Water Board GeoTracker database;
- List of solid waste disposal sites identified by the Water Board with waste constituents above hazardous waste levels;
- List of "active" Cease and Desist Orders and Cleanup and Abatement Orders from the Water Board;
- List of hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code.

No designated hazardous waste sites are recorded on the KPS site. One Leaking Underground Storage Tank site designated as open for monitoring is located approximately 0.3 miles to the south of the KPS site. However, given the distance of the open site to the Project site, the Project is not anticipated to encounter any contaminated hazardous waste site pursuant to Section 65962.5 of the Government Code. Therefore, as the Project site is not located on a designated hazardous waste site, the exception under Section 15300.2(e) is not applicable.

Historical Resource. CEQA Guidelines Section 15300.2(f) specifies that a Categorical Exemption shall not be used for a project which may cause a substantial adverse change in the significance of a historical resource. During the original construction of the KPS, significant grading occurred in the side of the hill to accommodate the pump station building and create a flat pad. No historic resources were encountered at that time. The proposed improvements, including yard piping, would be located within previously disturbed areas. Therefore, Project activities are not expected to cause negative impact to any known or potential historical resources; the exception under Section 15300.2(f) is not applicable.

## **Conclusion**

The Project qualifies for exemptions under 15269 Emergency Projects and 15301 Existing Facilities of the CEQA Guidelines. The environmental review and documentation reported above did not identify any significant effects that would occur from the Project, and the exceptions listed in Section 15300.2 of the CEQA Guidelines were found not to apply to the Project.



## Approval Item

### TITLE

Proposed Operating and Capital Budget for Fiscal Year (FY) FY2022 and FY2023

### RECOMMENDATION

Adopt the Proposed Operating and Capital Budget for FY2022 and FY2023.

### SUMMARY

Staff has prepared the Operating and Capital Budget for FY2022 (FY22) and FY2023 (FY23) in conjunction with the long range financial planning and capital improvement projects. The proposed budget represents an increase of 6.4 percent to the total FY22 budget compared to FY21, and an increase of 1.1 percent to the total FY23 budget compared to FY22. Part of the increase in the FY22 budget is attributed to carrying forward unused capital funding from the previous fiscal year.

### DISCUSSION

As presented at the April 22, 2021 Finance & Administration Committee, the proposed budget is comprised of \$114.8 million in FY22 and \$116.1 million in FY23, for a two-year total of \$230.9 million. Combined expenses for FY22 and FY23 include operating expenses of \$161.0 million, capital and fire flow projects of \$50.0 million, and debt service expenditures of \$19.9 million. Combined, projected revenues for FY22 and FY23 include water sales of \$175.4 million, other operating revenues of \$5.5 million, and fire flow fees of \$9.0 million. Capital projects will be supported through Capital Maintenance Fee (CMF) revenue from FY22 and FY23 for a total of \$35.4 million (assuming an indexed 4 percent for inflation in FY22 and FY23). The remaining funding will be from the capital fund balance, which includes accumulated CMF revenue generated during FY20 and FY21.

**Table 1: FY22 and FY23 Proposed Budget Comparison**

Description	FY20 Actual	FY21 Adopted Budget	FY22 Budget Request	% Incr/Decr	FY23 Budget Request	% Incr/Decr
Personnel Services	\$50.8	\$52.6	\$53.8	2.3%	\$56.4	4.7%
General & Admin	8.5	4.8	5.4	12.4%	5.5	3.0%
Materials & Supplies	10.0	11.4	11.3	-0.7%	11.8	4.2%

Operations	10.3	11.9	13.2	11.5%	13.5	2.0%
Debt Service	10.2	10.2	10.2	-0.6%	9.7	-4.7%
Allocation to Capital	-4.5	-4.7	-5.2	10.6%	-4.7	-9.6%
<b>Total Operating Budget</b>	<b>\$85.3</b>	<b>\$86.2</b>	<b>\$88.7</b>	<b>2.9%</b>	<b>\$92.2</b>	<b>3.9%</b>
Capital & Fire Flow	16.2	21.7	26.1	20.3%	23.9	-8.4%
<b>Total Operating &amp; Capital Funds</b>	<b>\$101.5</b>	<b>\$107.9</b>	<b>\$114.8</b>	<b>6.4%</b>	<b>\$116.1</b>	<b>1.1%</b>

In FY2022, staffing will increase to 241 full time employees (FTE) from 240, which reflects one additional Ranger to support Watershed operations. An additional Ranger is included in the FY2023 proposed operating budget, bringing staffing to 242 FTEs.

FY22 overall budget totals \$114.8 million, which is \$6.9 million (6.4 percent) higher than the FY21 budget. This includes an increase of \$2.5 million in operating budget and \$4.4 million in capital budget, carryover funding from capital projects in the previous fiscal year.

The overall FY23 budget is \$116.1 million which is \$1.3 million (1.1 percent) higher than the FY22 budget. This includes an operating increase of \$3.5 million and capital expenditures decrease of \$2.2 million to \$23.9 million from \$26.1 million.

Debt Service payments remain at \$10.2 million in FY22 and will decrease to \$9.7 million in FY23 as a result of 2012 revenue bond refunding in April 2022.

The Personnel Services budget increases by \$1.2 million, or 2.3 percent, from FY2021 to FY2022. In the following fiscal year, it increases by \$2.6 million, or 4.7 percent, mainly due to rising pension costs.

The General and Admin budget increases by \$0.6 million, or 12.4 percent, from FY2021 to FY2022, and by \$0.1 million, or 3.0 percent, from FY2022 to FY2023, mostly due to rising government fees and bank fees as well as increased insurance costs. Government fees are mainly permit fees required for the District to work on field projects. Bank fees are rising mainly due to increased credit card transactions and online banking transactions. Insurance premiums have increased due to increased wild fire risk.

Included in Construction Contracts is the paving budget. Paving cost has been increasing significantly during the recent years and staff expects to see that trend continue.

The Professional Fees budget increased \$0.7 million, or 43.2 percent, from FY2021 to FY2022, and the additional budget is requested to fund \$0.3 million for a lake algae study, and \$0.3 million to develop the Watershed Recreation Plan.

**CAPITAL PLANS:**

The budget provides a road map for Capital Improvement Program (CIP) projects for the coming ten years. The CIP is funded by the CMF and Fire Flow revenue, and assumes no additional debt.

**FISCAL IMPACT**

Budget appropriation of \$114.8 million and \$116.1 million for FY2022 and FY2023 respectively.

**ATTACHMENT(S)**

1. Proposed Operating and Capital Budget for FY2022 and FY2023

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Administrative Services Division	 Charles McBride Finance Director	 Ben Horenstein General Manager



# **MARIN MUNICIPAL WATER DISTRICT**

**Final**

**FISCAL YEAR 2021/22 and 2022/23**

**OPERATING AND CAPITAL BUDGET**

**May 18, 2021**



# MARIN MUNICIPAL WATER DISTRICT

## FY 2022 & FY 2023 OPERATING & CAPITAL BUDGETS

Adopted: May 18, 2021

### **BOARD OF DIRECTORS**

#### **Cynthia Koehler, President**

Division IV Representative

#### **Larry Russell, Vice President**

Division V Representative

#### **Jack Gibson**

Division I Representative

#### **Monty Schmitt**

Division II Representative

#### **Larry Bragman**

Division III Representative

### **BOARD COMMITTEES**

Operations Committee

Finance & Administration Committee

Watershed Committee

Communications & Water Efficiency Committee

### **OTHER ASSIGNMENTS**

Lagunitas Creek Sediment & Riparian Management Committee

Technical Advisory Committee

One Tam

Ad Hoc Committee

North Bay Watershed Association

Ad Hoc Committee

Tomaes Bay Watershed Council

Ad Hoc Committee

Sonoma County Water Agency

Water Advisory Committee

North Bay Water Reuse Authority

Ad Hoc Committee

Association of California Water Agencies Federal Affairs Committee

Ad Hoc Committee



**MARIN MUNICIPAL  
WATER DISTRICT**

## **MISSION STATEMENT**

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**It is the purpose of the Marin Municipal Water District to manage our natural resources in a sustainable manner and to provide our customers with reliable, high-quality water at a reasonable price.**





**Larry Bragman**  
Division III



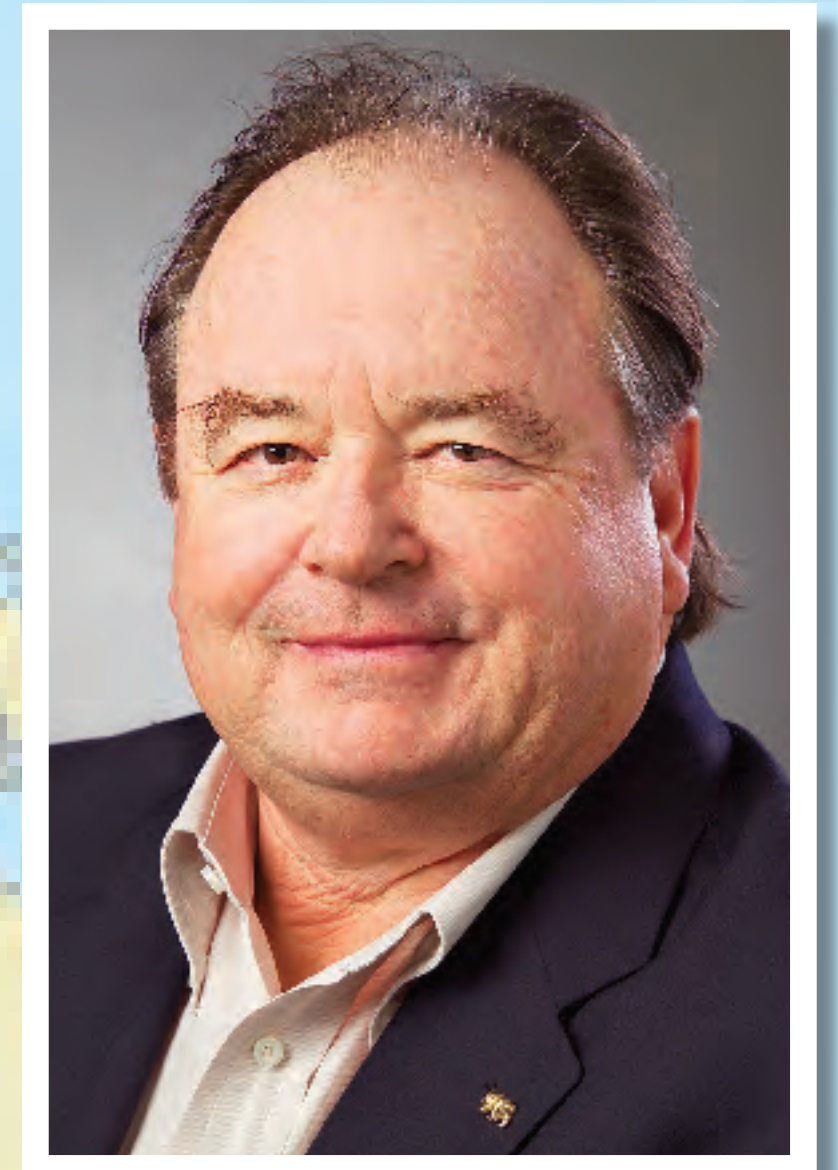
**Jack Gibson**  
Division I



**Monty Schmitt**  
Division II



**Cynthia Koehler**  
Division IV



**Larry Russell**  
Division V



**MARIN  
WATER**

# Board of Directors

**Ben Horenstein**  
General Manager

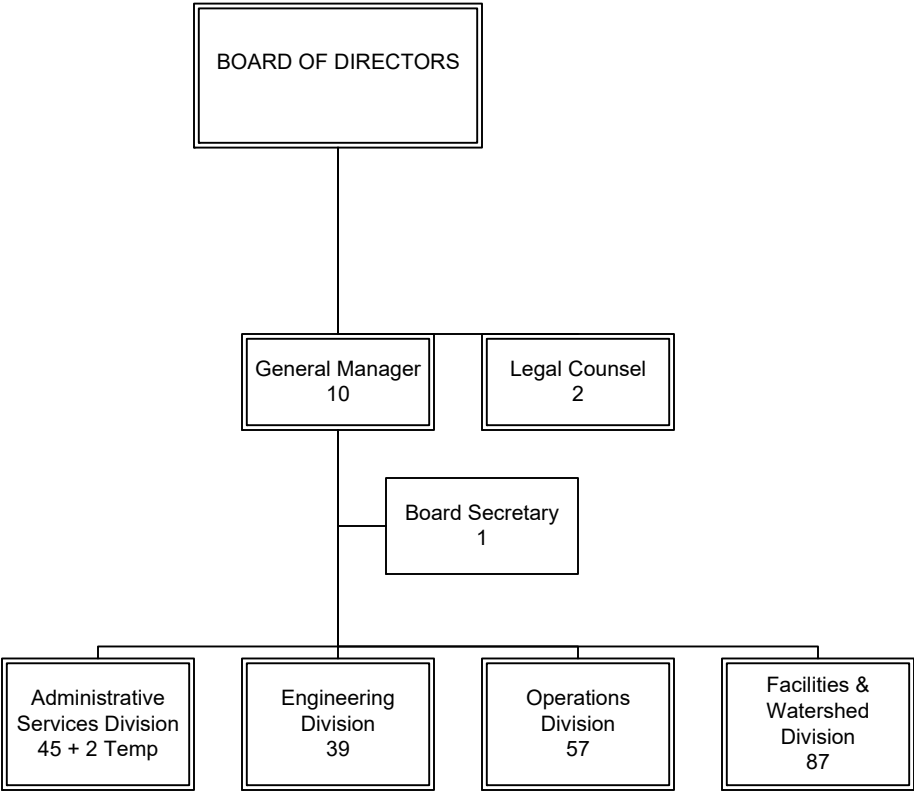




# Marin Municipal Water District

AUTHORIZED POSITIONS

	<u>2021/22</u>	<u>2022/23</u>
Full Time	241	242
Full Time Temporary	2	2
<b>TOTAL</b>	<b>243</b>	<b>244</b>





# MARIN MUNICIPAL WATER DISTRICT

## FINAL Fiscal Year 2021/2022 & 2022/2023 Operating & Capital Budget

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April 22, 2021

Honorable President and Members of the Board of Directors:

We are pleased to present the General Manager's recommended budgets for fiscal years 2021/22 (FY22) and 2022/2023 (FY23).

As the District enters its 110th year, we continue our commitment to provide excellent service to our customers, providing high-quality and reliable drinking water to 195,880 people in a 147 square-mile area of southern and central Marin County that includes ten towns and cities as well as unincorporated areas, and responsible stewardship of the Mt. Tamalpais Watershed, managing the 21,600 acres of watershed lands in a sustainable manner.

The District's current principal and interest debt obligation stands at \$276 million and will be satisfied in 2052. In 2019, the Board directed staff to pursue the refunding of the Series 2012 bonds in order to take advantage of the low interest rate environment. The result of that action is approximately \$500,000 annual savings in debt service beginning the FY23.

With an update to the 2017 Cost of Service Analysis (which produced the Updated 2019 COSA), the District instituted a Capital Maintenance Fee (CMF), generating \$16.5 million annually, to cash fund a significant portion of its capital improvements. Also as a result of the Updated 2019 COSA, the District's other rates, charges and fees were recommended to be increased to address inflationary and other cost escalators. On May 28, 2019, the District Board adopted Ordinance No. 442 which raised revenue 4% annually in each of the next four years by including increases to the Bi-Monthly Fixed Service Charge, Fixed Watershed Management Fee and Fixed Private Fire Service Line Charges; implementation of the Capital Maintenance Fee that will automatically increase or decrease according to the change in the Engineering News-Record Construction Cost Index and will not exceed 4% per annum; adjustments to the Tier Rates for all customer classes; changes to the Low Income Discount Program that enhance the availability of the program; and the creation of a Super Water Saver Program.

### **FY22 and FY23 Budget Summary and Highlights**

The budget is comprised of \$114.8 million in FY22 and \$116.1 million in FY23, for a two-year total of \$230.9 million. Combined expenses for FY22 and FY23 include operating

expenses of \$180.9 million (including \$19.9 million in debt service expenditures) and capital and Fire Flow projects of \$50 million. Combined projected revenues for FY22 and FY23 include water sales of \$175.4 million, other operating revenues of \$5.5 million, and fire flow fees of \$9 million. Capital projects will be funded primarily through a Capital Maintenance Fee producing approximately \$35.4 million over two years.

The District is working on a 10-year Financial Plan that will focus on capital and operational needs that will ensure we are able to provide for our customers need well into the future. The Plan is being developed in concert with the Board and the community and includes a detailed analysis of major asset classes, including the watershed, treatment plants, and pipelines and identifying alternative investment strategies to address needed long-term improvements to the District's water infrastructure system. This 10-Year Plan will be utilized as a foundation for the development of future budgets.

The following are highlights of the FY22/23 budget:

- Two additional Ranger positions were added in order to provide greater support to the Watershed
- Additional funding was provided to support the Fisheries Program at San Geronimo Creek and Lagunitas Creek
- \$300,000 support development of the Watershed Recreation Plan
- \$300,000 to study possible means to improve the control of algae in the lakes to help address seasonal taste and odors

The budget continues to maintain the Districts strong commitment to Water Conservation and pursuing needed capital maintenance and improvement, including funding for projects such as Mill Valley tank recoating, Smith Saddle tank refurbishment, and a water system master plan, among others.

**Table 1: FY22 and FY23 Budget Comparison**

Description	FY20 Actual	FY21 Adopted Budget	FY22 Budget Request	% Incr/De cr	FY23 Budget Request	% Incr/De cr
Personnel Services	\$50.8	\$52.6	\$53.8	2.3%	\$56.4	4.7%
General & Admin	8.5	4.8	5.4	12.4%	5.5	3.0%
Materials & Supplies	10.0	11.4	11.3	-0.7%	11.8	4.2%
Operations	10.3	11.9	13.2	11.5%	13.5	2.0%
Debt Service	10.2	10.2	10.2	-0.6%	9.7	-4.7%
Allocation to Capital	-4.5	-4.7	-5.2	10.6%	-4.7	-9.6%
<b>Total Operating Budget</b>	<b>\$85.3</b>	<b>\$86.2</b>	<b>\$88.7</b>	<b>2.9%</b>	<b>\$92.2</b>	<b>3.9%</b>



Capital & Fire Flow	16.2	21.7	26.1	20.3%	23.9	-8.4%
<b>Total Operating &amp; Capital Funds</b>	<b>\$101.5</b>	<b>\$107.9</b>	<b>\$114.8</b>	<b>6.4%</b>	<b>\$116.1</b>	<b>1.1%</b>

The District continues to assess work processes and procedures to identify opportunities that create operational efficiencies. The District's authorized full-time employee (FTE) position count for FY22 and FY23 will increase by one position per year, from a current level of 240 to 242.

### **Capital Improvement Program Budget**

The CIP Ten-Year Plan for FYs 2022 through 2031 anticipates a total investment of approximately \$257 million. This level of investment is consistent with the previous budget. As noted previously, the District is in the process of developing a 10-Year Financial Plan that will examine alternative investment strategies to address our aging infrastructure for the development of future budgets.

### **Conclusion**

The FY22/23 budget was developed with an eye on constrained resources in the coming years. The current drought will put additional strains on revenues and the District will likely need to both constrain expenditures in FY22 and utilize reserves, to address the reduction in revenues from conservation measures. While the District maintains healthy fund balances for such a revenue impairment, the operating budget will likely have to be adjusted over the next two year in response to drought conditions based on the actual drop in revenues. We believe that this budget balances resources and needs in manner that is financially responsible, and responsive to the needs of our customers.

Respectfully submitted,



Bennett Horenstein  
General Manager



Chuck McBride  
Finance Director/Treasurer

## GENERAL INFORMATION

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The Marin Municipal Water District (MMWD) is a special district that provides water service to residents residing within 147 square miles of Marin County, California, located immediately north of the Golden Gate Bridge and the City of San Francisco. The district is an independent agency that has no reporting responsibilities to either Marin City or Marin County. It serves a population of approximately 190,800 with the annual water demand averaging 24,700 acre feet (over the last five years), but the demand has historically been as high as 33,100 acre feet. MMWD's service area includes southern and central Marin County and ten (10) of the county's eleven (11) cities as well as substantial unincorporated open space area. The district is the oldest municipal water district in the State of California and is comprised of over 900 miles of water pipeline, three treatment plants including one plant for recycled water, seven reservoirs, 130 storage tanks, and over 60,000 service connections.

The district is governed by a five-member Board of Directors, each representing a district division. Directors serve overlapping four-year terms. The Board, in turn, elects one of its members to serve as Board President each year. The Board appoints the General Manager, Administrative Services Division Manager/Treasurer, Board Secretary and Legal Counsel, each of whom serves at the pleasure of the Board. The General Manager is the chief executive, and is responsible for hiring all Division Managers for each of the district functions and to administer the programs in accordance with the policies of, and the Annual Budget adopted by, the Board of Directors.

### WATER SUPPLY

Historically, the district's water supply comes primarily from rainfall runoff captured on the north slope of Mt. Tamalpais in the westerly slopes of the coastal range. District facilities, constructed in stages over the last 100 years, divert approximately two-thirds of the flow of Lagunitas Creek above Kent Lake and more than one-third of the flow of Nicasio Creek to developed areas of eastern Marin. The district's watershed drainage system has four creek units: Lagunitas Creek above Kent Lake, Nicasio Creek at Nicasio Dam, Ross Creek above Phoenix Lake and Walker Creek above Soulajule Reservoir. The district and its predecessor agencies have maintained rainfall records for a period over 130 years. Average annual precipitation varies across the drainage basins above the reservoirs from about 45 inches above Kent Lake to 34 inches on Walker Creek. Average annual net runoff (total runoff less losses) on the district's watershed lands is more than 75,000 acre feet. However, year-to-year net runoff figures vary significantly from a high net runoff in 1982/83 of approximately 213,000 acre feet to a low of approximately 3,000 acre feet in 1976/77. Today, about 75% of the potable water used by district customers comes from the local reservoir system.

The district has considerable stewardship responsibility for the aquatic species that reside in the streams below its reservoirs. In particular, the district must release water from its reservoirs to help sustain downstream fisheries. To meet the terms included in the district's water rights, an average of approximately 10,500 acre feet per year is released for that purpose.

In addition to the above described local water sources, since 1976 the district, has contracted for imported delivery from Sonoma County Water Agency (SCWA). A renewed agreement with SCWA was executed in June 2015; this agreement allows the district to continue taking delivery of up to 14,300 acre feet of water per year. The contract remains in effect until June 30, 2025, and includes a renewal

provision that will extend the agreement through June 30, 2040. In fiscal year 2018, the district produced approximately 27,000 acre feet of water for its customers, including approximately 5,600 acre feet of water imported from SCWA.

## **WATER SYSTEM & TREATMENT FACILITIES**

The district owns and operates water production, storage, treatment and distribution facilities to serve customers within its boundaries. MMWD's current water system consists of 80 square miles of watershed, seven reservoirs with a storage capacity of 79,566 acre feet (one acre foot is equal to 325,851 gallons, enough water to cover one acre to a depth of one foot), 908 miles of pipeline, 130 storage tanks, 97 pumping stations, three potable water treatment facilities, and one recycling facility. District owned land, including watershed, totals 22,450 acres. Five of the seven district reservoirs (Alpine, Bon Tempe, Kent, Lagunitas and Phoenix Lakes) are located on the north slope of Mt. Tamalpais. The other two (Nicasio and Soulajule) are outside the district's service area in western Marin County. Presented below are descriptions of the district's reservoirs:

- **Alpine Lake**, built in 1919 and has an arched concrete dam. The dam was raised in 1923 and 1941 to its present height and a total storage capacity of 8,891 acre feet.
- **Bon Tempe Lake** has an earth fill dam and was built in 1948 with a capacity of 4,017 acre feet.
- **Kent Lake** has an earth fill dam and was built in 1953. The structure was enlarged in 1982 to accommodate a total capacity of 32,895 acre feet.
- **Lake Lagunitas**, the oldest facility, has an earth fill dam built in 1872. Lake Lagunitas still maintains its original capacity of 350 acre feet.
- **Phoenix Lake**, has an earth fill dam, was constructed in 1905 and was significantly modified in 1968 and 1985. The last modification reduced the lake's capacity to 411 acre feet. It now serves primarily as a scenic resource for the community and is used as a water supply source only in very dry years.
- **Nicasio Reservoir** has an earth fill dam and was built in 1960, with a capacity of 22,430 acre feet.
- **Soulajule Reservoir** is impounded by an earth fill dam built in 1979 with a capacity of 10,572 acre feet.

The district operates three water treatment facilities: San Geronimo and Bon Tempe Plants, with 35 million gallons per day (mgd) and 20 mgd maximum capacity, respectively, treat water originating from the district reservoirs. Ignacio Pump Station, with 16 mgd maximum capacity, performs chemical treatment in a "polishing" operation on water received from Sonoma County Water Agency via the North Marin Intertie Pipeline.

## **FINANCIAL ORGANIZATION AND BUDGET PROCESS**

### **INTRODUCTION**

This section describes the district's financial structure, financial organization, and budget development process. It provides a financial overview, including how the budget is created.

### **FINANCIAL ORGANIZATION**

#### **Fund Structure and Descriptions**

The district's financial structure is based on proprietary and fiduciary funds. Overall district operations are reported as a single proprietary fund which uses an economic resources measurement focus and the accrual basis of accounting. The fund operates similar to business enterprises where the intent is that the expense of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges.

#### **Financial Reporting**

The district prepares its financial reports in conformity with generally accepted accounting principles (GAAP) and standards for financial reporting set forth by the Governmental Accounting Standards Board (GASB) on an accrual basis; revenues are recognized when earned and costs are recognized when a liability is incurred.

#### **Budgetary and Accounting Basis**

The district's basis of budgeting generally conforms to the GAAP basis of accounting used for financial reporting. Revenues are recorded when earned and expenses are recorded at the time commitments are incurred.

Depreciation and amortization are handled differently in financial and budgetary reporting. In financial reporting, depreciation and amortization are included, and the repayment of the principal on debt is not included. In budgetary reporting, depreciation and amortization are excluded, and the repayment of the principal on debt is included as an expense.

### **THE BUDGET PROCESS**

During the budget process, the district makes decisions on the efficient use of its resources. A financial plan and biennial budget is established that includes the operating and capital programs and sets levels of related operating, capital and debt service expenditures that may be made during the budget period.

The budget is developed to reflect the costs necessary to provide customers with safe and reliable water service over the long term while keeping rate increases as low as possible. The budget not only allocates resources, but is also used to develop rates and charges that provide adequate revenues to meet the district's needs, and encourages the efficient use of water.

Decisions on allocating resources and addressing budget needs do not end when the board adopts the budget. Throughout the year departments are responsible for implementing the budget and monitoring budget performance, responding to unforeseen or emergency

circumstances, and participating in long-range financial planning.

### **Balanced Budget**

The district budget is balanced when operating revenues are equal to or greater than operating expenditures including debt service but excluding depreciation and amortization (i.e., budgeted expenditures shall not exceed budgeted revenues).

### **Mid-Cycle Budget Update**

The Board of Directors approves the budget covering a two-year period. Prior to the start of the second year of the two-year budget on July 1, the Board will be presented a financial update including updates on projections for revenues, expenditures and staffing and review of the prior fiscal year results compared to budget.

### **Budgetary Controls**

The district-wide funds management system provides budgetary controls which monitors spending within budgeted amounts. Budgetary controls function differently for operating and capital budget expenditures.

For the operating budget, each department's expenditures is controlled within an expenditure category such as materials, supplies, freight and utilities, repairs and maintenance and professional services fees, for example. A department cannot exceed their authorized operating budget within an expenditure category or the total department budget for a fiscal year.

Capital project spending is controlled based on the funding source. There can be more than one project assigned to a funding source.

### **Budgetary Adjustments**

Reallocation of the operating budget for a department among its line item expenses allows the departments to have financial flexibility within the funds management system. Budget adjustments to a departmental budget are reallocations of funds between line item expenses and between fund centers. Approval from the affected department(s) and the Finance Manager are required for all departmental budget adjustments. General Manager approval is required for the reallocation of funds from between the operating and capital budgets and between departments. Overall increases to the operating or capital budgets require approval from the Board of Directors.

### **Capital Improvement Program**

The Capital Improvement Program (CIP) addresses the capital priorities of the district for the next ten years. The CIP is updated annually to reflect shifts in project priorities.

## **OUTSTANDING DEBT SUMMARY**

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The district's outstanding debt as of July 1, 2021 includes Revenue Bonds, Clean Renewable Energy Bonds (CREBs), Aqueduct Energy Efficiency Project Obligation, and Las Gallinas Valley Sanitary District (LGVSD) – Recycled Water Buy-in Obligation as described below.

### **WATER REVENUE BONDS**

As of July 2021, the district has three revenue bond issues outstanding; the 2012 Series A Water Revenue Bonds, the 2016 Refunding Revenue Bonds, and the Subordinate Revenue Bonds Series 2017 issued by the joint power authority, Marin Municipal Water District Financing Authority (Authority). The bonds are special limited obligations of the Authority payable from and secured by a pledge of the net revenue of the district per an installment sale agreement between the district and the Authority.

A portion of each issues' proceeds were used to fund additions, betterments, extensions and improvements to the district's water system, watershed improvement projects, water treatment and water quality projects, water distribution piping and related facility improvement projects, water storage projects and computer and technology system projects. For both issues, interest payments are payable semi-annually on January 1 and July 1 and principal payments are payable annually on July 1.

The 2012 Series A Water Revenue Bonds were issued in June 2012 in the amount of \$85,000,000 to refund the district's outstanding 2002 Water Revenue Bonds and a portion of the 2004 Certificates of Participation and to fund capital improvements to the district's water system. The refunding took advantage of lower interest rates which were available and resulted in reductions in debt service requirements over the life of the new debt generating \$4.4 million in interest expense savings. Total proceeds received from the bond issue for funding district capital improvements, was \$54.6 million.

On January 29, 2020, the Series 2022 Bonds were issued to refund \$67.5 million of the Series A 2012 Bonds maturing from 2023 through 2052 through the Forward Bond Purchase Agreement with Morgan Stanley which locked in the interest rates as of January 29, 2020, with settlement and delivery of the Bonds scheduled to occur on April 4, 2022. The 26-month forward delivery structure enables a tax-exempt current refunding of the Series A 2012 Bonds at their July 1, 2022 call date. The Series 2022 Tax-Exempt Bonds will generate \$10.6 million of net present value savings.

The 2016 Refunding Revenue Bonds were issued in November 2016, in the amount of \$31,380,000, to refund the district's outstanding 2010 Series A Water Revenue Bonds. The refunding took place to restructure the debt service requirements and deferred the first principal payment to 2030 generating cash flow saving of \$1.9 million. The proceeds received from the refunding bond issue was \$35.2 million and were held in an escrow account until the 2010 Water Revenue Bonds were redeemed in 2020.

On August 1, 2017, the Marin Municipal Water District Financing Authority Subordinate Revenue Bonds, Series 2017 were issued in the amount of \$36,120,000. The bond sale raised \$42 million with \$6 million net premium for the District's capital improvement program. The bonds were issued with average coupon rate is 4.846% and scheduled to fully mature on July 1, 2047.

As of June 30, 2021 the outstanding principal balances for 2012 Series A Water Revenue Bonds, 2016 Refunding Revenue Bonds, 2017 Series Subordinate Revenue Bonds are \$74,415,000, \$31,380,000, and \$33,500,000 respectively.

### **CLEAN RENEWABLE ENERGY BONDS**

In September 2008, the district issued Clean Renewable Energy Bonds (CREBs) for the installation of solar panels on the district's administration and corporate yard buildings. The CREBs were authorized by the Internal Revenue Service and are structured so that bondholders receive a federal income tax credit in lieu of interest. The total principal amount of the CREBs issued for both projects was \$1,956,000. The debt service is paid annually over 15 years in the amount of \$122,250, principal only. The installment payments are payable from the net revenue of the district. As of June 30, 2021 the outstanding principal balance is \$366,750.

## **AQUEDUCT ENERGY EFFICIENCY PROJECT OBLIGATION (AEEP)**

On February 5, 2015, the District entered into an agreement with the North Marin Water District to pay 51% (\$3,662,882) of the final actual costs of \$7,103,691 for the Aqueduct Energy Efficiency Project which would upsize the North Marin Aqueduct from Kastania Pump Station to Redwood Landfill road. Marin Municipal Water District takes delivery of Agency water through a connection to an Aqueduct in Northern Novato. Part of the Aqueduct was replaced under the Marin-Sonoma Narrows High Occupancy Vehicle Widening project, a joint project between Caltrans and the Federal Highway Administration. The relocation and replacement of the Aqueduct is called the Aqueduct Energy Efficiency Project, which includes relocation and replacement of 24,000-feet of Aqueduct with a larger diameter pipe. Marin Municipal Water District is obligated to make payments in the amount of \$205,306 to the North Marin Water District, each July 1, from 2015 through 2032 as fair compensation for the capital cost. As of June 30, 2021 the outstanding principal balance is \$1,930,238.

## **LAS GALLINAS VALLEY SANITARY DISTRICT (LGVSD) – RECYCLED WATER BUY-IN OBLIGATION**

On April 1, 2017, the District entered into an agreement with the Las Gallinas Valley Sanitary District (LGVSD) to pay 10.5% of the final actual costs currently estimated at \$41,000,000 of the Recycled Water Treatment Facility (RWTF). LGVSD operates an existing recycled water treatment facility that was initially constructed in 2011 and currently provides recycled water to the North Marin Water District (NMWD). The NMWD also reimburses the LGVSD for its proportional share of the initial construction costs it incurred in 2011 for the construction of the original facility (Buy-In). The District's proportional share of initial construction costs is determined at \$4,023,647. In addition, the District agreed to pay \$2,049,595 for the recycled water right. The District is obligated to make payments in the amount of \$463,000 annually from 2017 through 2031. The annual payment will then be reduced to \$256,000 from 2032 through 2042 as fair compensation for the water treatment facility capital cost and the recycled water right. As of June 30, 2021 the outstanding principal balance is \$4,639,577.

### **SUMMARY OF OUTSTANDING DEBT AS OF JUNE 30, 2021**

	<b>Interest Rate</b>	<b>Final Maturity</b>	<b>Principal Balance</b>
2012 Water Revenue Bonds	2.00% – 5.00%	2052	\$74,415,000
2016 Refunding Revenue Bonds	4.50% - 5.00%	2040	31,380,000
2017 Subordinate Revenue Bonds	2.00% – 5.00%	2047	33,500,000
Clean Renewable Energy Bonds	Tax Credit	2023	366,750
AEEP Obligation		2032	1,930,238
LGVSD Obligation		2042	<u>4,639,577</u>
<b>TOTAL</b>			<b><u>\$146,231,565</u></b>

The district is subject to certain debt covenants, the most restrictive of which requires the setting of rates and charges to yield net revenue equal to at least 125 percent of the current annual debt service requirement of the revenue bonds and other parity debt, as well as the establishment of certain principal, interest and reserve funds. The 2012 Revenue Bonds, 2016 Refunding Bonds, and 2017 Subordinate Revenue Bonds are collateralized by a pledge of the district's net revenues of Water Systems, as defined in the Master Indenture.



## **SOURCES OF DEBT SERVICE PAYMENTS**

The district's primary source of revenue is water sales, followed by service charges, connection charges and interest. The district has the power and is mandated to establish rates and charges for water service as necessary to meet all of its expenses and obligations including debt service on existing revenue bonds, coverage requirements, and installment payments.

The outstanding revenue bonds have a first lien on net revenues. Net revenues are all enterprise revenues after deducting all maintenance and operation costs, plus connection charges after deducting all costs of making the connections for which such charges are payable.

MMWD's current water rates are designed to fund all district expenses, including operation and maintenance, debt service and meet debt coverage requirements.

## **WATER RATES AND CHARGES**

The district has the authority under California law to establish charges for service without the review and approval of any other government body, but is required to initiate public notification through the Proposition 218 process. The district's rates and charges are established by ordinance approved by the Board of Directors. The district has the right to refuse or terminate water service to delinquent customers and to require full payment of delinquent amounts and reconnection charges to resume service.

## **TYPICAL WATER BILLS**

A typical bimonthly water bill for a residential customer using 17 CCF of water is \$160.69, as of July 1, 2021, which includes a fixed bi-monthly service charge of \$42.90, watershed management fee of \$11.14, and capital maintenance fee of \$29.47. Average residential consumption in winter is 17 CCFs bimonthly.

A typical bimonthly water bill for a residential customer using 21 CCF of water is \$178.85, as of July 1, 2021, which includes a fixed bi-monthly service charge of \$42.90, watershed management fee of \$11.14, and capital maintenance fee of \$29.47. Average residential consumption in summer is 21 CCFs bimonthly.

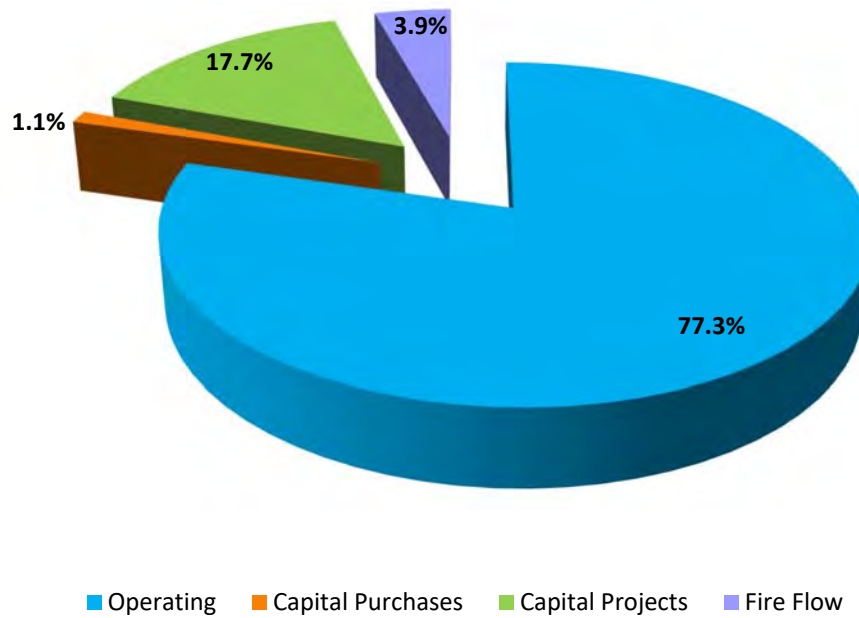
**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPEDITURES**  
**ALL DEPARTMENTS**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget	2022 Proposed	Increase (Decrease)	2023 Proposed	Increase (Decrease)
4100	Regular Salaries & Wages	\$ 25,658,205	\$ 26,736,398	\$ 27,745,763	\$ 28,236,923	1.77%	\$ 29,325,957	3.86%
4110	Overtime & Standby	\$ 1,118,583	\$ 1,152,183	\$ 1,015,522	\$ 1,020,808	0.52%	\$ 1,024,297	0.34%
4190	Temporary	\$ 363,155	\$ 298,960	\$ 477,514	\$ 483,454	1.24%	\$ 492,506	1.87%
4170	Director Fees	\$ 61,200	\$ 53,460	\$ 77,200	\$ 60,000	-22.28%	\$ 61,000	1.67%
4195	Contract Help	\$ 611,621	\$ 444,660	\$ 345,031	\$ 353,888	2.57%	\$ 383,136	8.26%
4200	Fringe Benefits	\$ 20,160,264	\$ 22,114,267	\$ 22,969,846	\$ 23,686,529	3.12%	\$ 25,061,502	5.80%
	<b>Personnel Services</b>	<b>47,973,028</b>	<b>50,799,927</b>	<b>52,630,875</b>	<b>53,841,603</b>	2.30%	<b>56,348,399</b>	4.66%
4500	Fees & Subscriptions	\$ 506,729	\$ 343,238	\$ 614,514	\$ 586,392	-4.58%	\$ 588,992	0.44%
5200	Communications & Freight	\$ 439,416	\$ 435,053	\$ 575,846	\$ 594,306	3.21%	\$ 599,783	0.92%
5400	Taxes, Fees & Licenses	\$ 1,269,777	\$ 1,512,341	\$ 1,571,611	\$ 1,883,850	19.87%	\$ 1,969,460	4.54%
5500	Insurance	\$ 1,042,521	\$ 5,543,182	\$ 1,180,000	\$ 1,425,500	20.81%	\$ 1,463,000	2.63%
5600	Misc Expenses	\$ 296,360	\$ 667,931	\$ 821,156	\$ 864,930	5.33%	\$ 894,655	3.44%
	<b>General &amp; Admin</b>	<b>3,554,802</b>	<b>8,501,744</b>	<b>4,763,127</b>	<b>5,354,978</b>	12.43%	<b>5,515,890</b>	3.00%
4600	Supplies	\$ 416,323	\$ 443,497	\$ 515,197	\$ 586,724	13.88%	\$ 562,574	-4.12%
4700	Materials	\$ 733,463	\$ 739,733	\$ 820,150	\$ 887,950	8.27%	\$ 899,500	1.30%
4900	Chemicals	\$ 1,223,717	\$ 1,479,708	\$ 1,709,519	\$ 1,764,446	3.21%	\$ 1,930,190	9.39%
5000	Water Purchases	\$ 6,966,684	\$ 7,313,211	\$ 8,375,000	\$ 8,100,000	-3.28%	\$ 8,424,000	4.00%
	<b>Materials &amp; Supplies</b>	<b>9,340,188</b>	<b>9,976,149</b>	<b>11,419,866</b>	<b>11,339,120</b>	-0.71%	<b>11,816,264</b>	4.21%
5100	Automotive	\$ 237,962	\$ 324,327	\$ 623,700	\$ 712,500	14.24%	\$ 739,000	3.72%
5800	Construction Contracts	\$ 1,409,605	\$ 1,437,588	\$ 1,130,000	\$ 1,820,000	61.06%	\$ 1,925,000	5.77%
5900	Equipment Rental	\$ 196,935	\$ 831,654	\$ 787,183	\$ 502,950	-36.11%	\$ 507,000	0.81%
6000	Conservation	\$ 120,394	\$ 48,251	\$ 443,500	\$ 331,000	-25.37%	\$ 341,000	3.02%
6200	Professional Fees	\$ 1,799,411	\$ 1,527,672	\$ 1,509,237	\$ 2,161,357	43.21%	\$ 2,025,370	-6.29%
6300	Repair & Maintenance	\$ 2,024,483	\$ 1,203,724	\$ 2,015,689	\$ 2,064,547	2.42%	\$ 2,048,577	-0.77%
6500	Small Tools & Equipment	\$ 226,958	\$ 154,349	\$ 135,850	\$ 157,980	16.29%	\$ 164,110	3.88%
6600	Utilities	\$ 3,975,944	\$ 4,793,264	\$ 5,214,145	\$ 5,475,922	5.02%	\$ 5,744,356	4.90%
	<b>District Operations</b>	<b>9,991,692</b>	<b>10,320,830</b>	<b>11,859,304</b>	<b>13,226,256</b>	11.53%	<b>13,494,413</b>	2.03%
5300	Debt Service	\$ 10,227,689	\$ 10,227,689	\$ 10,241,859	\$ 10,184,004	-0.56%	\$ 9,706,507	-4.69%
4400	Allocation to Capital	\$ (4,536,728)	\$ (4,498,810)	\$ (4,700,000)	\$ (5,197,000)	10.57%	\$ (4,700,000)	-9.56%
	<b>Total Operating Expenditures</b>	<b>76,550,671</b>	<b>85,327,530</b>	<b>86,215,032</b>	<b>88,748,961</b>	2.94%	<b>92,181,473</b>	3.87%
8000	Capital Purchases	\$ 856,016	\$ 496,937	\$ 1,330,364	\$ 1,301,909	-2.14%	\$ 1,299,770	-0.16%
	<b>Capital Expenditures</b>	<b>17,724,315</b>	<b>15,694,220</b>	<b>20,349,636</b>	<b>24,795,091</b>	21.85%	<b>22,622,230</b>	-8.76%
	<b>TOTAL:</b>	<b>95,131,003</b>	<b>101,518,687</b>	<b>107,895,032</b>	<b>114,845,961</b>	6.44%	<b>116,103,473</b>	1.09%

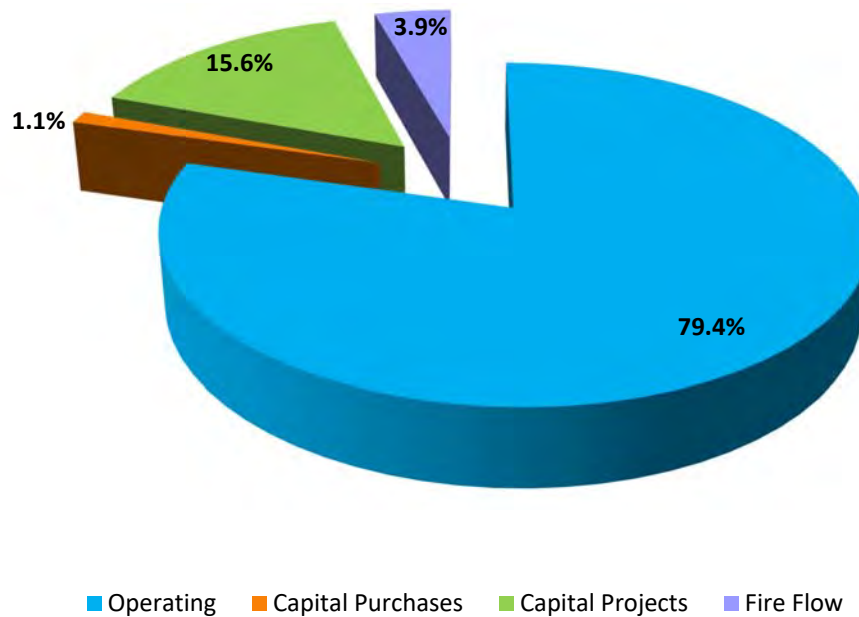
**MARIN MUNICIPAL WATER DISTRICT**  
**Comparative Revenues**  
**Operating, Capital and Fire Flow Funds**  
**Year Ending June 30th**

Description	Actual FY 2018/19	Actual FY 2019/2020	Estimated FY 2020/2021	Projected FY 2021/22	Projected FY 2022/23
<b>Operating Fund</b>					
Water Sales:					
Water Sales	52,832,678	56,288,979	60,033,412	58,483,079	60,881,258
Service Charge	18,708,397	20,242,669	21,615,636	22,481,250	23,381,979
Watershed Protection Fee	4,350,066	4,545,973	4,812,130	5,005,772	5,207,474
<b>Total Water Sales</b>	<b>75,891,140</b>	<b>81,077,620</b>	<b>86,461,178</b>	<b>85,970,101</b>	<b>89,470,711</b>
Other Revenues:					
Rents and Royalties	653,154	666,903	666,903	666,903	666,903
Late Payment Charge	196,614	165,179	-	-	-
Special Read Charge	134,154	120,133	120,133	120,133	120,133
Grants	12,154	173,811	-	-	-
Watershed Payments	371,983	335,116	365,116	365,116	365,116
Watershed Rents and Royalties	929,758	939,166	939,166	939,166	939,166
Miscellaneous	110,099	192,423	350,647	350,647	350,647
<b>Total Other Revenues</b>	<b>2,407,916</b>	<b>2,592,731</b>	<b>2,441,965</b>	<b>2,441,965</b>	<b>2,441,965</b>
Interest Revenue	1,616,723	1,665,884	331,083	336,497	286,804
<b>Total Operating Fund</b>	<b>79,915,780</b>	<b>85,336,236</b>	<b>89,234,226</b>	<b>88,748,563</b>	<b>92,199,480</b>
<b>Capital and Fire Flow Funds</b>					
Other Revenues:					
Connection Charges	1,178,784	810,182	710,182	710,182	710,182
Interest Income	39,317	40,894	15,000	15,000	10,000
<b>Total Other Revenues</b>	<b>1,218,101</b>	<b>851,076</b>	<b>725,182</b>	<b>725,182</b>	<b>720,182</b>
Contributed Capital:					
Fire Flow	4,523,545	4,526,791	4,500,000	4,500,000	4,500,000
Capital Maintenance Fee		14,576,055	16,220,878	17,370,793	18,065,625
Connection Fees	292,273	430,861	100,000	100,000	100,000
Capital Grants	753,680	668,819	-	-	-
<b>Total Contributed Capital</b>	<b>5,569,498</b>	<b>20,202,526</b>	<b>20,820,878</b>	<b>21,970,793</b>	<b>22,665,625</b>
<b>Total Capital and Fire Flow Funds</b>	<b>6,787,599</b>	<b>21,053,602</b>	<b>21,546,060</b>	<b>22,695,975</b>	<b>23,385,807</b>
<b>Total Revenues</b>	<b>86,703,378</b>	<b>106,389,838</b>	<b>110,780,286</b>	<b>111,444,538</b>	<b>115,585,287</b>

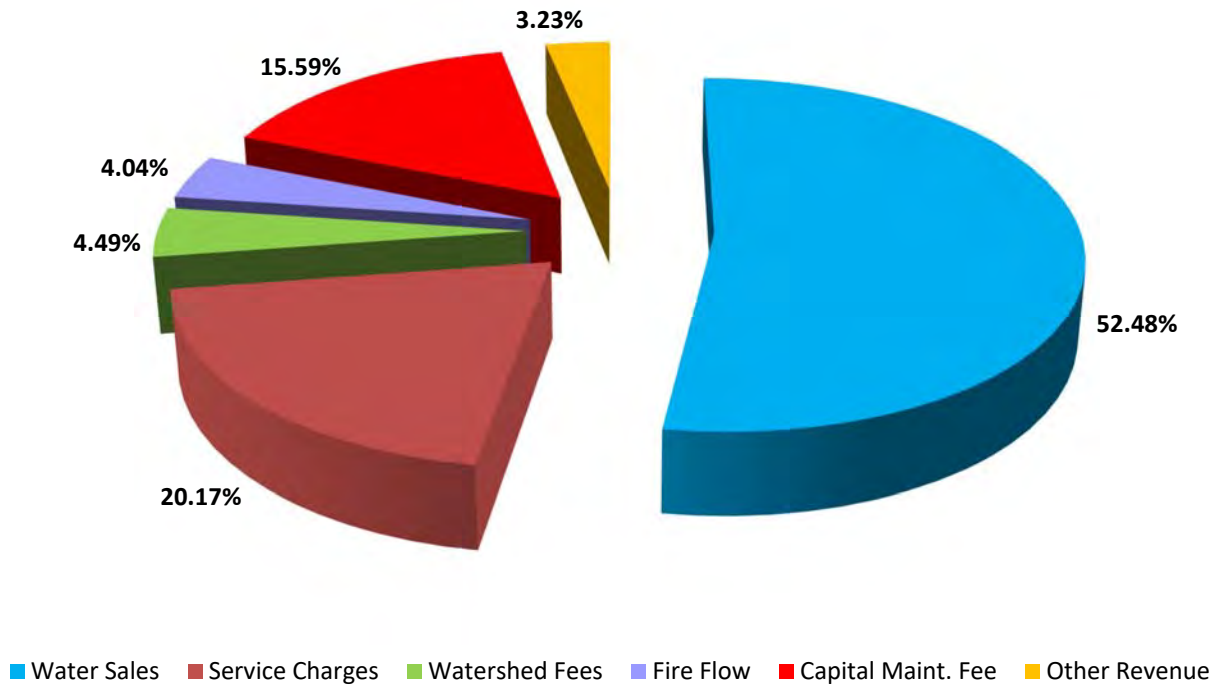
**Total Expenditures Budget FY 2022**  
**\$114,845,961**



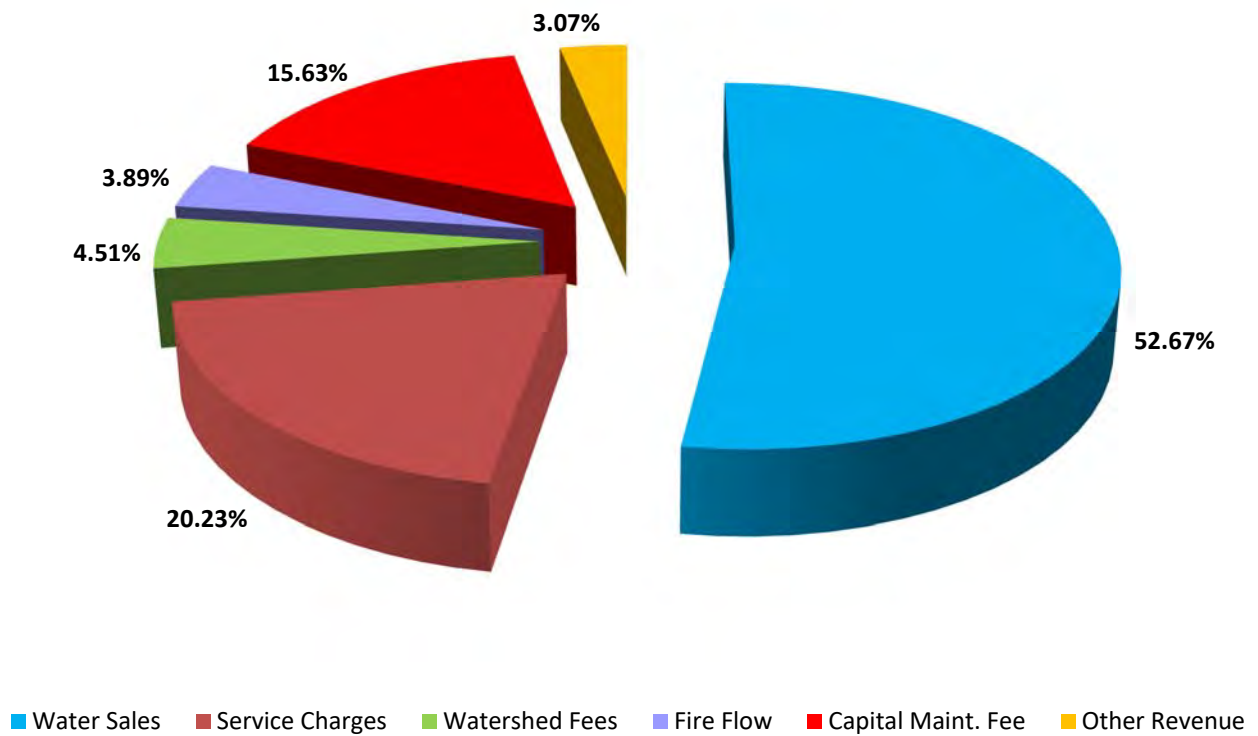
**Total Expenditures Budget FY 2023**  
**\$116,103,473**



**Total Revenues FY 2022**  
**\$111,444,538**



**Total Revenues FY 2023**  
**\$115,585,287**



# Marin Municipal Water District

## EXPENSES BY FUNCTION

Last seventeen fiscal years, including projection for fiscal 2022 & 2023

Year Ended June 30	(1) Total	Finance & Administration	Engineering & Operations	Facilities & Watershed
2007	\$ 78,190,795	27,958,678	36,553,615	13,678,502
2008	\$ 79,006,918	29,083,716	36,896,489	13,026,713
2009	\$ 89,197,957	31,831,289	42,462,362	14,904,307
2010	\$ 87,069,705	34,835,637	39,085,421	13,148,647
2011	\$ 83,334,971	41,761,051	29,901,108	11,672,812
2012	\$ 79,391,307	40,636,848	27,100,883	11,653,576
2013	\$ 89,244,978	44,753,795	31,941,155	12,550,028
2014	\$ 91,800,210	48,229,588	30,760,081	12,810,541
2015	\$ 84,733,661	32,885,436	36,538,352	15,309,873
2016	\$ 80,502,266	32,355,720	32,624,270	15,522,276
2017	\$ 87,280,935	34,399,807	36,871,929	16,009,199
2018	\$ 96,758,504	40,551,955	40,180,278	16,026,271
2019	\$ 95,131,003	40,176,363	36,083,859	18,870,781
2020	\$ 101,518,687	46,803,379	35,985,934	18,729,374
2021 (3)	\$ 107,895,032	45,511,740	40,727,858	21,655,434
2022 (2)	\$ 114,845,961	44,886,133	47,060,392	22,899,436
2023 (2)	\$ 116,103,473	46,085,714	45,723,040	24,294,719

(1) Includes capitalized expenditures

(2) Proposed budget

(3) Approved budget

**Marin Municipal Water District**

**REVENUE BY SOURCE**

Last eleven fiscal years, including projections for fiscal 2022 & 2023

Year Ended June 30	Total	Water Sales	Service Charge	Watershed Management Fee	Capital Maintenance Fee	Interest Income	Fire Flow Parcel Fee	Other
2005	53,827,306	35,106,514	7,432,686			3,154,354	4,493,532	3,640,220
2006	54,210,388	35,288,474	7,463,215			2,698,064	4,501,377	4,259,258
2007	61,966,512	39,462,839	7,559,438			2,488,169	4,507,996	7,948,070
2008	63,196,220	41,305,864	7,845,377			2,134,914	4,510,433	7,399,631
2009	63,134,332	42,628,226	8,173,977			1,380,137	4,502,860	6,449,132
2010	61,703,446	41,557,677	8,553,515			440,623	4,467,137	6,684,494
2011	63,506,733	45,101,916	8,867,457			237,886	4,483,662	4,815,812
2012	66,837,996	48,069,979	9,207,815			124,337	4,523,329	4,912,536
2013	74,641,897	55,125,168	9,805,521			132,261	4,540,389	5,038,558
2014	76,536,722	54,840,298	9,837,195			147,055	4,524,178	7,187,996
2015	67,203,721	47,239,262	9,878,268			171,393	4,511,604	5,403,194
2016	68,077,139	44,206,306	11,996,081	1,244,800		229,316	4,511,652	5,888,984
2017	77,640,098	46,524,376	16,851,837	3,884,640		39,317	4,523,545	5,816,383
2018	87,541,145	53,888,080	18,291,565	4,259,747		40,894	4,526,791	6,534,068
2019	86,703,378	52,832,678	18,708,397	4,350,066		39,317	4,523,545	6,249,375
2020	106,389,838	56,288,979	20,242,669	4,545,973	14,576,055	40,894	4,526,791	6,168,477
2021	110,780,286	60,033,412	21,615,636	4,812,130	16,220,878	15,000	4,500,000	3,583,230 b
2022	111,444,538	58,483,079	22,481,250	5,005,772	17,370,793	15,000	4,500,000	3,588,644 c
2023	115,585,287	60,881,258	23,381,979	5,207,474	18,065,625	10,000	4,500,000	3,538,951 c

b Estimated

c Proposed budget, including rate increase and Capital Maintenance Fee



## MARIN MUNICIPAL WATER DISTRICT

## Fund Balance

Year Ending June 30th

Operating Fund	Actual FY2018/19	Actual FY2019/20	Estimated FY2020/21	Proposed FY2021/22	Proposed FY2022/23
<b>Beginning Balance</b>	\$ 20,264,665	\$ 27,359,341	\$ 26,162,068	\$ 34,000,000	\$ 34,000,000
Total Revenue	<u>81,228,204</u>	<u>82,949,218</u>	<u>89,234,226</u>	<u>88,748,563</u>	<u>92,199,480</u>
<b>Total Available Funds</b>	<b>101,492,869</b>	<b>110,308,559</b>	<b>115,396,294</b>	<b>122,748,563</b>	<b>126,199,480</b>
Less Operating Expenses	(75,956,413)	(86,479,410)	(87,428,238)	(88,748,961)	(92,181,473)
Less Transfer to Capital	-	-			
Less Transfer to Rate Stabilization	-	-			
Less Transfer to Pension Reserve	(2,000,000)	-			
Accrual adjustments	<u>3,822,885</u>	<u>2,332,919</u>	<u>6,031,944</u>	<u>398</u>	<u>(18,007)</u>
<b>Ending Balance</b>	<b>\$ 27,359,341</b>	<b>\$ 26,162,068</b>	<b>\$ 34,000,000</b>	<b>\$ 34,000,000</b>	<b>\$ 34,000,000</b>

Capital Fund	Actual FY2018/19	Actual FY2019/20	Estimated FY2020/21	Proposed FY2021/22	Proposed FY2022/23
<b>Beginning Balance</b>	\$ 37,040,971	\$ 23,957,026	\$ 25,255,175	\$ 21,680,000	\$ 20,000,000
Total Revenue	<u>2,343,125</u>	<u>17,177,529</u>	<u>17,046,060</u>	<u>18,195,975</u>	<u>18,885,807</u>
<b>Total Available Funds</b>	<b>39,384,096</b>	<b>41,134,555</b>	<b>42,301,235</b>	<b>39,875,975</b>	<b>38,885,807</b>
Less Capital Improvements	(13,414,146)	(14,568,397)	(20,000,000)	(20,295,091)	(18,122,230)
Less Capital Purchase	(854,502)	(496,937)	(2,300,000)	(1,301,909)	(1,299,770)
Add Transfer from Operating	-	-	-	-	-
Add Proceeds from Loans/Bonds	-	-			
Accrual adjustments	<u>(1,158,422)</u>	<u>(814,046)</u>	<u>1,678,765</u>	<u>1,721,025</u>	<u>836,193</u>
<b>Ending Balance</b>	<b>\$ 23,957,026</b>	<b>\$ 25,255,175</b>	<b>\$ 21,680,000</b>	<b>\$ 20,000,000</b>	<b>\$ 20,300,000</b>

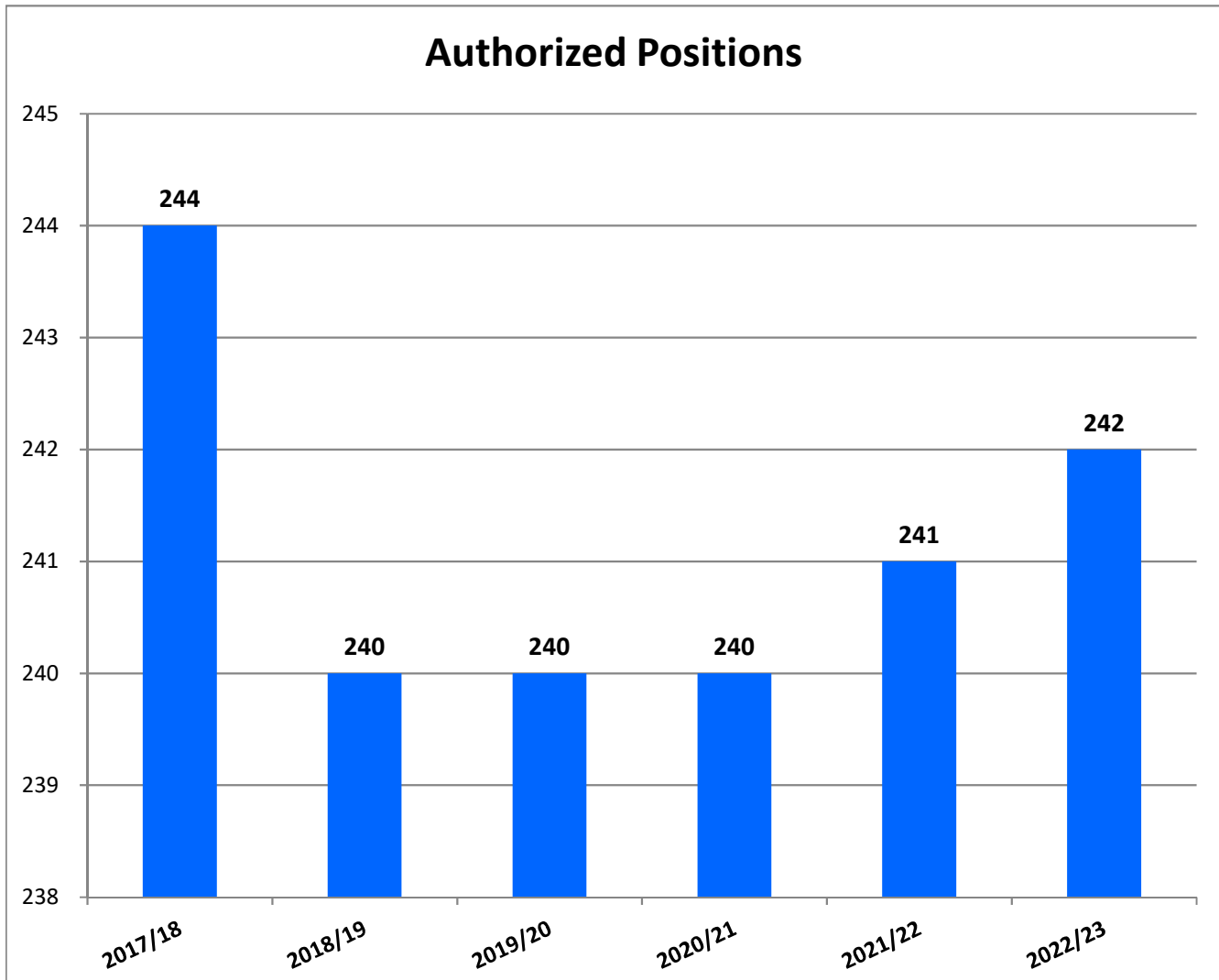
Fire Flow Fund	Actual FY2018/19	Actual FY2019/20	Estimated FY2020/21	Proposed FY2021/22	Proposed FY2022/23
<b>Beginning Balance</b>	\$ (1,973,265)	\$ (1,363,318)	\$ 2,021,206	\$ 3,021,206	\$ 3,021,206
Total Revenue	<u>4,526,384</u>	<u>4,520,242</u>	<u>4,500,000</u>	<u>4,500,000</u>	<u>4,500,000</u>
<b>Total Available Funds</b>	<b>2,553,119</b>	<b>3,156,924</b>	<b>6,521,206</b>	<b>7,521,206</b>	<b>7,521,206</b>
Less Fire Flow Projects	(3,529,292)	(1,125,823)	(3,500,000)	(4,500,000)	(4,500,000)
Accrual adjustment	<u>(387,145)</u>	<u>(9,895)</u>	<u>-</u>	<u>-</u>	<u>-</u>
<b>Ending Balance</b>	<b>\$ (1,363,318)</b>	<b>\$ 2,021,206</b>	<b>\$ 3,021,206</b>	<b>\$ 3,021,206</b>	<b>\$ 3,021,206</b>

	Actual FY2018/19	Actual FY2019/20	Estimated FY2020/21	Proposed FY2021/22	Proposed FY2022/23
Restricted	\$ 7,653,646	\$ 6,959,570	\$ 7,306,608	\$ 7,306,608	\$ 7,190,929
Board Designated	6,643,705	14,239,307	\$ 14,300,000	\$ 14,300,000	\$ 14,300,000
Rate Stabilization Fund	9,400,000	9,400,000	9,400,000	9,400,000	9,400,000
Pension Reserve Fund	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Fire Flow Fund	(1,363,318)	2,021,206	3,021,206	3,021,206	3,021,206
Capital (including bond proceeds)	23,957,026	25,255,175	21,680,000	20,053,118	20,260,896
<b>Unrestricted - Operating</b>	<b>27,359,341</b>	<b>26,162,068</b>	<b>34,000,000</b>	<b>34,000,000</b>	<b>34,000,000</b>
<b>Total</b>	<b>\$ 75,650,400</b>	<b>\$ 86,037,326</b>	<b>\$ 91,707,814</b>	<b>\$ 90,080,932</b>	<b>\$ 90,173,031</b>

<b>Months Reserve</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>3</b>
<b>Debt Coverage Ratio</b>	<b>1.39</b>	<b>2.10</b>	<b>3.00</b>	<b>3.00</b>	<b>3.50</b>

## FULL TIME PERMANENT POSITIONS

	<u>2020/21</u>	<u>2021/22</u>	<u>2022/23</u>
Beginning Total	240	241	242
<b>Total Requested Full Time Permanent Positions</b>	<b><u>240</u></b>	<b><u>241</u></b>	<b><u>242</u></b>



**Marin Municipal Water District  
SUMMARY OF WATER RATES  
Effective April 9, 2021**

Rates cover the cost of water transmission, treatment, distribution, watershed maintenance, importing water, and recycling water. Billing unit of water is equal to 100 cubic feet (CCF), or 748 gallons.

<b>Rate per TIERED WATER RATES (\$/CCF)</b>	<b>Winter ( Dec - May) (CCF)</b>	<b>Summer ( June - Nov.) (CCF)</b>
<b>Single-Family</b>		
Tier 1 .....	0-21	0-26
Tier 2 .....	22-48	27-59
Tier 3 .....	49-80	60-99
Tier 4 .....	81 and over	100 and over
<b>Single-Family with two legal living units and duplexes</b>		
Tier 1 .....	0-18	0-20
Tier 2 .....	19-35	21-45
Tier 3 .....	36-68	46-78
Tier 4 .....	69 and over	79 and over
<b>Multi-Family (per dwelling unit)</b>		
Tier 1 .....	0-10	0-10
Tier 2 .....	11-18	11-20
Tier 3 .....	19-26	21-28
Tier 4 .....	27 and over	29 and over
<b>Business, Institutional and Irrigation Customers (% of baseline)</b>		
Tier 1 .....	0-85%	0-85%
Tier 2 .....	86-150%	86-150%
Tier 3 .....	over 150%	over 150%
<b>Recycled Water Customers (% of baseline)</b>		
Tier 1 .....	0-100%	0-100%
Tier 2 .....	101-150%	101-150%
Tier 3 .....	over 150%	over 150%

The bi-monthly service charge is based on meter size and covers the cost of meter reading and billing, customer service, meter replacement and repair, water conservation, and administration. The bi-monthly watershed management fee covers a partial cost of watershed maintenance. The bi-monthly Capital Maintenance Fee is to fund ongoing capital infrastructure improvements and support debt service.

<b>Meter Size</b>	<b>Service Charge</b>	<b>Watershed Mngmt Fee</b>	<b>Capital Maintenance Fee</b>
5/8"	\$ 41.25	\$ 10.71	\$ 28.34
3/4"	52.77	12.80	42.50
1"	75.81	16.96	70.84
1-1/2"	133.41	27.37	141.69
2"	202.51	39.86	226.71
3"	421.38	79.42	495.92
4"	743.92	137.72	892.67
6"	1,630.88	298.04	1,983.72
8"	2,782.78	506.25	3,400.65
10"	4,395.45	797.74	5,384.38

The logo of the Marin Municipal Water District is a circular emblem. It features a light blue outer ring. Inside the ring, there is a green mountain range with a textured, stippled appearance. Below the mountains, there are three wavy, light blue lines representing water. The text "MARIN MUNICIPAL WATER DISTRICT" is written in a bold, black, sans-serif font across the top half of the emblem, and "DIVISIONAL SUMMARIES" is written in the same font across the middle, over the mountain range.

# MARIN MUNICIPAL WATER DISTRICT

## DIVISIONAL SUMMARIES

**OPERATING BUDGET COMPARATIVE EXPEDITURES**

**BOARD OF DIRECTORS 1110**

**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2021				
		2019 Actual	2020 Actual	Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages					
4110	Overtime					
4190	Temporary					
4170	Director Fees	61,200	53,460	77,200	60,000	61,000
4195	Contract Help					
4200	Fringe Benefits	89,498	87,551	97,000	122,490	128,475
	Personnel Services	\$ 150,698	\$ 141,011	\$ 174,200	\$ 182,490	\$ 189,475
4500	Fees & Subscriptions	6,915	6,087	6,375	6,375	6,375
5200	Communications & Freight	2,598	2,282	2,900	2,900	2,900
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	-	100	-	-
	General & Admin	\$ 9,513	\$ 8,370	\$ 9,375	\$ 9,275	\$ 9,275
4600	Supplies	-	-	-	-	-
4700	Materials					
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	-	-	-	-	-
	Materials & Supplies	\$ -	\$ -	\$ -	\$ -	\$ -
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	District Operations	\$ -	\$ -	\$ -	\$ -	\$ -
5300	Debt Service	-	-	-	-	-
	Allocation to Capital	-	-	-	-	-
	Total Operating Expenses	\$ 160,211	\$ 149,381	\$ 183,575	\$ 191,765	\$ 198,750
8000	Capital Purchases	-	-	-	-	-
	Total Operating, Capital and Fire Flow	\$ 160,211	\$ 149,381	\$ 183,575	\$ 191,765	\$ 198,750

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES**

**LEGAL 1210**

**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	407,496	353,772	427,153	441,177	454,567
4110	Overtime	-	-	3,000	-	-
4190	Temporary					
4170	Director Fees					
4195	Contract Help	13,262	-	-	-	20,000
4200	Fringe Benefits	194,791	216,276	253,473	267,069	281,058
	<b>Personnel Services</b>	<b>\$ 615,549</b>	<b>\$ 570,048</b>	<b>\$ 683,626</b>	<b>\$ 708,246</b>	<b>\$ 755,625</b>
4500	Fees & Subscriptions	14,851	12,576	21,100	20,500	20,500
5200	Communications & Freight	600	547	1,200	1,200	1,200
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	165	-	-	115	115
	<b>General &amp; Admin</b>	<b>\$ 15,616</b>	<b>\$ 13,123</b>	<b>\$ 22,300</b>	<b>\$ 21,815</b>	<b>\$ 21,815</b>
4600	Supplies	6,756	4,683	5,000	1,000	1,000
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 6,756</b>	<b>\$ 4,683</b>	<b>\$ 5,000</b>	<b>\$ 1,000</b>	<b>\$ 1,000</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	-	-	-	4,500	4,500
6000	Rebates & Backflow					
6200	Professional Fees	200,995	316,827	152,000	200,000	200,000
6300	Repair & Maintenance	-	-	3,500	1,000	1,000
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 200,995</b>	<b>\$ 316,827</b>	<b>\$ 155,500</b>	<b>\$ 205,500</b>	<b>\$ 205,500</b>
<b>5300</b>	<b>Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>4400</b>	<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Operating Expenditures</b>	<b>\$ 838,916</b>	<b>\$ 904,681</b>	<b>\$ 866,426</b>	<b>\$ 936,561</b>	<b>\$ 983,940</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ 2,272</b>	<b>\$ -</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 838,916</b>	<b>\$ 906,953</b>	<b>\$ 866,426</b>	<b>\$ 940,561</b>	<b>\$ 987,940</b>

The logo is a circular emblem. The top half features a light blue arc representing a sun or moon. Below this is a green mountain range with three peaks. The bottom half of the circle is filled with light blue wavy lines representing water. The text "MARIN MUNICIPAL WATER DISTRICT" is centered horizontally across the top half of the circle, and "GENERAL MANAGER DIVISION" is centered horizontally across the middle of the circle.

# MARIN MUNICIPAL WATER DISTRICT

GENERAL MANAGER DIVISION



**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**GENERAL MANAGER DIVISION**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	1,563,451	1,456,581	1,573,791	1,578,353	1,629,002
4110	Overtime	8,218	10,924	12,500	4,000	4,000
4190	Temporary	-	-	7,800	-	-
4170	Director Fees	-	-	-	-	-
4195	Contract Help	-	47,352	-	-	-
4200	Fringe Benefits	770,018	767,454	929,893	1,049,284	1,110,696
	<b>Personnel Services</b>	<b>\$ 2,341,687</b>	<b>\$ 2,282,311</b>	<b>\$ 2,523,984</b>	<b>\$ 2,631,636</b>	<b>\$ 2,743,698</b>
4500	Fees & Subscriptions	83,217	50,935	34,030	56,933	64,565
5200	Communications & Freight	4,139	19,976	17,320	18,320	18,320
5400	Taxes, Fees & Licenses	-	-	-	-	-
5500	Insurance	-	-	-	-	-
5600	Misc Expenses	63,991	60,409	135,500	138,015	148,015
	<b>General &amp; Admin</b>	<b>\$ 151,348</b>	<b>\$ 131,320</b>	<b>\$ 186,850</b>	<b>\$ 213,268</b>	<b>\$ 230,900</b>
4600	Supplies	24,414	7,192	14,200	21,700	21,700
4700	Materials	-	-	-	-	-
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 24,414</b>	<b>\$ 7,192</b>	<b>\$ 14,200</b>	<b>\$ 21,700</b>	<b>\$ 21,700</b>
5100	Automotive	-	-	-	-	-
5800	Construction Contracts	-	-	-	-	-
5900	Equipment & Fac Rental	7,343	2,423	11,300	15,300	15,300
6000	Rebates & Backflow	-	-	-	-	-
6200	Professional Fees	87,566	120,585	48,500	61,000	61,000
6300	Repair & Maintenance	3,043	9,820	7,100	9,500	9,500
6500	Small Tools & Equipment	-	5,707	-	-	-
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 97,952</b>	<b>\$ 138,535</b>	<b>\$ 66,900</b>	<b>\$ 85,800</b>	<b>\$ 85,800</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	-	-	-	-	-
	<b>Total Operating Expenses</b>	<b>\$ 2,615,400</b>	<b>\$ 2,559,357</b>	<b>\$ 2,791,934</b>	<b>\$ 2,952,404</b>	<b>\$ 3,082,098</b>
8000	Capital Purchases	3,104	-	5,000	3,000	3,000
	<b>Total Operating and Capital Purchases</b>	<b>\$ 2,618,504</b>	<b>\$ 2,559,357</b>	<b>\$ 2,796,934</b>	<b>\$ 2,955,404</b>	<b>\$ 3,085,098</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**GENERAL MANAGER 2010**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	460,090	316,278	410,860	371,109	385,901
4110	Overtime	7,145	2,264	4,500	-	-
4190	Temporary					
4170	Director Fees					
4195	Contract Help	-	4,799	-	-	-
4200	Fringe Benefits	201,534	174,326	228,196	233,770	249,087
	<b>Personnel Services</b>	<b>\$ 668,769</b>	<b>\$ 497,666</b>	<b>\$ 643,556</b>	<b>\$ 604,878</b>	<b>\$ 634,987</b>
4500	Fees & Subscriptions	14,609	15,417	7,500	31,503	39,135
5200	Communications & Freight	490	456	1,500	1,000	1,000
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	4,180	2,970	2,500	3,115	3,115
	<b>General &amp; Admin</b>	<b>\$ 19,279</b>	<b>\$ 18,843</b>	<b>\$ 11,500</b>	<b>\$ 35,618</b>	<b>\$ 43,250</b>
4600	Supplies	987	1,199	1,200	1,200	1,200
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 987</b>	<b>\$ 1,199</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	2,130	-	2,500	6,500	6,500
6000	Rebates & Backflow					
6200	Professional Fees	-	15,000	2,500	20,000	20,000
6300	Repair & Maintenance	-	87		2,400	2,400
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 2,130</b>	<b>\$ 15,087</b>	<b>\$ 5,000</b>	<b>\$ 28,900</b>	<b>\$ 28,900</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenses</b>	<b>\$ 691,165</b>	<b>\$ 532,796</b>	<b>\$ 661,256</b>	<b>\$ 670,596</b>	<b>\$ 708,337</b>
<b>8000</b>	<b>Capital Purchases</b>	-	-	2,000	-	-
	<b>Total Operating and Capital Purchases</b>	<b>\$ 691,165</b>	<b>\$ 532,796</b>	<b>\$ 663,256</b>	<b>\$ 670,596</b>	<b>\$ 708,337</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**COMMUNICATIONS AND PUBLIC AFFAIRS 2020**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	484,652	471,928	524,960	546,193	565,524
4110	Overtime	532	8,308	3,000	1,500	1,500
4190	Temporary	-	-	7,800	-	-
4170	Director Fees					
4195	Contract Help	-	42,552	-	-	-
4200	Fringe Benefits	257,382	254,331	298,830	366,410	388,716
	<b>Personnel Services</b>	<b>\$ 742,566</b>	<b>\$ 777,119</b>	<b>\$ 834,590</b>	<b>\$ 914,102</b>	<b>\$ 955,740</b>
4500	Fees & Subscriptions	5,326	2,248	6,875	5,875	5,875
5200	Communications & Freight	1,969	17,516	14,000	15,500	15,500
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	46,661	38,009	112,000	87,000	97,000
	<b>General &amp; Admin</b>	<b>\$ 53,956</b>	<b>\$ 57,773</b>	<b>\$ 132,875</b>	<b>\$ 108,375</b>	<b>\$ 118,375</b>
4600	Supplies	19,532	1,464	8,000	15,500	15,500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 19,532</b>	<b>\$ 1,464</b>	<b>\$ 8,000</b>	<b>\$ 15,500</b>	<b>\$ 15,500</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	2,102	-	5,000	5,000	5,000
6000	Rebates & Backflow					
6200	Professional Fees	59,566	42,385	35,000	30,000	30,000
6300	Repair & Maintenance	3,043	9,733	7,100	7,100	7,100
6500	Small Tools & Equipment	-	5,492	-	-	-
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 64,711</b>	<b>\$ 57,610</b>	<b>\$ 47,100</b>	<b>\$ 42,100</b>	<b>\$ 42,100</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenses</b>	<b>\$ 880,765</b>	<b>\$ 893,966</b>	<b>\$ 1,022,565</b>	<b>\$ 1,080,077</b>	<b>\$ 1,131,715</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 880,765</b>	<b>\$ 893,966</b>	<b>\$ 1,025,565</b>	<b>\$ 1,083,077</b>	<b>\$ 1,134,715</b>

**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**HUMAN RESOURCES 2030**

**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	618,709	668,375	637,971	661,051	677,577
4110	Overtime	541	353	5,000	2,500	2,500
4190	Temporary					
4170	Director Fees					
4195	Contract Help			-		
4200	Fringe Benefits	311,102	338,798	402,867	449,105	472,894
	<b>Personnel Services</b>	<b>\$ 930,352</b>	<b>\$ 1,007,526</b>	<b>\$ 1,045,838</b>	<b>\$ 1,112,656</b>	<b>\$ 1,152,971</b>
4500	Fees & Subscriptions	63,282	33,270	19,655	19,555	19,555
5200	Communications & Freight	1,680	2,003	1,820	1,820	1,820
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	13,151	19,430	21,000	47,900	47,900
	<b>General &amp; Admin</b>	<b>\$ 78,113</b>	<b>\$ 54,703</b>	<b>\$ 42,475</b>	<b>\$ 69,275</b>	<b>\$ 69,275</b>
4600	Supplies	3,895	4,528	5,000	5,000	5,000
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 3,895</b>	<b>\$ 4,528</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	3,111	2,423	3,800	3,800	3,800
6000	Rebates & Backflow					
6200	Professional Fees	28,000	63,200	11,000	11,000	11,000
6300	Repair & Maintenance					
6500	Small Tools & Equipment	-	215		-	-
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 31,111</b>	<b>\$ 65,837</b>	<b>\$ 14,800</b>	<b>\$ 14,800</b>	<b>\$ 14,800</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 1,043,470</b>	<b>\$ 1,132,595</b>	<b>\$ 1,108,113</b>	<b>\$ 1,201,731</b>	<b>\$ 1,242,046</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ 3,104</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Operating, Capital and Fire Flow</b>	<b>\$ 1,046,574</b>	<b>\$ 1,132,595</b>	<b>\$ 1,108,113</b>	<b>\$ 1,201,731</b>	<b>\$ 1,242,046</b>

The logo is a circular emblem. The top half features a light blue arc representing a sun or sky. Below this is a green mountain range with three peaks. The bottom half of the circle is filled with light blue wavy lines representing water. The text "MARIN MUNICIPAL WATER DISTRICT" is centered horizontally across the upper portion of the emblem, and "ADMINISTRATIVE SERVICES DIVISION" is centered horizontally across the middle portion.

**MARIN MUNICIPAL WATER DISTRICT**

**ADMINISTRATIVE SERVICES DIVISION**

**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**ADMINISTRATIVE SERVICES DIVISION**

**YEAR ENDING JUNE 30th**

<b>OBJECT DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100 Regular Salaries & Wages	4,635,418	4,648,467	5,105,690	5,120,093	5,279,682
4110 Overtime	66,943	101,466	56,100	63,200	50,400
4190 Temporary	36,885	29,962	20,500	27,500	27,500
4170 Director Fees	-	-	-	-	-
4195 Contract Help	82,568	21,505	7,000	7,000	7,000
4200 Fringe Benefits	2,501,410	2,913,029	3,284,447	3,623,763	3,823,489
<b>Personnel Services</b>	<b>\$ 7,323,223</b>	<b>\$ 7,714,429</b>	<b>\$ 8,473,738</b>	<b>\$ 8,841,556</b>	<b>\$ 9,188,071</b>
4500 Fees & Subscriptions	75,406	9,188	42,590	54,585	54,585
5200 Communications & Freight	284,886	263,031	377,880	380,320	383,420
5400 Taxes, Fees & Licenses	591,415	817,874	659,900	992,300	1,012,500
5500 Insurance	-	-	-	-	-
5600 Misc Expenses	102,227	63,761	105,175	86,100	108,100
<b>General &amp; Admin</b>	<b>\$ 1,053,934</b>	<b>\$ 1,153,853</b>	<b>\$ 1,185,545</b>	<b>\$ 1,513,305</b>	<b>\$ 1,558,605</b>
4600 Supplies	31,342	32,965	38,500	34,800	34,300
4700 Materials	185,141	194,359	163,000	203,000	203,000
4900 Chemicals	-	-	-	-	-
5000 Water Purchases	-	-	-	-	-
<b>Materials &amp; Supplies</b>	<b>\$ 216,483</b>	<b>\$ 227,325</b>	<b>\$ 201,500</b>	<b>\$ 237,800</b>	<b>\$ 237,300</b>
5100 Automotive	(7,434)	(4,804)	-	-	-
5800 Construction Contracts	-	-	-	-	-
5900 Equipment Rental	24,007	30,458	35,500	40,500	44,000
6000 Rebates & Backflow	-	-	-	-	-
6200 Professional Fees	327,320	214,643	205,800	122,050	237,700
6300 Repair & Maintenance	525,135	530,521	637,700	604,680	564,380
6500 Small Tools & Equipment	148,387	71,222	8,900	20,500	25,500
6600 Utilities	-	-	-	-	-
<b>District Operations</b>	<b>\$ 1,017,416</b>	<b>\$ 842,040</b>	<b>\$ 887,900</b>	<b>\$ 787,730</b>	<b>\$ 871,580</b>
<b>5300 Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Allocation to Capital</b>	<b>(149,050)</b>	<b>(295,265)</b>	<b>(139,480)</b>	<b>(139,480)</b>	<b>(139,480)</b>
<b>Total Operating Expenditures</b>	<b>\$ 9,462,005</b>	<b>\$ 9,642,382</b>	<b>\$ 10,609,203</b>	<b>\$ 11,240,911</b>	<b>\$ 11,716,076</b>
<b>8000 Capital Expenditures</b>	<b>\$ 92,123</b>	<b>\$ 33,816</b>	<b>\$ 1,500</b>	<b>\$ 33,500</b>	<b>\$ 37,500</b>
<b>Total Operating and Capital Purchases</b>	<b>\$ 9,554,128</b>	<b>\$ 9,676,199</b>	<b>\$ 10,610,703</b>	<b>\$ 11,274,411</b>	<b>\$ 11,753,576</b>

**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**ADMINISTRATIVE SERVICES 3010**

**YEAR ENDING JUNE 30th**

<b>OBJECT DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100 Regular Salaries & Wages	348,944	219,350	341,873	239,407	245,392
4110 Overtime	6,682	489	6,000	-	-
4190 Temporary					
4170 Director Fees					
4195 Contract Help					
4200 Fringe Benefits	151,182	151,967	213,373	156,897	164,694
<b>Personnel Services</b>	<b>\$ 506,808</b>	<b>\$ 371,806</b>	<b>\$ 561,246</b>	<b>\$ 396,304</b>	<b>\$ 410,086</b>
4500 Fees & Subscriptions	1,426	576	5,345	5,945	5,945
5200 Communications & Freight	840	545	910	600	600
5400 Taxes, Fees & Licenses			-		
5500 Insurance			-		
5600 Misc Expenses	-	-	-	-	-
<b>General &amp; Admin</b>	<b>\$ 2,266</b>	<b>\$ 1,121</b>	<b>\$ 6,255</b>	<b>\$ 6,545</b>	<b>\$ 6,545</b>
4600 Supplies	1,483	107	1,500	1,500	1,500
4700 Materials	-	-	-	-	-
4900 Chemicals	-	-	-	-	-
5000 Water Purchases	-	-	-	-	-
<b>Materials &amp; Supplies</b>	<b>\$ 1,483</b>	<b>\$ 107</b>	<b>\$ 1,500</b>	<b>\$ 1,500</b>	<b>\$ 1,500</b>
5100 Automotive	-	-	-	-	-
5800 Construction Contracts	-	-	-	-	-
5900 Equipment Rental	-	-	-	-	-
6000 Rebates & Backflow	-	-	-	-	-
6200 Professional Fees	118,881	6,664	10,000	-	100,000
6300 Repair & Maintenance	-	-	-	-	-
6500 Small Tools & Equipment	-	-	1,000	500	500
6600 Utilities	-	-	-	-	-
<b>District Operations</b>	<b>\$ 118,881</b>	<b>\$ 6,664</b>	<b>\$ 11,000</b>	<b>\$ 500</b>	<b>\$ 100,500</b>
<b>5300 Debt Service</b>	-	-	-	-	-
<b>Allocation to Capital</b>	-	-	-	-	-
<b>Total Operating Expenditures</b>	<b>\$ 629,439</b>	<b>\$ 379,698</b>	<b>\$ 580,001</b>	<b>\$ 404,849</b>	<b>\$ 518,631</b>
<b>8000 Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500</b>	<b>\$ 500</b>	<b>\$ 500</b>
<b>Total Operating and Capital Purchases</b>	<b>\$ 629,439</b>	<b>\$ 379,698</b>	<b>\$ 581,501</b>	<b>\$ 405,349</b>	<b>\$ 519,131</b>

**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**FINANCE & ACCOUNTING 3020**

**YEAR ENDING JUNE 30th**

<b>OBJECT DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100 Regular Salaries & Wages	979,278	1,093,761	1,124,309	1,244,172	1,276,902
4110 Overtime	1,521	5	2,000	-	2,000
4190 Temporary	-	-	-	-	-
4170 Director Fees	-	-	-	-	-
4195 Contract Help	21,955	21,505	-	-	-
4200 Fringe Benefits	498,562	585,003	687,718	824,540	869,039
<b>Personnel Services</b>	<b>\$ 1,501,315</b>	<b>\$ 1,700,274</b>	<b>\$ 1,814,027</b>	<b>\$ 2,068,711</b>	<b>\$ 2,147,941</b>
4500 Fees & Subscriptions	665	3,605	5,000	8,500	8,500
5200 Communications & Freight	3,390	3,250	1,850	3,500	3,500
5400 Taxes, Fees & Licenses	586,617	812,099	650,700	982,500	1,002,500
5500 Insurance	-	-	-	-	-
5600 Misc Expenses	361	2,822	1,000	-	-
<b>General &amp; Admin</b>	<b>\$ 591,032</b>	<b>\$ 821,776</b>	<b>\$ 658,550</b>	<b>\$ 994,500</b>	<b>\$ 1,014,500</b>
4600 Supplies	1,425	1,351	2,500	3,000	1,500
4700 Materials	-	-	-	-	-
4900 Chemicals	-	-	-	-	-
5000 Water Purchases	-	-	-	-	-
<b>Materials &amp; Supplies</b>	<b>\$ 1,425</b>	<b>\$ 1,351</b>	<b>\$ 2,500</b>	<b>\$ 3,000</b>	<b>\$ 1,500</b>
5100 Automotive	-	-	-	-	-
5800 Construction Contracts	-	-	-	-	-
5900 Equipment Rental	-	-	-	2,500	2,500
6000 Rebates & Backflow	-	-	-	-	-
6200 Professional Fees	41,267	53,379	55,800	62,050	77,700
6300 Repair & Maintenance	-	-	-	-	-
6500 Small Tools & Equipment	1,689	1,389	1,000	2,000	2,000
6600 Utilities	-	-	-	-	-
<b>District Operations</b>	<b>\$ 42,956</b>	<b>\$ 54,768</b>	<b>\$ 56,800</b>	<b>\$ 66,550</b>	<b>\$ 82,200</b>
<b>5300 Debt Service</b>	-	-	-	-	-
<b>Allocation to Capital</b>	-	-	-	-	-
<b>Total Operating Expenditures</b>	<b>\$ 2,136,729</b>	<b>\$ 2,578,168</b>	<b>\$ 2,531,877</b>	<b>\$ 3,132,761</b>	<b>\$ 3,246,141</b>
<b>8000 Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000</b>	<b>\$ 1,000</b>
<b>Total Operating and Capital Purchases</b>	<b>\$ 2,136,729</b>	<b>\$ 2,578,168</b>	<b>\$ 2,531,877</b>	<b>\$ 3,134,761</b>	<b>\$ 3,247,141</b>



**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**CUSTOMER SERVICE 3030**

**YEAR ENDING JUNE 30th**

<b>OBJECT DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100 Regular Salaries & Wages	904,781	953,681	983,632	1,009,347	1,038,674
4110 Overtime	18,996	12,321	5,000	7,000	7,000
4190 Temporary	-	-	-	-	-
4170 Director Fees	-	-	-	-	-
4195 Contract Help	23,801	-	7,000	7,000	7,000
4200 Fringe Benefits	526,068	594,771	704,389	749,718	791,276
<b>Personnel Services</b>	<b>\$ 1,473,646</b>	<b>\$ 1,560,773</b>	<b>\$ 1,700,020</b>	<b>\$ 1,773,065</b>	<b>\$ 1,843,950</b>
4500 Fees & Subscriptions	2,492	196	5,100	6,000	6,000
5200 Communications & Freight	2,243	2,121	1,900	2,500	2,600
5400 Taxes, Fees & Licenses	-	4,025	3,700	4,300	4,500
5500 Insurance	-	-	-	-	-
5600 Misc Expenses	2,441	398	3,575	1,500	1,500
<b>General &amp; Admin</b>	<b>\$ 7,175</b>	<b>\$ 6,739</b>	<b>\$ 14,275</b>	<b>\$ 14,300</b>	<b>\$ 14,600</b>
4600 Supplies	1,311	2,659	4,000	5,500	5,500
4700 Materials	-	-	-	-	-
4900 Chemicals	-	-	-	-	-
5000 Water Purchases	-	-	-	-	-
<b>Materials &amp; Supplies</b>	<b>\$ 1,311</b>	<b>\$ 2,659</b>	<b>\$ 4,000</b>	<b>\$ 5,500</b>	<b>\$ 5,500</b>
5100 Automotive	-	-	-	-	-
5800 Construction Contracts	-	-	-	-	-
5900 Equipment Rental	-	-	-	-	-
6000 Rebates & Backflow	-	-	-	-	-
6200 Professional Fees	24,933	5,725	-	-	-
6300 Repair & Maintenance	-	8,975	9,500	10,500	11,500
6500 Small Tools & Equipment	-	588	100	1,200	1,200
6600 Utilities	-	-	-	-	-
<b>District Operations</b>	<b>\$ 24,933</b>	<b>\$ 15,289</b>	<b>\$ 9,600</b>	<b>\$ 11,700</b>	<b>\$ 12,700</b>
<b>5300 Debt Service</b>	-	-	-	-	-
<b>Allocation to Capital</b>	-	-	-	-	-
<b>Total Operating Expenditures</b>	<b>\$ 1,507,066</b>	<b>\$ 1,585,459</b>	<b>\$ 1,727,895</b>	<b>\$ 1,804,565</b>	<b>\$ 1,876,750</b>
<b>8000 Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total Operating and Capital Purchases</b>	<b>\$ 1,507,066</b>	<b>\$ 1,585,459</b>	<b>\$ 1,727,895</b>	<b>\$ 1,804,565</b>	<b>\$ 1,876,750</b>

**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**OFFICE SUPPORT 3040**

**YEAR ENDING JUNE 30th**

<b>OBJECT DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100 Regular Salaries & Wages	27,360	60,560	70,923	66,911	72,121
4110 Overtime	446	254	100	400	400
4190 Temporary	-	-	-	-	-
4170 Director Fees	-	-	-	-	-
4195 Contract Help	36,812	-	-	-	-
4200 Fringe Benefits	19,548	31,774	47,808	39,018	42,781
<b>Personnel Services</b>	<b>\$ 84,166</b>	<b>\$ 92,587</b>	<b>\$ 118,832</b>	<b>\$ 106,329</b>	<b>\$ 115,302</b>
4500 Fees & Subscriptions	-	199	500	500	500
5200 Communications & Freight	178,275	122,851	209,000	211,500	214,500
5400 Taxes, Fees & Licenses	4,200	1,750	4,500	4,500	4,500
5500 Insurance	-	-	-	-	-
5600 Misc Expenses	98,702	60,148	100,000	84,000	106,000
<b>General &amp; Admin</b>	<b>\$ 281,177</b>	<b>\$ 184,948</b>	<b>\$ 314,000</b>	<b>\$ 300,500</b>	<b>\$ 325,500</b>
4600 Supplies	6,843	8,536	10,000	11,500	12,500
4700 Materials	-	-	-	-	-
4900 Chemicals	-	-	-	-	-
5000 Water Purchases	-	-	-	-	-
<b>Materials &amp; Supplies</b>	<b>\$ 6,843</b>	<b>\$ 8,536</b>	<b>\$ 10,000</b>	<b>\$ 11,500</b>	<b>\$ 12,500</b>
5100 Automotive	-	-	-	-	-
5800 Construction Contracts	-	-	-	-	-
5900 Equipment Rental	24,007	30,458	35,500	38,000	41,500
6000 Rebates & Backflow	-	-	-	-	-
6200 Professional Fees	-	-	-	-	-
6300 Repair & Maintenance	-	-	400	500	500
6500 Small Tools & Equipment	-	-	-	-	-
6600 Utilities	-	-	-	-	-
<b>District Operations</b>	<b>\$ 24,007</b>	<b>\$ 30,458</b>	<b>\$ 35,900</b>	<b>\$ 38,500</b>	<b>\$ 42,000</b>
<b>5300 Debt Service</b>	-	-	-	-	-
<b>Allocation to Capital</b>	-	-	-	-	-
<b>Total Operating Expenditures</b>	<b>\$ 396,193</b>	<b>\$ 316,529</b>	<b>\$ 478,732</b>	<b>\$ 456,829</b>	<b>\$ 495,302</b>
<b>8000 Capital Purchases</b>	<b>\$ 11,643</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total Operating and Capital Purchases</b>	<b>\$ 407,836</b>	<b>\$ 316,529</b>	<b>\$ 478,732</b>	<b>\$ 456,829</b>	<b>\$ 495,302</b>

**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**PURCHASING 3050**

**YEAR ENDING JUNE 30th**

<b>OBJECT DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100 Regular Salaries & Wages	93,260	85,652	102,534	104,587	107,202
4110 Overtime	36	-	-	-	-
4190 Temporary	-	-	-	-	-
4170 Director Fees	-	-	-	-	-
4195 Contract Help	-	-	-	-	-
4200 Fringe Benefits	42,973	53,596	63,155	68,546	72,120
<b>Personnel Services</b>	<b>\$ 136,269</b>	<b>\$ 139,248</b>	<b>\$ 165,689</b>	<b>\$ 173,133</b>	<b>\$ 179,321</b>
4500 Fees & Subscriptions	260	-	1,640	1,640	1,640
5200 Communications & Freight	420	420	420	420	420
5400 Taxes, Fees & Licenses	-	-	-	-	-
5500 Insurance	-	-	-	-	-
5600 Misc Expenses	468	251	600	600	600
<b>General &amp; Admin</b>	<b>\$ 1,148</b>	<b>\$ 671</b>	<b>\$ 2,660</b>	<b>\$ 2,660</b>	<b>\$ 2,660</b>
4600 Supplies	290	-	500	500	500
4700 Materials					
4900 Chemicals					
5000 Water Purchases	-	-	-	-	-
<b>Materials &amp; Supplies</b>	<b>\$ 290</b>	<b>\$ -</b>	<b>\$ 500</b>	<b>\$ 500</b>	<b>\$ 500</b>
5100 Automotive	-	-	-	-	-
5800 Construction Contracts	-	-	-	-	-
5900 Equipment Rental	-	-	-	-	-
6000 Rebates & Backflow	-	-	-	-	-
6200 Professional Fees	-	-	-	-	-
6300 Repair & Maintenance	-	-	-	-	-
6500 Small Tools & Equipment	-	-	300	300	300
6600 Utilities	-	-	-	-	-
<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300</b>	<b>\$ 300</b>	<b>\$ 300</b>
<b>5300 Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Operating Expenditures</b>	<b>\$ 137,707</b>	<b>\$ 139,920</b>	<b>\$ 169,149</b>	<b>\$ 176,593</b>	<b>\$ 182,781</b>
<b>8000 Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total Operating and Capital Purchases</b>	<b>\$ 137,707</b>	<b>\$ 139,920</b>	<b>\$ 169,149</b>	<b>\$ 176,593</b>	<b>\$ 182,781</b>

**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**METER OPERATIONS 3060**

**YEAR ENDING JUNE 30th**

<b>OBJECT DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100 Regular Salaries & Wages	1,007,439	1,010,899	1,158,802	1,140,974	1,180,835
4110 Overtime	9,160	11,198	9,000	10,800	11,000
4190 Temporary	13,057	9,550	7,500	7,500	7,500
4170 Director Fees					
4195 Contract Help					
4200 Fringe Benefits	639,560	798,877	756,815	903,663	952,308
<b>Personnel Services</b>	<b>\$ 1,669,216</b>	<b>\$ 1,830,524</b>	<b>\$ 1,932,117</b>	<b>\$ 2,062,936</b>	<b>\$ 2,151,644</b>
4500 Fees & Subscriptions	70	180	1,200	1,200	1,200
5200 Communications & Freight	4,446	4,408	5,800	5,800	5,800
5400 Taxes, Fees & Licenses	599	-	1,000	1,000	1,000
5500 Insurance					
5600 Misc Expenses	114	-	-	-	-
<b>General &amp; Admin</b>	<b>\$ 5,229</b>	<b>\$ 4,588</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>	<b>\$ 8,000</b>
4600 Supplies	2,176	1,405	2,500	2,500	2,500
4700 Materials	185,141	194,359	163,000	203,000	203,000
4900 Chemicals					
5000 Water Purchases	-	-	-	-	-
<b>Materials &amp; Supplies</b>	<b>\$ 187,317</b>	<b>\$ 195,764</b>	<b>\$ 165,500</b>	<b>\$ 205,500</b>	<b>\$ 205,500</b>
5100 Automotive	(7,434)	(4,804)	-	-	-
5800 Construction Contracts					
5900 Equipment Rental					
6000 Rebates & Backflow					
6200 Professional Fees					
6300 Repair & Maintenance	8,065	8,320	9,700	95,200	10,700
6500 Small Tools & Equipment	3,952	1,342	6,500	6,500	6,500
6600 Utilities	-	-	-	-	-
<b>District Operations</b>	<b>\$ 4,583</b>	<b>\$ 4,858</b>	<b>\$ 16,200</b>	<b>\$ 101,700</b>	<b>\$ 17,200</b>
<b>5300 Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Allocation to Capital</b>	<b>(149,050)</b>	<b>(295,265)</b>	<b>(139,480)</b>	<b>(139,480)</b>	<b>(139,480)</b>
<b>Total Operating Expenditures</b>	<b>\$ 1,717,294</b>	<b>\$ 1,740,469</b>	<b>\$ 1,982,337</b>	<b>\$ 2,238,656</b>	<b>\$ 2,242,864</b>
<b>8000 Capital Purchases</b>	<b>\$ 92</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total Operating, Capital and Fire Flow</b>	<b>\$ 1,717,386</b>	<b>\$ 1,740,469</b>	<b>\$ 1,982,337</b>	<b>\$ 2,238,656</b>	<b>\$ 2,242,864</b>

**OPERATING BUDGET COMPARATIVE EXPENDITURES**

**INFORMATION TECHNOLOGY 3070**

**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	1,274,356	1,224,564	1,323,618	1,314,695	1,358,556
4110	Overtime	30,102	77,199	34,000	45,000	30,000
4190	Temporary	23,828	20,411	13,000	20,000	20,000
4170	Director Fees					
4195	Contract Help			-		
4200	Fringe Benefits	623,517	697,042	811,189	881,382	931,271
	<b>Personnel Services</b>	<b>\$ 1,951,802</b>	<b>\$ 2,019,216</b>	<b>\$ 2,181,806</b>	<b>\$ 2,261,077</b>	<b>\$ 2,339,827</b>
4500	Fees & Subscriptions	70,493	4,433	23,805	30,800	30,800
5200	Communications & Freight	95,272	129,436	158,000	156,000	156,000
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	142	142	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 165,907</b>	<b>\$ 134,011</b>	<b>\$ 181,805</b>	<b>\$ 186,800</b>	<b>\$ 186,800</b>
4600	Supplies	17,813	18,909	17,500	10,300	10,300
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 17,813</b>	<b>\$ 18,909</b>	<b>\$ 17,500</b>	<b>\$ 10,300</b>	<b>\$ 10,300</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	142,238	148,876	140,000	60,000	60,000
6300	Repair & Maintenance	517,070	513,225	618,100	498,480	541,680
6500	Small Tools & Equipment	142,746	67,903	-	10,000	15,000
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 802,055</b>	<b>\$ 730,003</b>	<b>\$ 758,100</b>	<b>\$ 568,480</b>	<b>\$ 616,680</b>
5300	<b>Debt Service</b>	-	-	-	-	-
	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 2,937,577</b>	<b>\$ 2,902,139</b>	<b>\$ 3,139,211</b>	<b>\$ 3,026,657</b>	<b>\$ 3,153,607</b>
8000	<b>Capital Purchases</b>	<b>\$ 80,388</b>	<b>\$ 33,816</b>	<b>\$ -</b>	<b>\$ 31,000</b>	<b>\$ 36,000</b>
	<b>Total Operating, Capital and Fire Flow</b>	<b>\$ 3,017,965</b>	<b>\$ 2,935,956</b>	<b>\$ 3,139,211</b>	<b>\$ 3,057,657</b>	<b>\$ 3,189,607</b>

The logo is a circular emblem. The top half features a light blue arc representing a sun or sky. Below this is a green mountain range with three peaks. The bottom half of the circle is filled with light blue wavy lines representing water. The text "MARIN MUNICIPAL WATER DISTRICT" is centered horizontally across the upper portion of the emblem, and "ENGINEERING SERVICES DIVISION" is centered horizontally across the middle portion.

**MARIN MUNICIPAL WATER DISTRICT**

**ENGINEERING SERVICES DIVISION**

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
ENGINEERING SERVICES DIVISION  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	3,035,485	3,009,267	4,456,930	4,789,974	4,943,798
4110	Overtime	38,370	18,295	46,600	55,000	55,000
4190	Temporary	34,118	25,021	26,200	72,000	73,000
4170	Director Fees	-	-	-	-	-
4195	Contract Help	-	60,902	-	-	-
4200	Fringe Benefits	2,338,989	2,521,614	2,841,134	3,333,414	3,526,423
	<b>Personnel Services</b>	<b>\$ 5,446,961</b>	<b>\$ 5,635,100</b>	<b>\$ 7,370,864</b>	<b>\$ 8,250,388</b>	<b>\$ 8,598,221</b>
4500	Fees & Subscriptions	30,817	21,930	48,210	48,264	40,592
5200	Communications & Freight	12,162	14,674	19,650	22,050	22,500
5400	Taxes, Fees & Licenses	307,522	332,413	434,200	374,530	379,600
5500	Insurance	-	-	-	-	-
5600	Misc Expenses	1,237	2,214	2,900	14,200	16,200
	<b>General &amp; Admin</b>	<b>\$ 351,738</b>	<b>\$ 371,231</b>	<b>\$ 504,960</b>	<b>\$ 459,044</b>	<b>\$ 458,892</b>
4600	Supplies	18,843	16,224	31,200	31,500	31,500
4700	Materials	-	170	-	-	-
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 18,843</b>	<b>\$ 16,394</b>	<b>\$ 31,200</b>	<b>\$ 31,500</b>	<b>\$ 31,500</b>
5100	Automotive	-	-	-	-	-
5800	Construction Contracts	-	-	-	-	-
5900	Equipment & Fac Rental	27,523	12,061	34,033	33,300	33,650
6000	Conservation	-	-	-	-	-
6200	Professional Fees	420,820	146,517	57,000	131,350	129,850
6300	Repair & Maintenance	31,476	58,922	44,410	71,720	73,250
6500	Small Tools & Equipment	4,914	3,693	7,600	6,630	6,660
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 484,733</b>	<b>\$ 221,193</b>	<b>\$ 143,043</b>	<b>\$ 243,000</b>	<b>\$ 243,410</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	(2,465,557)	(2,246,498)	(2,803,520)	(2,803,520)	(2,803,520)
	<b>Total Operating Expenditures</b>	<b>\$ 3,836,718</b>	<b>\$ 3,997,420</b>	<b>\$ 5,246,547</b>	<b>\$ 6,180,412</b>	<b>\$ 6,528,503</b>
8000	Capital Purchases	6,086	3,428	42,300	87,650	24,100
	<b>Total Operating and Capital Purchases</b>	<b>\$ 3,842,805</b>	<b>\$ 4,000,847</b>	<b>\$ 5,288,847</b>	<b>\$ 6,268,062</b>	<b>\$ 6,552,603</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
ENGINEERING SERVICES ADMINISTRATION 5010  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	329,833	326,764	496,819	332,275	338,260
4110	Overtime	-	5,372	1,500	-	-
4190	Temporary			-		
4170	Director Fees					
4195	Contract Help	-	6,719		-	-
4200	Fringe Benefits	216,854	241,910	300,869	229,781	231,635
	<b>Personnel Services</b>	<b>\$ 546,687</b>	<b>\$ 580,765</b>	<b>\$ 799,189</b>	<b>\$ 562,057</b>	<b>\$ 569,896</b>
4500	Fees & Subscriptions	867	749	2,900	3,600	3,600
5200	Communications & Freight	1,056	1,056	550	1,600	1,700
5400	Taxes, Fees & Licenses	115	115	200	200	200
5500	Insurance					
5600	Misc Expenses	164	422	1,700	1,000	1,000
	<b>General &amp; Admin</b>	<b>\$ 2,203</b>	<b>\$ 2,342</b>	<b>\$ 5,350</b>	<b>\$ 6,400</b>	<b>\$ 6,500</b>
4600	Supplies	18,843	16,224	31,200	31,200	31,200
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 18,843</b>	<b>\$ 16,224</b>	<b>\$ 31,200</b>	<b>\$ 31,200</b>	<b>\$ 31,200</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	20,586	4,912	26,000	25,000	25,000
6000	Conservation					
6200	Professional Fees	8,599	-	28,000	28,000	88,000
6300	Repair & Maintenance	-	775		-	-
6500	Small Tools & Equipment	2,187	-	-	2,000	2,000
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 31,373</b>	<b>\$ 5,687</b>	<b>\$ 54,000</b>	<b>\$ 55,000</b>	<b>\$ 115,000</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	(33,880)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 599,105</b>	<b>\$ 605,019</b>	<b>\$ 855,859</b>	<b>\$ 654,657</b>	<b>\$ 722,596</b>
<b>8000</b>	<b>Capital Purchases</b>	-	-	-	-	-
	<b>Total Operating and Capital Purchases</b>	<b>\$ 599,105</b>	<b>\$ 605,019</b>	<b>\$ 855,859</b>	<b>\$ 654,657</b>	<b>\$ 722,596</b>



**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**ENGINEERING DESIGN & CONSTRUCTION SUPERVISION 5110**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	168,242	183,715	195,099	-	-
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	88,414	99,429	111,041	-	-
	<b>Personnel Services</b>	<b>\$ 256,656</b>	<b>\$ 283,144</b>	<b>\$ 306,140</b>	<b>\$ -</b>	<b>\$ -</b>
4500	Fees & Subscriptions	2,628	2,757	3,500	-	-
5200	Communications & Freight	4	104	500	-	-
5400	Taxes, Fees & Licenses	-	115	-	-	-
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 2,631</b>	<b>\$ 2,975</b>	<b>\$ 4,000</b>	<b>\$ -</b>	<b>\$ -</b>
4600	Supplies			-		
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment	-	-	-	-	-
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>5300</b>	<b>Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>4400</b>	<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>(72,600)</b>	<b>-</b>	<b>-</b>
	<b>Total Operating Expenditures</b>	<b>\$ 259,287</b>	<b>\$ 286,119</b>	<b>\$ 237,540</b>	<b>\$ -</b>	<b>\$ -</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 259,287</b>	<b>\$ 286,119</b>	<b>\$ 237,540</b>	<b>\$ -</b>	<b>\$ -</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
CIVIL & STRUCTURAL DESIGN 5120  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	230,064	241,361	686,240	756,545	785,722
4110	Overtime	153	2,539	-	-	-
4190	Temporary	-	2,000	-	25,000	25,000
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	301,369	328,417	448,581	506,681	536,187
	<b>Personnel Services</b>	<b>\$ 531,586</b>	<b>\$ 574,317</b>	<b>\$ 1,134,822</b>	<b>\$ 1,288,226</b>	<b>\$ 1,346,909</b>
4500	Fees & Subscriptions	7,714	6,233	12,600	15,000	13,000
5200	Communications & Freight	1,482	1,668	2,400	2,000	2,000
5400	Taxes, Fees & Licenses	80	116	500	500	500
5500	Insurance					
5600	Misc Expenses	57	85	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 9,333</b>	<b>\$ 8,103</b>	<b>\$ 15,500</b>	<b>\$ 17,500</b>	<b>\$ 15,500</b>
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance	8,302	8,650	7,500	11,700	11,700
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 8,302</b>	<b>\$ 8,650</b>	<b>\$ 7,500</b>	<b>\$ 11,700</b>	<b>\$ 11,700</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	(608,960)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 549,222</b>	<b>\$ 591,070</b>	<b>\$ 548,862</b>	<b>\$ 1,317,426</b>	<b>\$ 1,374,109</b>
8000	<b>Capital Purchases</b>	<b>\$ 2,214</b>	<b>\$ -</b>	<b>-</b>	<b>\$ 3,000</b>	<b>\$ 2,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 551,436</b>	<b>\$ 591,070</b>	<b>\$ 548,862</b>	<b>\$ 1,320,426</b>	<b>\$ 1,376,109</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
CONSTRUCTION MANAGEMENT 5140  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	262,256	407,890	890,501	950,203	983,317
4110	Overtime	6,670	791	200	44,000	44,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	<u>448,018</u>	<u>509,388</u>	<u>586,385</u>	<u>657,386</u>	<u>696,287</u>
	<b>Personnel Services</b>	<b>\$ 716,944</b>	<b>\$ 918,070</b>	<b>\$ 1,477,086</b>	<b>\$ 1,651,589</b>	<b>\$ 1,723,604</b>
4500	Fees & Subscriptions	5,405	1,849	12,000	12,000	6,000
5200	Communications & Freight	3,649	4,893	9,000	10,500	10,500
5400	Taxes, Fees & Licenses	545	381	500	500	500
5500	Insurance					
5600	Misc Expenses	<u>845</u>	<u>1,292</u>	<u>1,200</u>	<u>13,000</u>	<u>15,000</u>
	<b>General &amp; Admin</b>	<b>\$ 10,445</b>	<b>\$ 8,414</b>	<b>\$ 22,700</b>	<b>\$ 36,000</b>	<b>\$ 32,000</b>
4600	Supplies					
4700	Materials	-	170		-	-
4900	Chemicals					
5000	Water Purchases	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ 170</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive			-		
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees			-		
6300	Repair & Maintenance	-	-	-	200	200
6500	Small Tools & Equipment	1,014	3,366	4,000	1,000	1,000
6600	Utilities	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<b>District Operations</b>	<b>\$ 1,014</b>	<b>\$ 3,366</b>	<b>\$ 4,000</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	-	-	(1,325,720)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 728,403</b>	<b>\$ 930,019</b>	<b>\$ 178,066</b>	<b>\$ 1,688,789</b>	<b>\$ 1,756,804</b>
8000	Capital Purchases	1,090	-	-	-	-
	<b>Total Operating and Capital Purchases</b>	<b>\$ 729,493</b>	<b>\$ 930,019</b>	<b>\$ 178,066</b>	<b>\$ 1,688,789</b>	<b>\$ 1,756,804</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
ENGINEERING PLANNING 5220  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	647,762	376,316	529,916	850,197	867,891
4110	Overtime					
4190	Temporary			-		
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	333,979	283,475	353,385	576,034	609,391
	<b>Personnel Services</b>	<b>\$ 981,741</b>	<b>\$ 659,791</b>	<b>\$ 883,301</b>	<b>\$ 1,426,230</b>	<b>\$ 1,477,282</b>
4500	Fees & Subscriptions	8,927	4,136	4,400	4,850	4,850
5200	Communications & Freight	2	2	450	-	-
5400	Taxes, Fees & Licenses	240,506	252,782	314,500	250,000	250,000
5500	Insurance					
5600	Misc Expenses	171	187	-	200	200
	<b>General &amp; Admin</b>	<b>\$ 249,605</b>	<b>\$ 257,107</b>	<b>\$ 319,350</b>	<b>\$ 255,050</b>	<b>\$ 255,050</b>
4600	Supplies			-		
4700	Materials			-		
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees	298,327	134,895	3,000	78,850	17,350
6300	Repair & Maintenance	2,878	19,749	6,500	16,700	16,700
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 301,205</b>	<b>\$ 154,644</b>	<b>\$ 9,500</b>	<b>\$ 95,550</b>	<b>\$ 34,050</b>
<b>5300</b>	<b>Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>4400</b>	<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>(88,000)</b>	<b>-</b>	<b>-</b>
	<b>Total Operating Expenditures</b>	<b>\$ 1,532,551</b>	<b>\$ 1,071,543</b>	<b>\$ 1,124,151</b>	<b>\$ 1,776,830</b>	<b>\$ 1,766,382</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,532,551</b>	<b>\$ 1,071,543</b>	<b>\$ 1,149,151</b>	<b>\$ 1,776,830</b>	<b>\$ 1,766,382</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**ENGINEERING SUPPORT SUPERVISION 5310**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	172,412	191,116	176,042	179,568	184,057
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help	-	24,523		-	-
4200	Fringe Benefits	80,658	90,835	108,036	115,850	127,768
	<b>Personnel Services</b>	<b>\$ 253,070</b>	<b>\$ 306,473</b>	<b>\$ 284,078</b>	<b>\$ 295,417</b>	<b>\$ 311,825</b>
4500	Fees & Subscriptions	151	208	1,500	1,500	1,500
5200	Communications & Freight	828	600	600	600	600
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 979</b>	<b>\$ 808</b>	<b>\$ 2,100</b>	<b>\$ 2,100</b>	<b>\$ 2,100</b>
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>5300</b>	<b>Debt Service</b>					
<b>4400</b>	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 254,049</b>	<b>\$ 307,281</b>	<b>\$ 286,178</b>	<b>\$ 297,517</b>	<b>\$ 313,925</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 700</b>	<b>\$ 700</b>	<b>\$ 700</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 254,049</b>	<b>\$ 307,281</b>	<b>\$ 286,878</b>	<b>\$ 298,217</b>	<b>\$ 314,625</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**DRAFTING 5320**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	316,247	369,752	616,384	634,204	654,241
4110	Overtime	3,528	195	12,900	1,000	1,000
4190	Temporary	-	-	9,000	-	-
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	318,986	379,728	422,154	471,379	501,754
	<b>Personnel Services</b>	<b>\$ 638,761</b>	<b>\$ 749,675</b>	<b>\$ 1,060,439</b>	<b>\$ 1,106,583</b>	<b>\$ 1,156,995</b>
4500	Fees & Subscriptions	3,856	4,022	4,620	4,400	4,500
5200	Communications & Freight	2,281	2,281	2,500	2,600	2,700
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	171	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 6,136</b>	<b>\$ 6,473</b>	<b>\$ 7,120</b>	<b>\$ 7,000</b>	<b>\$ 7,200</b>
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance	9,086	16,927	13,830	25,980	26,950
6500	Small Tools & Equipment	399	-	2,800	2,800	2,800
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 9,485</b>	<b>\$ 16,927</b>	<b>\$ 16,630</b>	<b>\$ 28,780</b>	<b>\$ 29,750</b>
<b>5300</b>	<b>Debt Service</b>					
<b>4400</b>	<b>Allocation to Capital</b>	-	-	(652,960)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 654,382</b>	<b>\$ 773,075</b>	<b>\$ 431,229</b>	<b>\$ 1,142,363</b>	<b>\$ 1,193,945</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ 2,783</b>	<b>\$ -</b>	<b>\$ 1,400</b>	<b>\$ 64,100</b>	<b>\$ 1,400</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 657,165</b>	<b>\$ 773,075</b>	<b>\$ 432,629</b>	<b>\$ 1,206,463</b>	<b>\$ 1,195,345</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
RECORDS & SUBDIVISION 5330  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	790,505	795,397	954,328	969,590	1,009,984
4110	Overtime	28,018	9,397	32,000	10,000	10,000
4190	Temporary	34,118	23,021	17,200	47,000	48,000
4170	Director Fees					
4195	Contract Help	-	29,661		-	-
4200	Fringe Benefits	463,070	518,657	615,781	690,080	732,589
	<b>Personnel Services</b>	<b>\$ 1,315,710</b>	<b>\$ 1,376,133</b>	<b>\$ 1,619,308</b>	<b>\$ 1,716,670</b>	<b>\$ 1,800,573</b>
4500	Fees & Subscriptions	136	1,648	4,240	4,364	4,492
5200	Communications & Freight	2,403	3,614	3,050	4,100	4,300
5400	Taxes, Fees & Licenses	12,311	27,487	49,000	50,470	52,000
5500	Insurance					
5600	Misc Expenses	-	57	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 14,851</b>	<b>\$ 32,805</b>	<b>\$ 56,290</b>	<b>\$ 58,934</b>	<b>\$ 60,792</b>
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees	-	-	-	4,500	4,500
6300	Repair & Maintenance	11,211	12,821	16,580	17,140	17,700
6500	Small Tools & Equipment	1,313	327	800	830	860
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 12,524</b>	<b>\$ 13,148</b>	<b>\$ 17,380</b>	<b>\$ 22,470</b>	<b>\$ 23,060</b>
<b>5300</b>	<b>Debt Service</b>					
<b>4400</b>	<b>Allocation to Capital</b>	-	-	(26,400)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 1,343,084</b>	<b>\$ 1,422,086</b>	<b>\$ 1,666,578</b>	<b>\$ 1,798,074</b>	<b>\$ 1,884,425</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ 3,428</b>	<b>\$ 2,000</b>	<b>\$ 7,150</b>	<b>\$ 7,300</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,343,084</b>	<b>\$ 1,425,514</b>	<b>\$ 1,668,578</b>	<b>\$ 1,805,224</b>	<b>\$ 1,891,725</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
RIGHT-OF-WAY 5340  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	112,818	115,352	115,086	117,391	120,326
4110	Overtime			-		
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	60,859	69,912	82,734	86,223	90,812
	<b>Personnel Services</b>	<b>\$ 173,677</b>	<b>\$ 185,263</b>	<b>\$ 197,820</b>	<b>\$ 203,615</b>	<b>\$ 211,138</b>
4500	Fees & Subscriptions	1,132	329	2,450	2,550	2,650
5200	Communications & Freight	456	456	600	650	700
5400	Taxes, Fees & Licenses	53,965	51,417	69,500	72,860	76,400
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 55,553</b>	<b>\$ 52,202</b>	<b>\$ 72,550</b>	<b>\$ 76,060</b>	<b>\$ 79,750</b>
4600	Supplies	-	-		300	300
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 300</b>	<b>\$ 300</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	6,937	7,149	8,033	8,300	8,650
6000	Conservation					
6200	Professional Fees	29,500	-	26,000	20,000	20,000
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 36,437</b>	<b>\$ 7,149</b>	<b>\$ 34,033</b>	<b>\$ 28,300</b>	<b>\$ 28,650</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 265,666</b>	<b>\$ 244,614</b>	<b>\$ 304,403</b>	<b>\$ 308,275</b>	<b>\$ 319,838</b>
<b>8000</b>	<b>Capital Purchases</b>	-	-	13,200	12,700	12,700
	<b>Total Operating and Capital Purchases</b>	<b>\$ 265,666</b>	<b>\$ 244,614</b>	<b>\$ 317,603</b>	<b>\$ 320,975</b>	<b>\$ 332,538</b>



The logo of the Marin Municipal Water District is a circular emblem. It features a light blue outer ring. Inside the ring, there is a green mountain range with three peaks. Below the mountains, there are three wavy blue lines representing water. The text "MARIN MUNICIPAL WATER DISTRICT" is written in black, uppercase letters across the top of the emblem, and "OPERATIONS DIVISION" is written in black, uppercase letters across the middle of the emblem.

# MARIN MUNICIPAL WATER DISTRICT

OPERATIONS DIVISION

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**OPERATIONS DIVISION**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	5,948,677	6,564,300	6,856,776	7,030,164	7,230,247
4110	Overtime	298,872	329,016	219,137	231,000	231,750
4190	Temporary	55,273	51,629	119,100	101,082	103,288
4170	Director Fees	-	-	-	-	-
4195	Contract Help	-	-	-	-	-
4200	Fringe Benefits	3,289,639	3,842,459	4,521,082	4,913,929	5,176,689
	<b>Personnel Services</b>	<b>\$ 9,592,461</b>	<b>\$ 10,787,404</b>	<b>\$ 11,716,095</b>	<b>\$ 12,276,175</b>	<b>\$ 12,741,974</b>
4500	Fees & Subscriptions	29,995	34,319	55,550	66,055	65,700
5200	Communications & Freight	60,904	58,994	70,068	72,518	72,618
5400	Taxes, Fees & Licenses	147,603	151,745	191,461	260,720	261,060
5500	Insurance	-	-	-	-	-
5600	Misc Expenses	21,300	8,807	34,350	21,550	21,550
	<b>General &amp; Admin</b>	<b>\$ 259,802</b>	<b>\$ 253,865</b>	<b>\$ 351,429</b>	<b>\$ 420,843</b>	<b>\$ 420,928</b>
4600	Supplies	190,249	252,352	222,097	293,974	266,474
4700	Materials	159,549	128,859	144,350	158,450	158,450
4900	Chemicals	1,223,717	1,479,708	1,709,519	1,764,446	1,930,190
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 1,573,515</b>	<b>\$ 1,860,919</b>	<b>\$ 2,075,966</b>	<b>\$ 2,216,870</b>	<b>\$ 2,355,114</b>
5100	Automotive	(10,661)	45,205	5,000	5,000	5,000
5800	Construction Contracts	-	125	-	-	-
5900	Equipment & Fac Rental	4,973	633,347	534,550	187,050	187,050
6000	Conservation	-	-	-	-	-
6200	Professional Fees	141,670	95,492	399,375	670,435	491,935
6300	Repair & Maintenance	184,598	122,302	277,299	296,647	300,647
6500	Small Tools & Equipment	8,976	20,941	25,550	30,950	30,950
6600	Utilities	43,995	46,425	95,431	101,330	105,559
	<b>District Operations</b>	<b>\$ 373,551</b>	<b>\$ 963,837</b>	<b>\$ 1,337,205</b>	<b>\$ 1,291,412</b>	<b>\$ 1,121,141</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	(415,372)	(597,290)	(391,320)	(391,320)	(391,320)
	<b>Total Operating Expenditures</b>	<b>\$ 11,383,957</b>	<b>\$ 13,268,735</b>	<b>\$ 15,089,375</b>	<b>\$ 15,813,980</b>	<b>\$ 16,247,837</b>
8000	Capital Purchases	251,854	178,345	342,864	283,259	300,370
	<b>Total Operating and Capital Purchases</b>	<b>\$ 11,635,811</b>	<b>\$ 13,447,080</b>	<b>\$ 15,432,239</b>	<b>\$ 16,097,239</b>	<b>\$ 16,548,207</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**OPERATIONS ADMIN 5610**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	5,305	268,816	199,799	224,270	241,391
4110	Overtime			-		
4190	Temporary			-		
4170	Director Fees					
4195	Contract Help			-		
4200	Fringe Benefits	942	102,765	120,329	129,521	141,702
	<b>Personnel Services</b>	<b>\$ 6,246</b>	<b>\$ 371,581</b>	<b>\$ 320,129</b>	<b>\$ 353,791</b>	<b>\$ 383,093</b>
4500	Fees & Subscriptions	-	1,207	6,350	6,355	6,000
5200	Communications & Freight			-		
5400	Taxes, Fees & Licenses	-	-	-	65,500	65,500
5500	Insurance					
5600	Misc Expenses	-	-	500	-	-
	<b>General &amp; Admin</b>	<b>\$ -</b>	<b>\$ 1,207</b>	<b>\$ 6,850</b>	<b>\$ 71,855</b>	<b>\$ 71,500</b>
4600	Supplies	-	-	-	700	700
4700	Materials			-		
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 700</b>	<b>\$ 700</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	-	-		300,000	200,000
6300	Repair & Maintenance	-	-		2,650	2,650
6500	Small Tools & Equipment	-	3,424		500	500
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ 3,424</b>	<b>\$ -</b>	<b>\$ 303,150</b>	<b>\$ 203,150</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 6,246</b>	<b>\$ 376,212</b>	<b>\$ 326,979</b>	<b>\$ 729,496</b>	<b>\$ 658,443</b>
8000	<b>Capital Purchases</b>	-	1,285	\$ -	2,200	-
	<b>Total Operating and Capital Purchases</b>	<b>\$ 6,246</b>	<b>\$ 377,497</b>	<b>\$ 326,979</b>	<b>\$ 731,696</b>	<b>\$ 658,443</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**SAFETY & EMERGENCY 5620**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget	2022	2023
					<i>Proposed</i>	<i>Proposed</i>
4100	Regular Salaries & Wages	201,530	207,725	242,509	264,204	270,809
4110	Overtime	1,224	1,332	1,300	-	-
4190	Temporary					
4170	Director Fees					
4195	Contract Help			-		
4200	Fringe Benefits	112,001	141,417	161,333	188,483	198,147
	<b>Personnel Services</b>	<b>\$ 314,755</b>	<b>\$ 350,474</b>	<b>\$ 405,142</b>	<b>\$ 452,687</b>	<b>\$ 468,956</b>
4500	Fees & Subscriptions	14,059	11,621	8,125	6,500	6,500
5200	Communications & Freight	1,238	829	1,368	1,368	1,368
5400	Taxes, Fees & Licenses	26,535	25,559	21,500	26,000	26,000
5500	Insurance					
5600	Misc Expenses	17,371	7,133	30,500	18,500	18,500
	<b>General &amp; Admin</b>	<b>\$ 59,203</b>	<b>\$ 45,142</b>	<b>\$ 61,493</b>	<b>\$ 52,368</b>	<b>\$ 52,368</b>
4600	Supplies	38,184	75,555	51,800	119,000	88,300
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 38,184</b>	<b>\$ 75,555</b>	<b>\$ 51,800</b>	<b>\$ 119,000</b>	<b>\$ 88,300</b>
5100	Automotive	(1,224)	(867)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	25,846	15,081	107,950	113,510	112,510
6300	Repair & Maintenance	22,936	21,868	6,000	10,000	10,000
6500	Small Tools & Equipment	-	4,634	2,050	6,150	6,150
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 47,559</b>	<b>\$ 40,716</b>	<b>\$ 116,000</b>	<b>\$ 129,660</b>	<b>\$ 128,660</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 459,701</b>	<b>\$ 511,887</b>	<b>\$ 634,435</b>	<b>\$ 753,715</b>	<b>\$ 738,284</b>
8000	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ 6,888</b>	<b>\$ -</b>	<b>\$ 112,000</b>	<b>\$ 112,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 459,701</b>	<b>\$ 518,774</b>	<b>\$ 634,435</b>	<b>\$ 865,715</b>	<b>\$ 850,284</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**WATER TREATMENT OPS 5630**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget	2022	2023
					<i>Proposed</i>	<i>Proposed</i>
4100	Regular Salaries & Wages	1,792,607	1,934,527	1,883,368	1,925,485	1,976,799
4110	Overtime	150,058	147,497	106,837	110,000	110,000
4190	Temporary	29,750	29,750	39,100	40,082	41,288
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	1,009,890	1,130,114	1,192,849	1,371,510	1,448,558
	<b>Personnel Services</b>	<b>\$ 2,982,304</b>	<b>\$ 3,241,888</b>	<b>\$ 3,222,154</b>	<b>\$ 3,447,077</b>	<b>\$ 3,576,645</b>
4500	Fees & Subscriptions	3,319	11,152	14,625	11,550	11,550
5200	Communications & Freight	754	679	1,400	1,650	1,650
5400	Taxes, Fees & Licenses	2,042	2,421	4,161	3,740	4,260
5500	Insurance					
5600	Misc Expenses	502	185	150	350	350
	<b>General &amp; Admin</b>	<b>\$ 6,617</b>	<b>\$ 14,437</b>	<b>\$ 20,336</b>	<b>\$ 17,290</b>	<b>\$ 17,810</b>
4600	Supplies	70,195	88,964	87,422	92,674	93,874
4700	Materials	891	1,196	3,250	9,100	9,100
4900	Chemicals	1,185,880	1,369,791	1,659,019	1,655,446	1,821,190
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 1,256,965</b>	<b>\$ 1,459,951</b>	<b>\$ 1,749,691</b>	<b>\$ 1,757,220</b>	<b>\$ 1,924,164</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	-	6,210	25,000	28,000	28,000
6000	Rebates & Backflow					
6200	Professional Fees	854	30,544	2,825	102,825	2,825
6300	Repair & Maintenance	25,222	14,267	100,349	105,997	105,997
6500	Small Tools & Equipment	1,117	616	3,850	3,950	3,950
6600	Utilities	37,062	41,715	85,931	90,830	95,059
	<b>District Operations</b>	<b>\$ 64,256</b>	<b>\$ 93,352</b>	<b>\$ 217,955</b>	<b>\$ 331,602</b>	<b>\$ 235,831</b>
5300	Debt Service	-	-		-	-
4400	Allocation to Capital	-	-		-	-
	<b>Total Operating Expenditures</b>	<b>\$ 4,310,142</b>	<b>\$ 4,809,628</b>	<b>\$ 5,210,136</b>	<b>\$ 5,553,189</b>	<b>\$ 5,754,450</b>
8000	Capital Purchases	\$ 49,987	\$ 32,504	\$ 49,864	\$ 51,364	\$ 53,500
	<b>Total Operating and Capital Purchases</b>	<b>\$ 4,360,130</b>	<b>\$ 4,842,132</b>	<b>\$ 5,260,000</b>	<b>\$ 5,604,553</b>	<b>\$ 5,807,950</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**WATER QUALITY LAB 5640**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget	2022 <i>Proposed</i>	2023 <i>Proposed</i>
4100	Regular Salaries & Wages	880,785	963,061	959,112	965,514	994,071
4110	Overtime	23,676	28,697	-	25,000	25,000
4190	Temporary	25,523	21,879	40,000	41,000	42,000
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	455,014	531,027	582,553	685,297	714,935
	<b>Personnel Services</b>	<b>\$ 1,384,998</b>	<b>\$ 1,544,664</b>	<b>\$ 1,581,665</b>	<b>\$ 1,716,810</b>	<b>\$ 1,776,006</b>
4500	Fees & Subscriptions	3,875	4,918	5,950	14,700	14,700
5200	Communications & Freight	1,636	1,721	2,000	3,000	3,100
5400	Taxes, Fees & Licenses	118,395	122,915	159,000	159,000	159,000
5500	Insurance					
5600	Misc Expenses	249	156	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 124,156</b>	<b>\$ 129,709</b>	<b>\$ 166,950</b>	<b>\$ 176,700</b>	<b>\$ 176,800</b>
4600	Supplies	67,178	75,653	69,600	69,600	71,600
4700	Materials	1,054	4,423	2,200	1,050	1,050
4900	Chemicals	37,837	109,917	50,500	109,000	109,000
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 106,069</b>	<b>\$ 189,993</b>	<b>\$ 122,300</b>	<b>\$ 179,650</b>	<b>\$ 181,650</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	2,423	2,239	9,050	9,050	9,050
6000	Rebates & Backflow					
6200	Professional Fees	79,328	42,789	236,500	102,000	124,500
6300	Repair & Maintenance	40,263	25,217	43,500	51,000	55,000
6500	Small Tools & Equipment	3,717	2,508	8,200	8,250	8,250
6600	Utilities	6,690	4,044	9,000	10,000	10,000
	<b>District Operations</b>	<b>\$ 132,421</b>	<b>\$ 76,797</b>	<b>\$ 306,250</b>	<b>\$ 180,300</b>	<b>\$ 206,800</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	(20,240)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 1,747,645</b>	<b>\$ 1,941,163</b>	<b>\$ 2,156,925</b>	<b>\$ 2,253,460</b>	<b>\$ 2,341,256</b>
8000	<b>Capital Purchases</b>	<b>\$ 179,331</b>	<b>\$ 112,463</b>	<b>\$ 263,000</b>	<b>\$ 75,000</b>	<b>\$ 93,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,926,976</b>	<b>\$ 2,053,626</b>	<b>\$ 2,419,925</b>	<b>\$ 2,328,460</b>	<b>\$ 2,434,256</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**BACKFLOW & RECLAMATION 5650**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	282,964	243,547	316,588	486,295	503,671
4110	Overtime	66	-	1,000	500	500
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	157,666	162,686	213,365	318,500	337,652
	<b>Personnel Services</b>	<b>\$ 440,696</b>	<b>\$ 406,232</b>	<b>\$ 530,953</b>	<b>\$ 805,294</b>	<b>\$ 841,823</b>
4500	Fees & Subscriptions	3,604	4,392	13,950	12,950	12,950
5200	Communications & Freight	3,091	2,835	3,300	3,300	3,300
5400	Taxes, Fees & Licenses	176	-	6,000	5,000	5,000
5500	Insurance					
5600	Misc Expenses	2,588	750	3,200	2,700	2,700
	<b>General &amp; Admin</b>	<b>\$ 9,459</b>	<b>\$ 7,977</b>	<b>\$ 26,450</b>	<b>\$ 23,950</b>	<b>\$ 23,950</b>
4600	Supplies	104	78	2,025	525	525
4700	Materials	877	-	1,300	1,300	1,300
4900	Chemicals	-	-			
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 980</b>	<b>\$ 78</b>	<b>\$ 3,325</b>	<b>\$ 1,825</b>	<b>\$ 1,825</b>
5100	Automotive	-	(616)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	-	-	2,100	2,100	2,100
6300	Repair & Maintenance	136	-	450	-	-
6500	Small Tools & Equipment	-	1,696	2,450	2,900	2,900
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 136</b>	<b>\$ 1,080</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>	<b>\$ 5,000</b>
5300	<b>Debt Service</b>	-	-		-	-
4400	<b>Allocation to Capital</b>	-	-	(2,200)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 451,271</b>	<b>\$ 415,368</b>	<b>\$ 563,528</b>	<b>\$ 836,069</b>	<b>\$ 872,598</b>
8000	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 451,271</b>	<b>\$ 415,368</b>	<b>\$ 563,528</b>	<b>\$ 836,069</b>	<b>\$ 872,598</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**SYSTEM CONTROL OPS ADMIN 5660**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	-	-	3,051,914	311,018	318,793
4110	Overtime			110,000		
4190	Temporary			40,000		
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	2,062,819	211,148	222,055
	<b>Personnel Services</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,264,733</b>	<b>\$ 522,166</b>	<b>\$ 540,849</b>
4500	Fees & Subscriptions	-	-	6,550	2,200	2,200
5200	Communications & Freight	-	-	62,000	62,000	62,000
5400	Taxes, Fees & Licenses	-	-	800	140	-
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 69,350</b>	<b>\$ 64,340</b>	<b>\$ 64,200</b>
4600	Supplies	-	-	11,250	250	250
4700	Materials			137,600		
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 148,850</b>	<b>\$ 250</b>	<b>\$ 250</b>
5100	Automotive			5,000		
5800	Construction Contracts					
5900	Equipment & Fac Rental			500,500		
6000	Rebates & Backflow					
6200	Professional Fees	-	-	50,000	24,500	24,500
6300	Repair & Maintenance			127,000		
6500	Small Tools & Equipment			9,000		
6600	Utilities	-	-	500	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 692,000</b>	<b>\$ 24,500</b>	<b>\$ 24,500</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	136	(363,880)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ -</b>	<b>\$ 136</b>	<b>\$ 5,811,053</b>	<b>\$ 611,256</b>	<b>\$ 629,799</b>
8000	<b>Capital Purchases</b>	<b>\$ 22,535</b>	<b>\$ 25,204</b>	<b>\$ 30,000</b>	<b>\$ 40,000</b>	<b>\$ 40,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 22,535</b>	<b>\$ 25,340</b>	<b>\$ 5,841,053</b>	<b>\$ 651,256</b>	<b>\$ 669,799</b>



**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**SYSTEM CONTROL 5662**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget	2022	2023
					<i>Proposed</i>	<i>Proposed</i>
4100	Regular Salaries & Wages	-	-	-	493,230	505,561
4110	Overtime	-	-	-	20,500	20,500
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	-	348,893	367,268
	<b>Personnel Services</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 862,623</b>	<b>\$ 893,329</b>
4500	Fees & Subscriptions	-	-	-	1,000	1,000
5200	Communications & Freight					
5400	Taxes, Fees & Licenses	-	-	-	200	200
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>
4600	Supplies	-	-	-	1,000	1,000
4700	Materials	-	-	-	28,000	28,000
4900	Chemicals			-	-	-
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 29,000</b>	<b>\$ 29,000</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	-	-	-	58,000	58,000
6500	Small Tools & Equipment	-	-	-	1,000	1,000
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 59,000</b>	<b>\$ 59,000</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 951,823</b>	<b>\$ 982,529</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 951,823</b>	<b>\$ 982,529</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**MECHANICAL & ELECTRICAL 5665**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	-	-	-	1,063,384	1,089,969
4110	Overtime	-	-	-	50,000	50,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help	-	-			
4200	Fringe Benefits	-	-	-	764,846	804,245
	<b>Personnel Services</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,878,230</b>	<b>\$ 1,944,214</b>
4500	Fees & Subscriptions	-	-	-	2,500	2,500
5200	Communications & Freight					
5400	Taxes, Fees & Licenses	-	-	-	600	600
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,100</b>	<b>\$ 3,100</b>
4600	Supplies	-	-	-	7,000	7,000
4700	Materials	-	-	-	104,000	104,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 111,000</b>	<b>\$ 111,000</b>
5100	Automotive	-	-	-	5,000	5,000
5800	Construction Contracts					
5900	Equipment & Fac Rental	-	-	-	150,000	150,000
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance	-	-	-	68,000	68,000
6500	Small Tools & Equipment	-	-	-	5,500	5,500
6600	Utilities	-	-	-	500	500
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 229,000</b>	<b>\$ 229,000</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,221,330</b>	<b>\$ 2,287,314</b>
8000	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,221,330</b>	<b>\$ 2,287,314</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**DISTRIBUTION OPS ADMIN 5670**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	-	-	-	171,314	175,597
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	-	114,266	119,985
	<b>Personnel Services</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 285,581</b>	<b>\$ 295,582</b>
4500	Fees & Subscriptions	-	-	-	2,400	2,400
5200	Communications & Freight					
5400	Taxes, Fees & Licenses	-	-	-	140	-
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,540</b>	<b>\$ 2,400</b>
4600	Supplies	-	-	-	325	325
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 325</b>	<b>\$ 325</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	-	-	-	25,000	25,000
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>
<b>5300</b>	<b>Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>4400</b>	<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Operating Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 313,446</b>	<b>\$ 323,307</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 313,446</b>	<b>\$ 323,307</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**CORROSION CONTROL 5672**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget	2022	2023
					<i>Proposed</i>	<i>Proposed</i>
4100	Regular Salaries & Wages	-	-	-	364,720	373,838
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	-	259,529	273,053
	<b>Personnel Services</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 624,248</b>	<b>\$ 646,890</b>
4500	Fees & Subscriptions	-	-	-	3,700	3,700
5200	Communications & Freight	-	-	-	600	600
5400	Taxes, Fees & Licenses	-	-	-	120	120
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,420</b>	<b>\$ 4,420</b>
4600	Supplies	-	-	-	1,700	1,700
4700	Materials	-	-	-	15,000	15,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 16,700</b>	<b>\$ 16,700</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees	-	-	-	500	500
6300	Repair & Maintenance	-	-	-	1,000	1,000
6500	Small Tools & Equipment	-	-	-	2,500	2,500
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 649,368</b>	<b>\$ 672,010</b>
8000	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,145</b>	<b>\$ 1,320</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 651,513</b>	<b>\$ 673,330</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**WATER DISTRIBUTION 5675**  
**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget	2022 <i>Proposed</i>	2023 <i>Proposed</i>
4100	Regular Salaries & Wages	-	-	-	760,730	779,749
4110	Overtime	-	-	-	25,000	25,750
4190	Temporary	-	-	-	20,000	20,000
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	-	521,937	549,089
	<b>Personnel Services</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,327,667</b>	<b>\$ 1,374,587</b>
4500	Fees & Subscriptions	-	-	-	2,200	2,200
5200	Communications & Freight	-	-	-	600	600
5400	Taxes, Fees & Licenses	-	-	-	280	380
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,080</b>	<b>\$ 3,180</b>
4600	Supplies	-	-	-	1,200	1,200
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,200</b>	<b>\$ 1,200</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment	-	-	-	200	200
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 200</b>	<b>\$ 200</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,332,147</b>	<b>\$ 1,379,167</b>
8000	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 550</b>	<b>\$ 550</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,332,697</b>	<b>\$ 1,379,717</b>

The logo is a circular emblem. The top half features a light blue arc representing a sun or sky. Below this is a green mountain range with a textured, stippled appearance. The bottom half of the circle is filled with light blue wavy lines representing water. The text "MARIN MUNICIPAL WATER DISTRICT" is centered horizontally across the upper portion of the emblem, and "FACILITIES & WATERSHED DIVISION" is centered horizontally across the middle portion.

# MARIN MUNICIPAL WATER DISTRICT

FACILITIES & WATERSHED DIVISION

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
FACILITIES & WATERSHED DIVISION  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	8,390,260	8,946,034	9,325,423	9,277,162	9,788,661
4110	Overtime	706,181	692,482	678,185	667,608	683,147
4190	Temporary	236,880	192,348	303,914	282,872	288,718
4170	Director Fees	-	-	-	-	-
4195	Contract Help	515,792	314,901	338,031	346,888	356,136
4200	Fringe Benefits	5,388,406	6,123,072	6,345,816	6,732,580	7,259,673
	<b>Personnel Services</b>	<b>\$ 15,237,518</b>	<b>\$ 16,268,837</b>	<b>\$ 16,991,369</b>	<b>\$ 17,307,111</b>	<b>\$ 18,376,334</b>
4500	Fees & Subscriptions	45,156	53,414	106,625	102,885	103,280
5200	Communications & Freight	48,827	52,498	53,128	58,998	60,825
5400	Taxes, Fees & Licenses	197,347	209,309	225,550	254,800	254,800
5500	Insurance	-	-	-	-	-
5600	Misc Expenses	38,318	30,930	45,550	48,650	49,375
	<b>General &amp; Admin</b>	<b>\$ 329,647</b>	<b>\$ 346,151</b>	<b>\$ 430,853</b>	<b>\$ 465,333</b>	<b>\$ 468,280</b>
4600	Supplies	124,965	108,721	182,200	178,750	182,600
4700	Materials	388,773	416,344	512,800	526,500	538,050
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 513,738</b>	<b>\$ 525,065</b>	<b>\$ 695,000</b>	<b>\$ 705,250</b>	<b>\$ 720,650</b>
5100	Automotive	256,057	283,926	618,700	691,500	694,000
5800	Construction Contracts	1,409,605	1,437,463	1,130,000	1,820,000	1,925,000
5900	Equipment & Fac Rental	110,975	133,076	151,300	201,800	202,000
6000	Conservation	120,394	48,251	443,500	331,000	341,000
6200	Professional Fees	520,143	513,552	479,162	931,122	859,485
6300	Repair & Maintenance	1,220,101	360,337	957,580	927,100	945,600
6500	Small Tools & Equipment	64,681	52,787	93,800	99,900	101,000
6600	Utilities	91,821	85,159	121,150	124,500	126,250
	<b>District Operations</b>	<b>\$ 3,793,778</b>	<b>\$ 2,914,551</b>	<b>\$ 3,995,192</b>	<b>\$ 5,126,922</b>	<b>\$ 5,194,335</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	(1,506,749)	(1,600,553)	(1,365,680)	(1,365,680)	(1,365,680)
	<b>Total Operating Expenditures</b>	<b>\$ 18,367,932</b>	<b>\$ 18,454,051</b>	<b>\$ 20,746,734</b>	<b>\$ 22,238,936</b>	<b>\$ 23,393,919</b>
8000	Capital Purchases	\$ 502,849	\$ 275,323	\$ 908,700	\$ 860,500	\$ 900,800
	<b>Total Operating and Capital Purchases</b>	<b>\$ 18,870,781</b>	<b>\$ 18,729,374</b>	<b>\$ 21,655,434</b>	<b>\$ 23,099,436</b>	<b>\$ 24,294,719</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
FACILITIES & WATERSHED ADMINISTRATION 6010  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	663,602	773,446	756,469	604,555	622,571
4110	Overtime	6,389	3,688	2,000	2,000	2,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	322,116	418,063	469,891	414,004	437,096
	<b>Personnel Services</b>	<b>\$ 992,107</b>	<b>\$ 1,195,197</b>	<b>\$ 1,228,360</b>	<b>\$ 1,020,558</b>	<b>\$ 1,061,667</b>
4500	Fees & Subscriptions	8,333	1,817	10,388	10,500	10,500
5200	Communications & Freight	32,109	33,823	29,000	30,000	32,000
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	110	57	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 40,553</b>	<b>\$ 35,697</b>	<b>\$ 39,388</b>	<b>\$ 40,500</b>	<b>\$ 42,500</b>
4600	Supplies	6,929	6,979	11,500	11,500	11,500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 6,929</b>	<b>\$ 6,979</b>	<b>\$ 11,500</b>	<b>\$ 11,500</b>	<b>\$ 11,500</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	2,410	2,517	3,000	3,000	3,000
6000	Conservation					
6200	Professional Fees	-	9,800	11,000	-	-
6300	Repair & Maintenance	4,028	2,674		-	-
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 6,439</b>	<b>\$ 14,991</b>	<b>\$ 14,000</b>	<b>\$ 3,000</b>	<b>\$ 3,000</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	(9,680)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 1,046,028</b>	<b>\$ 1,252,864</b>	<b>\$ 1,283,568</b>	<b>\$ 1,075,558</b>	<b>\$ 1,118,667</b>
<b>8000</b>	<b>Capital Purchases</b>	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,046,028</b>	<b>\$ 1,252,864</b>	<b>\$ 1,283,568</b>	<b>\$ 1,075,558</b>	<b>\$ 1,118,667</b>



**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
WATER CONSERVATION 6040  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	706,850	919,911	1,089,948	873,786	1,002,314
4110	Overtime	-	1,942	7,000	7,000	7,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	391,956	523,887	679,564	582,754	682,067
	<b>Personnel Services</b>	<b>\$ 1,098,806</b>	<b>\$ 1,445,741</b>	<b>\$ 1,776,512</b>	<b>\$ 1,463,540</b>	<b>\$ 1,691,381</b>
4500	Fees & Subscriptions	7,989	13,184	16,870	17,250	17,250
5200	Communications & Freight	2,954	4,229	7,900	7,900	7,900
5400	Taxes, Fees & Licenses	-	55	150	150	150
5500	Insurance					
5600	Misc Expenses	19,992	2,614	18,050	18,550	18,550
	<b>General &amp; Admin</b>	<b>\$ 30,935</b>	<b>\$ 20,083</b>	<b>\$ 42,970</b>	<b>\$ 43,850</b>	<b>\$ 43,850</b>
4600	Supplies	29,299	6,132	32,300	32,500	32,500
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 29,299</b>	<b>\$ 6,132</b>	<b>\$ 32,300</b>	<b>\$ 32,500</b>	<b>\$ 32,500</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	3,154	-	3,000	6,000	6,000
6000	Conservation	120,394	48,251	443,500	331,000	341,000
6200	Professional Fees	39,349	54,968	63,500	110,000	110,000
6300	Repair & Maintenance	4,565	-	1,400	2,000	2,000
6500	Small Tools & Equipment	465	7,035	1,000	3,000	3,000
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 167,927</b>	<b>\$ 110,255</b>	<b>\$ 512,400</b>	<b>\$ 452,000</b>	<b>\$ 462,000</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 1,326,967</b>	<b>\$ 1,582,210</b>	<b>\$ 2,364,182</b>	<b>\$ 1,991,890</b>	<b>\$ 2,229,731</b>
8000	Capital Purchases	\$ -	\$ 1,716	\$ 2,000	\$ -	\$ -
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,326,967</b>	<b>\$ 1,583,927</b>	<b>\$ 2,366,182</b>	<b>\$ 1,991,890</b>	<b>\$ 2,229,731</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
SUPPORT SERVICES SUPERVISION 6110  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	92,246	104,446	103,603	-	-
4110	Overtime			-		
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	75,826	53,214	63,675	-	-
	<b>Personnel Services</b>	<b>\$ 168,072</b>	<b>\$ 157,660</b>	<b>\$ 167,278</b>	<b>\$ -</b>	<b>\$ -</b>
4500	Fees & Subscriptions	20	-	1,500	-	-
5200	Communications & Freight	240	240	270	-	-
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 260</b>	<b>\$ 240</b>	<b>\$ 1,770</b>	<b>\$ -</b>	<b>\$ -</b>
4600	Supplies	-	-		-	-
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive	(1,248)	(884)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ (1,248)</b>	<b>\$ (884)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>5300</b>	<b>Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>4400</b>	<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Operating Expenditures</b>	<b>\$ 167,084</b>	<b>\$ 157,016</b>	<b>\$ 169,048</b>	<b>\$ -</b>	<b>\$ -</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 167,084</b>	<b>\$ 157,016</b>	<b>\$ 169,048</b>	<b>\$ -</b>	<b>\$ -</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
WAREHOUSE 6120  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	175,356	172,928	183,274	184,254	188,860
4110	Overtime	368	105	-	-	-
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	108,482	118,861	136,988	145,904	152,543
	<b>Personnel Services</b>	<b>\$ 284,207</b>	<b>\$ 291,894</b>	<b>\$ 320,262</b>	<b>\$ 330,158</b>	<b>\$ 341,403</b>
4500	Fees & Subscriptions					
5200	Communications & Freight					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	1,269	693	2,250	2,250	2,250
	<b>General &amp; Admin</b>	<b>\$ 1,269</b>	<b>\$ 693</b>	<b>\$ 2,250</b>	<b>\$ 2,250</b>	<b>\$ 2,250</b>
4600	Supplies	20,496	19,062	30,000	30,000	30,000
4700	Materials	4,516	4,261	8,000	8,000	8,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 25,012</b>	<b>\$ 23,323</b>	<b>\$ 38,000</b>	<b>\$ 38,000</b>	<b>\$ 38,000</b>
5100	Automotive	(2,280)	(1,615)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental	3,436	3,436	4,000	4,000	4,000
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 1,156</b>	<b>\$ 1,821</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>	<b>\$ 4,000</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 311,644</b>	<b>\$ 317,732</b>	<b>\$ 364,512</b>	<b>\$ 374,408</b>	<b>\$ 385,653</b>
<b>8000</b>	<b>Capital Purchases</b>	-	-	-	-	-
	<b>Total Operating and Capital Purchases</b>	<b>\$ 311,644</b>	<b>\$ 317,732</b>	<b>\$ 364,512</b>	<b>\$ 374,408</b>	<b>\$ 385,653</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**AUTOSHOP 6130**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	283,976	261,869	290,526	385,775	399,842
4110	Overtime	33	2,238	2,500	2,500	2,500
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	162,087	175,339	220,205	290,342	308,293
	<b>Personnel Services</b>	<b>\$ 446,096</b>	<b>\$ 439,447</b>	<b>\$ 513,231</b>	<b>\$ 678,617</b>	<b>\$ 710,635</b>
4500	Fees & Subscriptions	6,734	7,505	9,700	10,450	10,450
5200	Communications & Freight	-	-		240	240
5400	Taxes, Fees & Licenses	298	1,227	3,300	3,000	3,000
5500	Insurance					
5600	Misc Expenses	1,078	1,340	1,600	1,700	1,700
	<b>General &amp; Admin</b>	<b>\$ 8,110</b>	<b>\$ 10,072</b>	<b>\$ 14,600</b>	<b>\$ 15,390</b>	<b>\$ 15,390</b>
4600	Supplies	5,908	5,082	19,500	13,000	13,000
4700	Materials	265	440	1,000	1,000	1,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 6,172</b>	<b>\$ 5,522</b>	<b>\$ 20,500</b>	<b>\$ 14,000</b>	<b>\$ 14,000</b>
5100	Automotive	269,158	294,119	618,200	691,000	693,500
5800	Construction Contracts					
5900	Equipment & Fac Rental	44,020	39,397	50,000	50,000	50,000
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance	15,748	13,611	17,100	23,100	23,100
6500	Small Tools & Equipment	2,498	2,375	3,000	4,000	4,000
6600	Utilities	4,564	5,155	6,500	7,000	7,000
	<b>District Operations</b>	<b>\$ 335,988</b>	<b>\$ 354,657</b>	<b>\$ 694,800</b>	<b>\$ 775,100</b>	<b>\$ 777,600</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	<b>(300,000)</b>	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 796,366</b>	<b>\$ 809,697</b>	<b>\$ 943,131</b>	<b>\$ 1,483,107</b>	<b>\$ 1,517,625</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>475,372</b>	<b>206,194</b>	<b>800,000</b>	<b>697,000</b>	<b>722,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,271,738</b>	<b>\$ 1,015,892</b>	<b>\$ 1,743,131</b>	<b>\$ 2,180,107</b>	<b>\$ 2,239,625</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
FACILITIES & SYSTEM SUPERVISION 6210  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	179,568	195,632	180,777	184,402	189,012
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	81,204	98,233	113,999	119,967	126,028
	<b>Personnel Services</b>	<b>\$ 260,772</b>	<b>\$ 293,864</b>	<b>\$ 294,776</b>	<b>\$ 304,369</b>	<b>\$ 315,040</b>
4500	Fees & Subscriptions	100	-	1,800	1,800	1,800
5200	Communications & Freight					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	-		-	-
	<b>General &amp; Admin</b>	<b>\$ 100</b>	<b>\$ -</b>	<b>\$ 1,800</b>	<b>\$ 1,800</b>	<b>\$ 1,800</b>
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>5300</b>	<b>Debt Service</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>4400</b>	<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Operating Expenditures</b>	<b>\$ 260,872</b>	<b>\$ 293,864</b>	<b>\$ 296,576</b>	<b>\$ 306,169</b>	<b>\$ 316,840</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 260,872</b>	<b>\$ 293,864</b>	<b>\$ 296,576</b>	<b>\$ 306,169</b>	<b>\$ 316,840</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
SYSTEM MAINTENANCE 6220  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	2,168,395	2,267,433	2,874,235	2,674,325	2,768,352
4110	Overtime	450,935	402,011	393,000	415,000	425,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	1,384,276	1,652,849	1,941,991	1,978,805	2,095,281
	<b>Personnel Services</b>	<b>\$ 4,003,606</b>	<b>\$ 4,322,293</b>	<b>\$ 5,209,226</b>	<b>\$ 5,068,130</b>	<b>\$ 5,288,633</b>
4500	Fees & Subscriptions	676	5,241	11,000	11,000	11,000
5200	Communications & Freight	2,100	2,751	3,000	4,000	4,000
5400	Taxes, Fees & Licenses	186,504	195,680	201,500	231,500	231,500
5500	Insurance					
5600	Misc Expenses	426	284	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 189,706</b>	<b>\$ 203,956</b>	<b>\$ 215,500</b>	<b>\$ 246,500</b>	<b>\$ 246,500</b>
4600	Supplies	11,075	17,910	16,000	17,000	18,000
4700	Materials	193,002	229,470	242,500	256,000	258,500
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 204,077</b>	<b>\$ 247,380</b>	<b>\$ 258,500</b>	<b>\$ 273,000</b>	<b>\$ 276,500</b>
5100	Automotive	(1,608)	(773)	500	500	500
5800	Construction Contracts	1,409,605	1,437,463	1,100,000	1,800,000	1,900,000
5900	Equipment & Fac Rental	725	71	5,000	8,000	8,000
6000	Conservation					
6200	Professional Fees	61,464	47,678	50,000	55,000	55,000
6300	Repair & Maintenance	403	2,147	11,600	9,000	9,000
6500	Small Tools & Equipment	22,231	11,721	31,000	33,000	33,000
6600	Utilities	68	100	1,000	1,000	1,000
	<b>District Operations</b>	<b>\$ 1,492,888</b>	<b>\$ 1,498,408</b>	<b>\$ 1,199,100</b>	<b>\$ 1,906,500</b>	<b>\$ 2,006,500</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	<b>17,405</b>	<b>20,189</b>	<b>(634,480)</b>	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 5,907,682</b>	<b>\$ 6,292,226</b>	<b>\$ 6,247,846</b>	<b>\$ 7,494,130</b>	<b>\$ 7,818,133</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ 3,319</b>	<b>\$ 46,576</b>	<b>\$ 56,200</b>	<b>\$ 51,800</b>	<b>\$ 67,300</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 5,911,001</b>	<b>\$ 6,338,802</b>	<b>\$ 6,304,046</b>	<b>\$ 7,545,930</b>	<b>\$ 7,885,433</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
FACILITY MAINTENANCE 6230  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	871,842	961,078	1,074,429	1,323,331	1,368,533
4110	Overtime	49,084	57,438	85,000	72,000	74,000
4190	Temporary	18,089	16,829	27,000	-	-
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	584,855	657,414	736,648	946,471	996,358
	<b>Personnel Services</b>	<b>\$ 1,523,869</b>	<b>\$ 1,692,759</b>	<b>\$ 1,923,076</b>	<b>\$ 2,341,802</b>	<b>\$ 2,438,891</b>
4500	Fees & Subscriptions	1,508	1,155	7,100	7,200	7,200
5200	Communications & Freight	1,978	1,978	2,700	3,800	3,800
5400	Taxes, Fees & Licenses	1,200	320	1,200	1,200	1,200
5500	Insurance					
5600	Misc Expenses	57	300	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 4,741</b>	<b>\$ 3,753</b>	<b>\$ 11,000</b>	<b>\$ 12,200</b>	<b>\$ 12,200</b>
4600	Supplies	31,146	37,095	44,500	46,100	48,700
4700	Materials	40,430	43,472	59,000	60,000	61,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 71,575</b>	<b>\$ 80,566</b>	<b>\$ 103,500</b>	<b>\$ 106,100</b>	<b>\$ 109,700</b>
5100	Automotive	(7,358)	(5,893)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental	-	418	5,000	6,000	6,000
6000	Conservation					
6200	Professional Fees	-	-	700	700	700
6300	Repair & Maintenance	124,582	159,236	180,000	215,000	220,000
6500	Small Tools & Equipment	9,746	6,743	11,000	11,100	11,200
6600	Utilities	5,697	6,351	5,500	7,000	7,500
	<b>District Operations</b>	<b>\$ 132,668</b>	<b>\$ 166,854</b>	<b>\$ 202,200</b>	<b>\$ 239,800</b>	<b>\$ 245,400</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	652	(121,000)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 1,732,854</b>	<b>\$ 1,944,584</b>	<b>\$ 2,118,776</b>	<b>\$ 2,699,902</b>	<b>\$ 2,806,191</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>	<b>\$ 10,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,732,854</b>	<b>\$ 1,944,584</b>	<b>\$ 2,118,776</b>	<b>\$ 2,719,902</b>	<b>\$ 2,816,191</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
SPECIAL PROJECTS 6240  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages	508,147	528,124	680,278	698,575	726,905
4110	Overtime	60,923	78,492	50,000	52,500	55,000
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	371,281	412,902	478,440	519,255	552,054
	<b>Personnel Services</b>	<b>\$ 940,351</b>	<b>\$ 1,019,518</b>	<b>\$ 1,208,717</b>	<b>\$ 1,270,330</b>	<b>\$ 1,333,959</b>
4500	Fees & Subscriptions	531	325	6,000	6,000	6,000
5200	Communications & Freight	2,360	2,368	1,500	1,500	1,500
5400	Taxes, Fees & Licenses	2,215	2,685	4,750	4,750	4,750
5500	Insurance					
5600	Misc Expenses	57	28	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 5,163</b>	<b>\$ 5,406</b>	<b>\$ 12,250</b>	<b>\$ 12,250</b>	<b>\$ 12,250</b>
4600	Supplies	2,466	2,463	3,000	3,250	3,500
4700	Materials	124,223	100,168	155,500	155,500	158,000
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 126,689</b>	<b>\$ 102,631</b>	<b>\$ 158,500</b>	<b>\$ 158,750</b>	<b>\$ 161,500</b>
5100	Automotive	(3,279)	(2,153)	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental	3,816	3,456	5,000	5,000	5,000
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance	-	-	2,000	2,000	2,000
6500	Small Tools & Equipment	1,015	4,303	4,000	4,000	4,000
6600	Utilities	67,411	58,134	90,000	90,000	90,000
	<b>District Operations</b>	<b>\$ 68,963</b>	<b>\$ 63,739</b>	<b>\$ 101,000</b>	<b>\$ 101,000</b>	<b>\$ 101,000</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
<b>4400</b>	<b>Allocation to Capital</b>	-	-	<b>(121,000)</b>	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 1,141,166</b>	<b>\$ 1,191,294</b>	<b>\$ 1,359,467</b>	<b>\$ 1,542,330</b>	<b>\$ 1,608,709</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,500</b>	<b>\$ 8,500</b>	<b>\$ 8,500</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,141,166</b>	<b>\$ 1,191,294</b>	<b>\$ 1,367,967</b>	<b>\$ 1,550,830</b>	<b>\$ 1,617,209</b>



**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
WATERSHED ADMINISTRATION 6710  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	197,990	190,061	260,281	249,260	263,465
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	146,150	138,228	177,558	170,692	180,586
	<b>Personnel Services</b>	<b>\$ 344,139</b>	<b>\$ 328,289</b>	<b>\$ 437,839</b>	<b>\$ 419,952</b>	<b>\$ 444,050</b>
4500	Fees & Subscriptions	898	401	2,500	2,500	2,500
5200	Communications & Freight	1,038	1,301	1,060	1,060	1,060
5400	Taxes, Fees & Licenses	3,994	3,136	4,100	4,100	4,100
5500	Insurance					
5600	Misc Expenses	2,939	3,632	4,300	4,300	4,300
	<b>General &amp; Admin</b>	<b>\$ 8,869</b>	<b>\$ 8,470</b>	<b>\$ 11,960</b>	<b>\$ 11,960</b>	<b>\$ 11,960</b>
4600	Supplies	5,958	3,954	5,100	5,100	5,100
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 5,958</b>	<b>\$ 3,954</b>	<b>\$ 5,100</b>	<b>\$ 5,100</b>	<b>\$ 5,100</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	4,841	4,989	4,500	4,800	5,000
6000	Conservation					
6200	Professional Fees	8,592	48,159	-	250,000	150,000
6300	Repair & Maintenance	18,612	6,689	17,480	17,500	17,500
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 32,044</b>	<b>\$ 59,836</b>	<b>\$ 21,980</b>	<b>\$ 272,300</b>	<b>\$ 172,500</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	(2,200)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 391,010</b>	<b>\$ 400,549</b>	<b>\$ 474,679</b>	<b>\$ 709,312</b>	<b>\$ 633,610</b>
8000	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 28,000</b>	<b>\$ 25,000</b>	<b>\$ 20,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 391,010</b>	<b>\$ 400,549</b>	<b>\$ 502,679</b>	<b>\$ 734,312</b>	<b>\$ 653,610</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
WATERSHED PROTECTION 6720  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	486,402	520,459	488,366	766,972	885,697
4110	Overtime	104,858	116,560	100,098	80,000	80,000
4190	Temporary	34,538	38,941	40,858	42,084	43,346
4170	Director Fees					
4195	Contract Help	419,012	224,495	229,031	230,428	237,142
4200	Fringe Benefits	325,514	338,889	371,713	609,420	720,712
	<b>Personnel Services</b>	<b>\$ 1,370,324</b>	<b>\$ 1,239,344</b>	<b>\$ 1,230,066</b>	<b>\$ 1,728,904</b>	<b>\$ 1,966,896</b>
4500	Fees & Subscriptions	5,463	8,745	12,932	10,400	10,400
5200	Communications & Freight	2,493	2,033	3,448	3,448	3,148
5400	Taxes, Fees & Licenses	389	-	6,100	6,100	6,100
5500	Insurance					
5600	Misc Expenses	3,748	9,391	2,600	2,600	2,600
	<b>General &amp; Admin</b>	<b>\$ 12,093</b>	<b>\$ 20,169</b>	<b>\$ 25,080</b>	<b>\$ 22,548</b>	<b>\$ 22,248</b>
4600	Supplies	10,039	8,791	17,100	17,100	17,100
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 10,039</b>	<b>\$ 8,791</b>	<b>\$ 17,100</b>	<b>\$ 17,100</b>	<b>\$ 17,100</b>
5100	Automotive	2,671	1,125	-	-	-
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees					
6300	Repair & Maintenance	8,234	15,524	28,000	26,000	26,000
6500	Small Tools & Equipment	7,666	8,232	12,300	14,300	14,300
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 18,571</b>	<b>\$ 24,882</b>	<b>\$ 40,300</b>	<b>\$ 40,300</b>	<b>\$ 40,300</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	10,133	12,094	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 1,421,161</b>	<b>\$ 1,305,280</b>	<b>\$ 1,312,546</b>	<b>\$ 1,808,852</b>	<b>\$ 2,046,544</b>
8000	Capital Purchases	\$ 18,197	\$ 20,836	\$ -	\$ 5,200	\$ -
	<b>Total Operating and Capital Purchases</b>	<b>\$ 1,439,358</b>	<b>\$ 1,326,116</b>	<b>\$ 1,312,546</b>	<b>\$ 1,814,052</b>	<b>\$ 2,046,544</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES**

**FISHERIES 6730**

**YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	161,213	102,629	267,092	255,081	258,141
4110	Overtime	238	216	1,270	1,308	1,347
4190	Temporary	18,821	16,094	19,200	20,491	21,106
4170	Director Fees					
4195	Contract Help	25,000	26,500	27,000	32,000	32,000
4200	Fringe Benefits	128,096	152,356	171,174	163,010	169,782
	<b>Personnel Services</b>	<b>\$ 333,367</b>	<b>\$ 297,794</b>	<b>\$ 485,737</b>	<b>\$ 471,890</b>	<b>\$ 482,376</b>
4500	Fees & Subscriptions	4,475	5,668	8,360	7,610	7,610
5200	Communications & Freight	420	420	-	600	600
5400	Taxes, Fees & Licenses	1,443	-	2,500	1,500	1,500
5500	Insurance					
5600	Misc Expenses	-	1,059	100	100	100
	<b>General &amp; Admin</b>	<b>\$ 6,338</b>	<b>\$ 7,147</b>	<b>\$ 10,960</b>	<b>\$ 9,810</b>	<b>\$ 9,810</b>
4600	Supplies					
4700	Materials	2,496	526	6,800	1,800	1,800
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 2,496</b>	<b>\$ 526</b>	<b>\$ 6,800</b>	<b>\$ 1,800</b>	<b>\$ 1,800</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	2,474	-	10,000	5,000	5,000
6000	Conservation					
6200	Professional Fees	75,361	88,559	105,850	150,000	150,000
6300	Repair & Maintenance					
6500	Small Tools & Equipment	3,460	7,002	13,500	13,500	13,500
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 81,295</b>	<b>\$ 95,561</b>	<b>\$ 129,350</b>	<b>\$ 168,500</b>	<b>\$ 168,500</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	-	-	(84,920)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 423,495</b>	<b>\$ 401,029</b>	<b>\$ 547,927</b>	<b>\$ 652,000</b>	<b>\$ 662,486</b>
8000	Capital Purchases	\$ -	\$ -	\$ -	\$ 24,000	\$ 24,000
	<b>Total Operating and Capital Purchases</b>	<b>\$ 423,495</b>	<b>\$ 401,029</b>	<b>\$ 547,927</b>	<b>\$ 676,000</b>	<b>\$ 686,486</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
VEGETATION & WILDLIFE MANAGEMENT 6740  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	189,231	224,148	356,535	362,207	376,906
4110	Overtime	5,316	1,112	12,500	5,300	5,300
4190	Temporary	121,741	69,120	130,700	132,297	134,266
4170	Director Fees					
4195	Contract Help	71,779	63,906	82,000	84,460	86,994
4200	Fringe Benefits	174,158	179,769	262,857	265,676	282,087
	<b>Personnel Services</b>	<b>\$ 562,225</b>	<b>\$ 538,054</b>	<b>\$ 844,592</b>	<b>\$ 849,941</b>	<b>\$ 885,553</b>
4500	Fees & Subscriptions	8,121	8,155	13,225	12,925	13,320
5200	Communications & Freight	1,075	1,045	4,250	4,450	4,577
5400	Taxes, Fees & Licenses	-	3,321		-	-
5500	Insurance					
5600	Misc Expenses	8,297	9,509	16,150	17,150	17,375
	<b>General &amp; Admin</b>	<b>\$ 17,493</b>	<b>\$ 22,029</b>	<b>\$ 33,625</b>	<b>\$ 34,525</b>	<b>\$ 35,272</b>
4600	Supplies					
4700	Materials			-		
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Conservation					
6200	Professional Fees	335,377	231,247	247,312	355,422	381,285
6300	Repair & Maintenance					
6500	Small Tools & Equipment	8,523	1,412	10,000	10,000	10,000
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 343,900</b>	<b>\$ 232,659</b>	<b>\$ 257,312</b>	<b>\$ 365,422</b>	<b>\$ 391,285</b>
5300	Debt Service	-	-	-	-	-
4400	Allocation to Capital	-	-	(8,360)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 923,618</b>	<b>\$ 792,743</b>	<b>\$ 1,127,169</b>	<b>\$ 1,249,888</b>	<b>\$ 1,312,110</b>
8000	Capital Purchases	\$ 5,960	\$ -	\$ 14,000	\$ 14,000	\$ 14,000
	<b>Total Operating and Capital Purchases</b>	<b>\$ 929,578</b>	<b>\$ 792,743</b>	<b>\$ 1,141,169</b>	<b>\$ 1,263,888</b>	<b>\$ 1,326,110</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
WATERSHED MAINTENANCE 6750  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2019 Actual	2020 Actual	2021 Budget Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	906,648	739,033	719,609	714,640	738,063
4110	Overtime	28,037	28,678	24,817	30,000	31,000
4190	Temporary	43,691	51,364	86,156	88,000	90,000
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	396,916	429,563	521,114	526,281	556,787
	<b>Personnel Services</b>	<b>\$ 1,375,292</b>	<b>\$ 1,248,639</b>	<b>\$ 1,351,695</b>	<b>\$ 1,358,921</b>	<b>\$ 1,415,850</b>
4500	Fees & Subscriptions	309	1,219	5,250	5,250	5,250
5200	Communications & Freight	2,060	2,310	-	2,000	2,000
5400	Taxes, Fees & Licenses	1,304	2,885	1,950	2,500	2,500
5500	Insurance					
5600	Misc Expenses	344	2,021	500	2,000	2,500
	<b>General &amp; Admin</b>	<b>\$ 4,017</b>	<b>\$ 8,434</b>	<b>\$ 7,700</b>	<b>\$ 11,750</b>	<b>\$ 12,250</b>
4600	Supplies	1,649	1,254	3,200	3,200	3,200
4700	Materials	23,843	38,008	40,000	44,200	49,750
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ 25,491</b>	<b>\$ 39,261</b>	<b>\$ 43,200</b>	<b>\$ 47,400</b>	<b>\$ 52,950</b>
5100	Automotive			-		
5800	Construction Contracts	-	-	30,000	20,000	25,000
5900	Equipment & Fac Rental	46,099	78,792	61,800	110,000	110,000
6000	Conservation					
6200	Professional Fees	-	33,141	800	10,000	12,500
6300	Repair & Maintenance	1,043,929	160,456	700,000	632,500	646,000
6500	Small Tools & Equipment	9,077	3,965	8,000	7,000	8,000
6600	Utilities	14,081	15,419	18,150	19,500	20,750
	<b>District Operations</b>	<b>\$ 1,113,186</b>	<b>\$ 291,773</b>	<b>\$ 818,750</b>	<b>\$ 799,000</b>	<b>\$ 822,250</b>
5300	<b>Debt Service</b>	-	-	-	-	-
4400	<b>Allocation to Capital</b>	-	-	(84,040)	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 2,517,986</b>	<b>\$ 1,588,107</b>	<b>\$ 2,137,305</b>	<b>\$ 2,217,071</b>	<b>\$ 2,303,300</b>
8000	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>	<b>\$ 35,000</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 2,517,986</b>	<b>\$ 1,588,107</b>	<b>\$ 2,137,305</b>	<b>\$ 2,232,071</b>	<b>\$ 2,338,300</b>

The logo of the Marin Municipal Water District is a circular emblem. It features a light blue outer ring. Inside the ring, there is a green mountain range with three peaks. Below the mountains, there are three wavy blue lines representing water. The text "MARIN MUNICIPAL WATER DISTRICT" is written in black, uppercase letters across the top half of the emblem, and "INTER-DEPARTMENTAL" is written in black, uppercase letters across the middle of the emblem.

# MARIN MUNICIPAL WATER DISTRICT

INTER-DEPARTMENTAL

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
INTER-DEPARTMENTAL  
YEAR ENDING JUNE 30th**

OBJECT	DESCRIPTION	2021 Budget				
		2019 Actual	2020 Actual	Adopted	2022 Proposed	2023 Proposed
4100	Regular Salaries & Wages	\$ -	\$ -	\$ -	\$ -	\$ -
4110	Overtime	-	-	-	-	-
4190	Temporary	-	-	-	-	-
4170	Director Fees	-	-	-	-	-
4195	Contract Help	-	-	-	-	-
4200	Fringe Benefits	4,384,000	4,557,000	4,697,000	3,644,000	3,755,000
	<b>Personnel Services</b>	<b>\$ 4,384,000</b>	<b>\$ 4,557,000</b>	<b>\$ 4,697,000</b>	<b>\$ 3,644,000</b>	<b>\$ 3,755,000</b>
4500	Fees & Subscriptions	220,373	154,787	300,034	230,795	233,395
5200	Communications & Freight	25,301	23,052	33,700	38,000	38,000
5400	Taxes, Fees & Licenses	25,890	1,000	60,500	1,500	61,500
5500	Insurance	1,042,521	5,543,182	1,180,000	1,425,500	1,463,000
5600	Misc Expenses	69,123	501,811	497,581	556,300	551,300
	<b>General &amp; Admin</b>	<b>\$ 1,383,207</b>	<b>\$ 6,223,832</b>	<b>\$ 2,071,815</b>	<b>\$ 2,252,095</b>	<b>\$ 2,347,195</b>
4600	Supplies	19,754	21,360	22,000	25,000	25,000
4700	Materials	-	-	-	-	-
4900	Chemicals	-	-	-	-	-
5000	Water Purchases	6,966,684	7,313,211	8,375,000	8,100,000	8,424,000
	<b>Materials &amp; Supplies</b>	<b>\$ 6,986,439</b>	<b>\$ 7,334,572</b>	<b>\$ 8,397,000</b>	<b>\$ 8,125,000</b>	<b>\$ 8,449,000</b>
5100	Automotive	-	-	-	16,000	40,000
5800	Construction Contracts	-	-	-	-	-
5900	Equipment & Fac Rental	22,114	20,288	20,500	20,500	20,500
6000	Rebates & Backflow	-	-	-	-	-
6200	Professional Fees	100,897	120,055	167,400	45,400	45,400
6300	Repair & Maintenance	60,129	121,822	88,100	153,900	154,200
6500	Small Tools & Equipment	-	-	-	-	-
6600	Utilities	3,840,128	4,661,680	4,997,564	5,250,092	5,512,547
	<b>District Operations</b>	<b>\$ 4,023,268</b>	<b>\$ 4,923,846</b>	<b>\$ 5,273,564</b>	<b>\$ 5,485,892</b>	<b>\$ 5,772,647</b>
5300	<b>Debt Service</b>	<b>10,227,689</b>	<b>10,227,689</b>	<b>10,241,859</b>	<b>10,184,004</b>	<b>9,706,507</b>
	<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Operating Expenses</b>	<b>\$ 27,004,602</b>	<b>\$ 33,266,939</b>	<b>\$ 30,681,238</b>	<b>\$ 29,690,991</b>	<b>\$ 30,030,349</b>
8000	<b>Capital Purchases</b>	<b>\$ -</b>	<b>\$ 3,754</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>
		-	-	-	-	-
	<b>Total Operating and Capital Purchases</b>	<b>\$ 27,004,602</b>	<b>\$ 33,270,693</b>	<b>\$ 30,711,238</b>	<b>\$ 29,720,991</b>	<b>\$ 30,060,349</b>

**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**DEBT SERVICE/DEPRECIATION/AMORTIZATION 7010**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages					
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	-	-	-
	<b>Personnel Services</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
4500	Fees & Subscriptions					
5200	Communications & Freight					
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
4600	Supplies					
4700	Materials					
4900	Chemicals					
5000	Water Purchases	-	-	-	-	-
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental	20,342	20,288	20,500	20,500	20,500
6000	Rebates & Backflow					
6200	Professional Fees			-		
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	-	-	-	-	-
	<b>District Operations</b>	<b>\$ 20,342</b>	<b>\$ 20,288</b>	<b>\$ 20,500</b>	<b>\$ 20,500</b>	<b>\$ 20,500</b>
<b>5300</b>	<b>Debt Service</b>	<b>10,227,689</b>	<b>10,227,689</b>	<b>10,241,859</b>	<b>10,184,004</b>	<b>9,706,507</b>
	<b>Allocation to Capital</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Operating Expenditures</b>	<b>\$ 10,248,031</b>	<b>\$ 10,247,977</b>	<b>\$ 10,262,359</b>	<b>\$ 10,204,504</b>	<b>\$ 9,727,007</b>
<b>8000</b>	<b>Capital Purchases</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Operating and Capital Purchases</b>	<b>\$ 10,248,031</b>	<b>\$ 10,247,977</b>	<b>\$ 10,262,359</b>	<b>\$ 10,204,504</b>	<b>\$ 9,727,007</b>



**MARIN MUNICIPAL WATER DISTRICT**  
**OPERATING BUDGET COMPARATIVE EXPENDITURES**  
**INTER-DEPARTMENTAL 7020**  
**YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages					
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	<u>4,384,000</u>	<u>4,557,000</u>	<u>4,697,000</u>	<u>3,644,000</u>	<u>3,755,000</u>
	<b>Personnel Services</b>	<b>\$ 4,384,000</b>	<b>\$ 4,557,000</b>	<b>\$ 4,697,000</b>	<b>\$ 3,644,000</b>	<b>\$ 3,755,000</b>
4500	Fees & Subscriptions	220,373	154,787	300,034	230,795	233,395
5200	Communications & Freight	4,451	1,884	3,700	5,000	5,000
5400	Taxes, Fees & Licenses	25,890	1,000	60,500	1,500	61,500
5500	Insurance	1,042,521	5,543,182	1,180,000	1,425,500	1,463,000
5600	Misc Expenses	<u>69,123</u>	<u>501,811</u>	<u>497,581</u>	<u>556,300</u>	<u>551,300</u>
	<b>General &amp; Admin</b>	<b>\$ 1,362,357</b>	<b>\$ 6,202,664</b>	<b>\$ 2,041,815</b>	<b>\$ 2,219,095</b>	<b>\$ 2,314,195</b>
4600	Supplies	-	22		-	-
4700	Materials					
4900	Chemicals					
5000	Water Purchases	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<b>Materials &amp; Supplies</b>	<b>\$ -</b>	<b>\$ 22</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
5100	Automotive	-	-		16,000	40,000
5800	Construction Contracts					
5900	Equipment & Fac Rental	1,772	-		-	-
6000	Rebates & Backflow					
6200	Professional Fees	100,897	120,055	167,400	45,400	45,400
6300	Repair & Maintenance					
6500	Small Tools & Equipment					
6600	Utilities	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<b>District Operations</b>	<b>\$ 102,668</b>	<b>\$ 120,055</b>	<b>\$ 167,400</b>	<b>\$ 61,400</b>	<b>\$ 85,400</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 5,849,026</b>	<b>\$ 10,879,741</b>	<b>\$ 6,906,215</b>	<b>\$ 5,924,495</b>	<b>\$ 6,154,595</b>
<b>8000</b>	<b>Capital Purchases</b>	-	3,753.88	30,000.00	30,000.00	30,000.00
	<b>Total Operating and Capital Purchases</b>	<b>\$ 5,849,026</b>	<b>\$ 10,883,495</b>	<b>\$ 6,936,215</b>	<b>\$ 5,954,495</b>	<b>\$ 6,184,595</b>

**MARIN MUNICIPAL WATER DISTRICT  
OPERATING BUDGET COMPARATIVE EXPENDITURES  
GENERAL & ADMINISTRATIVE MAINTENANCE 7040  
YEAR ENDING JUNE 30th**

<b>OBJECT</b>	<b>DESCRIPTION</b>	<b>2019 Actual</b>	<b>2020 Actual</b>	<b>2021 Budget Adopted</b>	<b>2022 Proposed</b>	<b>2023 Proposed</b>
4100	Regular Salaries & Wages					
4110	Overtime					
4190	Temporary					
4170	Director Fees					
4195	Contract Help					
4200	Fringe Benefits	-	-	-	-	-
	<b>Personnel Services</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
4500	Fees & Subscriptions					
5200	Communications & Freight	20,850	21,168	30,000	33,000	33,000
5400	Taxes, Fees & Licenses					
5500	Insurance					
5600	Misc Expenses	-	-	-	-	-
	<b>General &amp; Admin</b>	<b>\$ 20,850</b>	<b>\$ 21,168</b>	<b>\$ 30,000</b>	<b>\$ 33,000</b>	<b>\$ 33,000</b>
4600	Supplies	19,754	21,339	22,000	25,000	25,000
4700	Materials					
4900	Chemicals					
5000	Water Purchases	6,966,684	7,313,211	8,375,000	8,100,000	8,424,000
	<b>Materials &amp; Supplies</b>	<b>\$ 6,986,439</b>	<b>\$ 7,334,550</b>	<b>\$ 8,397,000</b>	<b>\$ 8,125,000</b>	<b>\$ 8,449,000</b>
5100	Automotive					
5800	Construction Contracts					
5900	Equipment & Fac Rental					
6000	Rebates & Backflow					
6200	Professional Fees			-		
6300	Repair & Maintenance	60,129	121,822	88,100	153,900	154,200
6500	Small Tools & Equipment					
6600	Utilities	3,840,128	4,661,680	4,997,564	5,250,092	5,512,547
	<b>District Operations</b>	<b>\$ 3,900,257</b>	<b>\$ 4,783,503</b>	<b>\$ 5,085,664</b>	<b>\$ 5,403,992</b>	<b>\$ 5,666,747</b>
<b>5300</b>	<b>Debt Service</b>	-	-	-	-	-
	<b>Allocation to Capital</b>	-	-	-	-	-
	<b>Total Operating Expenditures</b>	<b>\$ 10,907,546</b>	<b>\$ 12,139,221</b>	<b>\$ 13,512,664</b>	<b>\$ 13,561,992</b>	<b>\$ 14,148,747</b>
<b>8000</b>	<b>Capital Purchases</b>	-	-	-	-	-
	<b>Total Operating and Capital Purchases</b>	<b>\$ 10,907,546</b>	<b>\$ 12,139,221</b>	<b>\$ 13,512,664</b>	<b>\$ 13,561,992</b>	<b>\$ 14,148,747</b>



Marin Municipal Water District

Capital Purchase & Improvement Program

**FISCAL YEAR 2021/2022 AND**  
**2022/2023**

**CAPITAL IMPROVEMENT PROGRAM BUDGET**

The district's Capital Improvement Program (CIP) consists of the Two-year Capital Improvement Program Budget and the Ten-year Capital Improvement Program Budget. The Ten-year CIP guides long-range policy, prioritizes and schedules capital projects for the ten year period, and establishes a basis for generating the financial resources to complete these capital projects.

The first two years of expenditures in the Ten-year CIP comprise the district's Two-year CIP Budget. By adopting the Two-Year CIP Budget, the Board authorizes the initiation of project expenditures in fiscal years 2022 and 2023.

Capital assets are real or personal property that has a unit acquisition cost equal to or greater than \$2,000 and an estimated life greater than one year. Most assets only achieve their useful life as the result of periodic maintenance or repairs. Normal routine upgrade, maintenance and repairs, including the purchase of replacement parts, are funded through the Operating Budget. Capital assets are acquired by the district through a capital outlay purchase from the Operating Budget or through the CIP Budget. A capital outlay is usually for the purchase of a single asset, such as the purchase of a new vehicle or a piece of equipment.

Capital improvement projects are generally defined as follows:

1. Nonrecurring rehabilitation, replacement or major repair with a minimum cost of \$2,000. These generally include:
  - a. Repaving of facility access roads.
  - b. Installation of a new roof.
  - c. Repainting and coating of reservoirs, storage tanks and major equipment.
  - d. A major water meter replacement project.
  - e. Rehabilitation or replacement of existing facilities and equipment, which are not routine maintenance.
2. Construction of a Public Works project in accordance with California Labor Code Section 1720 with a minimum cost of \$2,000.
3. Significant one-time investments in tangible goods, the benefit of which will accrue over several years. Examples include large initial investments or improvements in technology and software, or the purchase of a new telephone system.
4. Engineering studies and services that lead to, or are directly related to, capitalized facilities. These include professional design services, and preparation of asset management plans, master plans, and capital improvement plans.

Non-capitalized projects include recurring, normal and routine maintenance projects. Examples include water facilities leak repairs, repair of potholes and fencing, spot roof patching, annual equipment maintenance, annual and on-going water meter replacement, engineering studies and plans that do not lead to or are not related to capitalized facilities, such as the Urban Water

Management Plan and on-going and routine computer hardware and software upgrades not related to the CIP.

The Ten-year CIP total amount is \$256,635,000. The first two years of expenditures in the ten-year CIP comprise the district's Two-year CIP Budget and total \$50,019,000.

**Two-Year CIP Budget  
FYs 22 and 23**

<b>Expenditures</b>	<b>FY 2021-2022</b>	<b>FY 2022-2023</b>	<b>Total</b>
Pipelines	\$9,400,000	\$8,510,000	\$17,910,000
Pump Stations	\$485,000	\$1,385,000	\$1,870,000
Storage Tanks	\$4,875,000	\$5,525,000	\$10,400,000
Treatment Plants	\$5,065,000	\$1,075,000	\$6,140,000
Watershed <sup>1</sup>	\$2,702,000	\$3,327,000	\$6,029,000
General Improvements	\$3,570,000	4,100,000	\$7,670,000
<b>Grand Total</b>	<b>\$26,097,000</b>	<b>\$23,922,000</b>	<b>\$50,019,000</b>

<b>Funding</b>	<b>FY 2021-2022</b>	<b>FY 2022-2023</b>	<b>Total</b>
Capital Reserves	\$3,530,600	\$161,744	\$3,692,344
Capital Maintenance Fee	\$17,846,400	\$18,560,256	\$36,406,656
Grant Funding	\$220,000	\$700,000	\$920,000
Fire Flow Improvement Program	\$4,500,000	\$4,500,000	\$9,000,000
<b>Grand Total</b>	<b>\$26,097,000</b>	<b>\$23,922,000</b>	<b>\$50,019,000</b>

## **1 RENEWAL AND REPLACEMENT**

### **1.1 Cathodic Protection (A1A01)**

When the corrosion protection program began in the early 1960s, the district was responding to an average of 1,400 water system leaks and breaks per year. This was an average of 4 per day. Most of these leaks and breaks occurred on metallic piping systems. To address this problem, the district established a corrosion protection program in 1962. Leaks and breaks on the district's water system have declined to approximately 200 per year. Much of this decline can be attributed to the district's corrosion control program. The goal of the program is to eliminate corrosion as a limiting factor in the life of district facilities.

The district currently has 6,620 corrosion test stations. Of these, 5,147 use sacrificial anodes (passive) to control corrosion. The remaining test stations are part of the 140 systems that utilize impressed current from rectifiers to provide corrosion control. In total, the corrosion test stations protect approximately 458 miles of piping (52% of all district piping), 112 metallic storage tanks and three treatment facilities. For comparison, in 1990 there were approximately 2,800 corrosion test stations protecting 224 miles of piping and 50 metallic storage tanks.

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<sup>1</sup> Watershed includes all projects conducted on the district's watershed including dams, reservoirs, road and slide repairs, vegetation management and habitat improvements.

Passive systems on piping are monitored on a six-year cycle; passive systems for storage tank interiors are monitored annually; and impressed current systems are monitored semi-annually. The semi-annual maintenance for impressed current systems provides only for testing of the rectifier and a remote test station. Full system checks of impressed current systems are performed on a six year cycle. Maintenance work provides the data from which other corrosion capital projects are planned. These projects include: Corrosion Test Station Rehabilitation, Cathodic Protection System Corrections, Rectifier Anode Replacement, and the Tank Recoating program.

Corrosion Test Station Rehabilitation Program. The typical design life of magnesium anodes is 20 years. Magnesium anodes gradually dissolve over their design life as they provide a protective current to the pipeline or structure. Once an anode is depleted, it needs to be replaced in order to maintain the effectiveness of the cathodic protection system. Maintaining the operation of cathodic protection systems is a cost-effective means of preventing premature failure and/or replacement. This program supports annual replacement of approximately 150-200 anodes as determined by periodic testing.

<b>FY 22</b>	<b>\$90,000</b>
<b>FY 23</b>	<b>\$90,000</b>

Cathodic Protection System Corrections. This program addresses the replacement of failed flange insulating kits and clearing of contacts with foreign structures. Electrical isolation of dissimilar metals and foreign structures (e.g. other utility conduits, abandoned piping etc.) is critical to the effectiveness of the district's cathodic protection systems. Electrical isolation is achieved through the use of short sections of PVC pipe (typically three feet long) or flange insulating kits. PVC pipe has proven to be an excellent insulator, and to date, there have been no failures (electrical shorting) of PVC insulators. However, flange-insulating kits have failed. Failure to replace faulty insulators causes cathodic protection systems to lose their effectiveness resulting in premature and unnecessary pipeline failures. Approximately 10 flange insulating kits are replaced each year.

<b>FY 22</b>	<b>\$160,000</b>
<b>FY 23</b>	<b>\$160,000</b>

Rectifier Anode (ground bed) Replacement. The typical design life for rectifier ground beds is 30 years. Similar to magnesium anodes, these ground beds gradually dissolve over their design life as they provide protective current to the pipeline or structure; and once depleted, need to be replaced in order to maintain effectiveness of the rectifier system. The annual budget for this program is \$50,000, which will fund replacement of two rectifier ground beds.

<b>FY 20</b>	<b>\$50,000</b>
<b>FY 21</b>	<b>\$50,000</b>

Tank Recoating Program. In addition to providing metallic pipeline protection, the Corrosion Control program also protects the district's 107 metallic storage tanks and 10 hydro-pneumatic pressure tanks. Corrosion protection of these facilities is provided by a system of anodes suspended in the storage tanks and buried near the tanks, and/or protective coatings applied to the interior and exterior of the tanks.

Coatings and linings are an integral part of corrosion control, as they provide a barrier between the structure and a corrosive environment. Over time, the coatings and linings deteriorate and require spot repair or complete removal. To monitor this deterioration, corrosion control staff performs periodic surveys of tank coatings. The surveys determine which tanks are in need of coating repair and provide data for future coating maintenance projects. Corrosion control staff also work with water quality staff to ensure that interior tank coatings and linings are in compliance with State Water Resources Control Board drinking water requirements. Prioritization of tanks requiring re-coating is based on maintaining water quality and the current requirement for interior cathodic protection. In some cases, a tank cannot be removed from service without significant temporary storage or distribution system upgrades. In order to continue achieving the benefits of the corrosion protection program, steel tanks should ideally be recoated on 20-25 year intervals. The current recoating rate exceeds 40 years, and is primarily dictated by the ability to remove a tank from service and funding. The current tank recoating priority list is shown in the table below.

**Tank Recoating Priority List**

Priority	Tank	Capacity (MG)	Year Constructed	Coating Age (yrs)
1	Smith Saddle 1	5.00	1961	60
2	Smith Saddle 2	5.00	1961	60
3	Wolfback Ridge 1	0.25	1997	24
4	Wolfback Ridge 2	0.25	1997	24
5	Mill Valley	5.00	1967	54
6	Scott Highlands	0.25	1968	53
7	Conifer Way	0.50	1968	53
8	Escalle	1.00	1970	51
9	Loch Lomond	1.00	1954	67
10	Hawthorne Upper	2.00	1928	48
11	Canyon Village	1.50	1975	46
12	Mine Ridge	0.25	1995	26
13	Fairfax Grade	0.50	1957	64

The recoating of Smith Saddle Tank #1 is scheduled to begin in FY 22, funded through the A1A11 Storage Tanks, as significant repairs in addition to recoating are expected. Smith Saddle Tank #2 is scheduled for recoating in FY23. The storage tank recoating program has largely been deferred to meet budgetary constraints and prioritize other storage tank replacements, such as Ross Reservoir.

**FY 22 \$650,000**

**FY 23 \$1,500,000**

## **1.2 Distribution Pipelines (A1A02A) and Transmission Pipelines (A1A03)**

The district has approximately 900 miles of potable distribution and transmission system piping in service. Over 1.2 miles is from the 1800s. Approximately 14 miles is more than 100 years old. However, most of the existing installed pipes do not last this long. About 52% of the district piping system is comprised of modern long life welded steel or PVC. Over 324 miles of the district's pipe system is comprised of pipe materials that are problematic and prone to failure, such as galvanized threaded steel pipe (GTP – 19 miles), lock converse joint pipe (LCP – 6 miles), and cast iron pipe (CI –

299 miles). These pipe materials total over 37% of the district's water system. The remaining 11% of system piping is not necessarily leak prone but presents other inherent risks such as asbestos cement pipe and concrete cylinder pipe. Water main breaks result in treated water loss, damage to public and private infrastructure, public disruption, and divert district resources. Cast iron pipe can be particularly problematic because the failure mode is often catastrophic and usually releases a significant amount of water.

**Pipeline Replacement Program.** The objective of this program is to maintain and improve the level of service, quality and safety of the district's distribution and transmission piping system. Projects in this program provide for replacement of worn and deteriorated transmission and distribution system piping. Pipeline segments are selected for inclusion in this program based primarily on leak history with consideration of other factors discussed below. A segment's leak history is the primary indicator used to assess pipe condition and remaining service life. The district maintains records of all leaks and leak repairs. Staff utilizes the district's GIS to identify pipe segments with a significant leak rate (generally  $\geq 1$  leak/year/1,000 ft pipe). The segments identified through this process are added to the pipeline replacement (leak) list. Pipe segments on the leak list undergo a thorough investigation to determine their complete leak history, year installed, type of pipe material, as-installed details and potential real property issues. Pipeline replacements are prioritized primarily based on leak rate and risk related to damages to the environment or property in the event of a main break. Special consideration is given to pipelines in close proximity to salmonid bearing streams. Finally, when given adequate notification, the district endeavors to replace pipeline segments in advance of planned street work that coincide with pipe segments on the pipeline replacement list or that may be disturbed by the construction. The FY 22 budget for pipeline replacement is \$4,500,000, with \$3,610,000 budgeted for FY 23 and will support replacement of approximately 5.4 miles of pipe.

**FY 22 \$4,500,000**

**FY 23 \$3,610,000**

Some of the planned locations of pipes to be replaced in FYs 22 and 23 are shown in the table below. The remainder will be developed at the beginning of each fiscal year.

**Pipeline Replacement Locations for  
FYs 22 and 23**

<b>Town</b>	<b>Street(s)</b>	<b>Pipe Length (ft)</b>	<b>Install Year</b>
Greenbrae	Greenbrae Boardwalk	2,200	1994
San Rafael	3 <sup>rd</sup> St, from Irwin St to 4 <sup>th</sup> St	4,700	1920s
San Anselmo	HUB Regulator	200	1969
San Rafael	Southern Heights Bridge	150	1955
Santa Venetia	Sunny Oaks Drive	550	1953
Terra Linda	Manuel T. Freitas Parkway	1,100	1930s
<b>TOTAL LENGTH</b>		<b>8,900</b>	



### 1.3 Fire Flow Improvement Program

On May 17, 2012, the district's Board approved the Fire Flow Improvement Program (FFIP) which extended the Fire Flow Fee of \$75 per year for nineteen years, and provides \$4.5M annually for investment in fire flow improvement projects. The FFIP proposes to replace 52 miles of fire-flow deficient pipe, comprising 49 miles of distribution piping and 3 miles of transmission piping. The locations of pipes to be replaced during FY 22 and FY 23 are shown in the table below, which shows a total of 26,875 feet (5.1 miles) of undersized pipe to be replaced.

**FFIP Replacement Locations for  
FY 22 and FY 23**

<b>Town</b>	<b>Street(s)</b>	<b>Pipe Length (ft)</b>	<b>Install Year</b>
Fairfax/Oak Manor	Rock Ridge, Muriel, San Miguel, Hillside, Scenic, Archangel, Cynthia, Gregory, Von, Stevens, Oak Manor	5,625	1936
Lagunitas	North Marin Line Stabilization	500	1952
San Anselmo	Los Angeles, Monterey, Oakland, Cordone, Beverly, Mountain View, Riviera, Brookside	5,575	1940
San Rafael	J St, Forbes, Treehaven, Culloden Park, El Cerrito, 5 <sup>th</sup> St, Sirand, Alpine	5,600	1953
Sausalito	Wolfback Ridge Hwy 101 Crossing	1,500	1953
Tiburon	Ridge Rd, Straits View, Mountain View	4,300	1952
Woodacre	Redwood, Park, Taylor	3,775	1914
<b>TOTAL LENGTH</b>		<b>26,875</b>	

**FY 22 \$4,500,000**

**FY 23 \$4,500,000**

The pipeline replacement program and Fire Flow Improvement Program in combination are scheduled to replace a total of 8 miles of pipe over FYs 22 and 23, which represents an annual replacement rate of 0.5%. At this rate, it will take over 200 years to replace all of the district's pipelines. We anticipate increasing the rate of replacement in future years, pending available funding, with the goal of achieving a replacement rate of 1.0%.

### 1.4 Treatment Plants (A1A04)

The district's three water treatment facilities are an essential element in providing high-quality water for our customers. The oldest facility is the Bon Tempe Water Treatment Plant, constructed in the 1950s. This plant annually provides about 25% of the district's potable water supply and has a maximum short term capacity of 20 million gallons per day (mgd). The largest facility is the San Geronimo Water Treatment Plant, originally constructed in 1962, and upgraded in 1972. This facility is located in the San Geronimo Valley, has a maximum short term capacity of 35 mgd, and annually provides over 50% of the district's potable water supply. The Ignacio Treatment Plant was constructed in 1975 and comprises a pump station, emergency generator, and chemical treatment

facilities to condition water imported from the Sonoma County Water Agency. Imported water annually provides about 25% of the district’s potable water supply.

Capital projects at the treatment plants address three main functional areas: Structure, primary treatment unit processes, and secondary unit processes. The primary structural features of the Bon Tempe and San Geronimo treatment plants are concrete structures such as mixing chambers, circular up-flow clarifiers, filter basins, clear-wells, backwash water ponds, chemical rooms, the pipe galleries and the control rooms. These structures contain the various mechanical and electrical elements of the treatment process and therefore must be maintained structurally sound and resistant to seismic events. Capital projects that target the unit processes at the treatment plants are identified via a collaborative process with input from the Superintendent of Water Treatment, the Maintenance department, Operations, and Engineering. The Capital projects typically seek to extend the life, improve the reliability and functionality of the unit processes. Capital projects are evaluated on a number of criteria including reliability, consequence of failure, cost and feasibility. Once the capital projects are identified, they are typically budgeted, designed and implemented by district engineering staff with assistance from consulting resources as required.

Capital work at the treatment plants is guided by the Treatment Plant Master Plan, completed in September 2015, and includes seismic and process upgrades to both facilities. The Treatment Plant Filter Seismic Upgrade at both San Geronimo and Bon Tempe Treatment Plants was completed in 2018, bringing the filters at these facilities up to code to withstand a major earthquake. Specific activities to be conducted at San Geronimo Treatment Plant over the next two years include:

San Geronimo Treatment Plant – Roof Replacement. The roof at San Geronimo Treatment Plant was constructed in 1961 and has reached the end of its useful life. This project includes the replacement of the roof with a noncombustible material to harden the structure in the event of a wildfire.

San Geronimo Treatment Plant Emergency Generator. San Geronimo Treatment Plant is the district’s largest water treatment plant, providing drinking water to nearly 50% of the district’s service area. The district’s other two sources of drinking water, Ignacio Treatment Plant and Bon Tempe Treatment Plant, each have emergency power that will allow for continuous delivery of water during a power outage. In light of recent wildfire disasters in Northern California, PG&E has put customers on notice that in the event of a major storm event, PG&E may preemptively shutoff power to sections of their power grid in an effort to prevent wildfire. SGTP does not have an emergency power source, and a prolonged outage of power to the plant could result in the district being unable to meet drinking water demand. This project will install an emergency generator at SGTP that will allow the plant continued operation in the event of a power outage.

The FY 22 and FY 23 budgets for this category are shown below:

<b>FY 22</b>	<b>\$5,015,000</b>
<b>FY 23</b>	<b>\$1,025,000</b>

## 1.5 Reservoir/Dam Facilities (A1A05)

The district's seven reservoirs supply about 75% of the water used by our customers. Six of the reservoirs were formed by constructing earth fill dams across naturally occurring valleys. The embankments range in height from about 50 feet, at the oldest reservoir, Lake Lagunitas, to over 225 feet at Kent Lake. The seventh reservoir, Lake Alpine, was formed by placing a 140 foot high concrete gravity dam across a narrow canyon on upper Lagunitas Creek.

While some of the reservoirs are over 100 years old, the major facilities were mostly constructed within the last 60 years. CIP projects in this category consist mainly of maintaining reservoir system appurtenances such as control valves, dam instrumentation and aeration systems. The total FY 22 and 23 budget for this category is described below.

**FY 22 \$725,000**

**FY 23 \$550,000**

In addition to capital repairs to the dams, two specific projects of interest in this budget category are described as follows.

Soulajule Environmental Enhancement. The Regional Board is requiring the district to implement a study plan to investigate the potential for methylmercury bioaccumulation and production in Soulajule Reservoir and its downstream water body, Arroyo Sausal. The Regional Board made this directive as part of the implementation plan for the Walker Creek Watershed Mercury Total Maximum Daily Load (TMDL) that was established to protect impacts to wildlife and is not related to drinking water quality or drinking water regulations. Mercury is negatively impacting the beneficial uses of many waters of the state by making fish unsafe for human and wildlife consumption. The district completed and submitted the *Soulajule Reservoir Mercury and Bioaccumulation Study* in 2013, and is conducting ongoing follow up studies. This project anticipates the potential need to identify effective methylmercury control measures including the potential need to install a hypolimnetic aeration system at Soulajule Reservoir. The project is budgeted in FY 22 for \$50,000 and FY 23 at \$50,000.

Condition Assessment Spillway Repairs. The Division of Safety of Dams has required that three of the district's dams (Seeger Dam at Nicasio Lake, Peters Dam at Kent Lake, and Soulajule Dam) undergo a thorough condition assessment. Phase I of this assessment was completed in 2020. This project includes repair of spillway cracking and spalling that were observed during the Phase I condition assessments.

## 1.6 Buildings and Grounds (A1A06)

This program provides miscellaneous pavement replacement at district facilities, fencing repair and vandalism deterrent projects, retaining wall repair and replacement, and capital repairs to the Administration Building office and Corporation Yard.

The Administrative Office Building (AOB) was constructed in 1962 and the Corporation Yard was constructed in 1965. With nearly 50 years of use, both of these structures are in significant need of upgrading. A comprehensive review to determine all of the work needed was

completed in 2016. Changes are needed to both buildings to bring the interior and exterior into compliance with the Americans with Disabilities Act. Other needed improvements include renovating interior wall and ceiling finishes, replacing inefficient windows and other improvements necessary to resist inclement weather, upgrading the HVAC system, replacing floor and carpeting, upgrading electrical and lighting areas, reconfiguring offices and workstations, installation of fire sprinklers, and upgrading the kitchen. The district replaced the roof in summer 2015 on an emergency basis.

Administration Building and Yard/Warehouse Improvements. Pursue development of a Facility Master Plan for the administrative building and yard/warehouse facilities based on the comprehensive review that was completed in 2016. A facility master plan will serve as a roadmap to identify necessary facility improvements and projects. This project is budgeted for \$250,000 in FY22 and \$250,000 in FY23 for master plan development and implementation of improvement projects.

**FY 22   \$775,000**  
**FY 23   \$825,000**

### **1.7      Transmission Pumps (A1A07) and Distribution Pumps (A1A08)**

The district has 94 active potable pump stations containing 196 pumps in service. Eleven stations and 37 pumps are classified as transmission pumps. These facilities include the district's largest pumping stations and are used to move untreated water between reservoirs, treated and untreated water to and from treatment plants and treated water to the transmission system. The transmission pumps are critical to the treatment and distribution of water to our customers. Many of these pumps are heavily used and log many hours of operating time. In addition, the transmission pumps often cost more than \$100,000 and require six months or more of lead time for delivery. The district closely monitors the operation and performance of these pumps. Replacement or overhaul of these pumps and motors are required every 10 to 20 years to assure their reliable and efficient operation. Due to their size and heavy use, the energy savings produced by regularly overhauling these pumps and motors often results in significant operating cost savings to the district. The pump/motors selected for overhaul/replacement are chosen based upon performance testing, operating hours and age/years since the last overhaul.

The remaining 83 stations and 159 pumps are classified as distribution pumps. These smaller stations deliver treated water to higher elevation neighborhoods throughout the district. The distribution pumps generally log fewer hours, have standby pumping capacity and are more readily available than the larger transmission pumps. As a result, these pumps are generally operated until they fail and are no longer repairable. The expected life of these pumps and motors is about 50 years.

Two critical pump station upgrades are planned over FY22 and FY23. Upgrades to these pump stations have been prioritized due to known performance and capacity issues as well as the ability to increase the district's reliable water supply.

Tocaloma Pump Station Upgrade. Built in 1961 and located in Nicasio, Tocaloma Pump Station annually conveys approximately 30% of the district's water supply, from Nicasio Reservoir (and, when used, Soulajule Reservoir) to the San Geronimo Treatment Plant. This project includes the rehabilitation of electrical components that are obsolete and challenging to source replacement parts. This project is budgeted for \$250,000 in FY20 and \$520,000 in FY21.

Kastania Pump Station. Built by the district in 1977, Kastania Pump Station was designed to increase the flow and pressure in the North Marin Aqueduct and offset the hydraulic impact of increased consumption of imported water by Petaluma and the North Marin Water District. In 1999, the district transferred ownership of the pump station to the Sonoma County Water Agency and in 2015 the pump station ceased operating. Work performed in FY 22 and FY 23 will evaluate the rehabilitation of the Kastania Pump Station, including environmental review, and the potential impact this pump station may have on the district's ability to efficiently import its supplemental water.

The combined FY 22 and 23 budget for both categories (A1A07 and A1A08) is presented below.

<b>FY 22</b>	<b>\$435,000</b>
<b>FY 23</b>	<b>\$1,135,000</b>

## **1.8 Control Systems (A1A09)**

The Supervisory Control and Data Acquisition (SCADA) System and process control systems are used to control and monitor flows of water throughout the district using approximately 195 remote sites and the central control facility at the Corporation Yard. The SCADA system is the district's computer system for gathering and analyzing real time data about the district's water distribution and treatment systems. Remote sites include pump station, storage tank, control valve, and reservoir sites. In addition, SCADA and process control systems are used at the district's two surface water treatment plants (San Geronimo and Bon Tempe) and water quality plant (Ignacio). Systems at these facilities are used to control and monitor the treatment, production, and distribution of water.

SCADA System – Replace Hardware/Software. The district's Supervisory Control and Data Acquisition (SCADA) system is a computer system used to monitor and control the district's water delivery and treatment system. SCADA is a critical component of the district's operations, and not a single drop of water is moved without the use of SCADA. The SCADA system is comprised of hardware, such as computers and servers, human machine interface (HMI) software, communication interface, and electronic field connection controllers, which are either remote terminal units (RTUs) or programmable logic controllers (PLCs). The SCADA system hardware and software communicates with approximately 200 RTUs and PLCs that are located at various sites, such as treatment plants, pump stations, and tanks, throughout the district's water system. The RTUs and PLCs send data from the field to the SCADA hardware and software, and this data is used to help operations and engineering treat and deliver water to the districts 190,000 customers.

The district project to upgrade the existing SCADA system was completed in 2020. Ongoing capital maintenance of this system is expected to occur over the next ten year period rather than large reinvestment in 10 years.

**FY 22 \$25,000**

**FY 23 \$25,000**

### **1.9 Control Valves (A1A10)**

The district has 561 control valves in its transmission and distribution system. These valves have an expected useful life span of approximately 50 years. The valves receive yearly maintenance and are overhauled every 10 years. Each year, a few control valves are selected for replacement usually due to excessive corrosion and/or deterioration of the piping and vault.

**FY 22 \$50,000**

**FY 23 \$250,000**

### **1.10 Storage Tanks (A1A11)**

MMWD has 130 storage tanks with a capacity of 82 million gallons. These tanks are of vastly different ages and a variety of materials (redwood, welded steel, bolted steel, riveted steel, concrete), all requiring differing maintenance and capital investment. The oldest tank, the Forbes Reservoir, originally constructed in 1894, received a new liner and cover in 2015. There are eight riveted steel tanks which date before 1930. Most of the district's tanks are of welded steel construction. In the past 10 years, the Capital Program has aggressively replaced redwood tanks which are nearing the end of their useful life as described below. The FY 22 and 23 budgets for this category are described below.

**FY 22 \$3,850,000**

**FY 23 \$3,650,000**

Ross Valley Tank Replacement (D11056). This project includes the replacement of the 1MG Ross Reservoir, constructed in the 1920s, with a new higher capacity storage facility at the current site. This project will replace an undersized and deteriorated facility that has reached the end of its useful life. This project will also greatly improve the district's ability to meet the operational and emergency storage needs of the area. This project is budgeted in FY 22 at \$500,000 and FY 23 at \$1,000,000 to complete design of a replacement tank and perform an environmental review of the site.

Smith Saddle Tanks Rehabilitation. Located in Fairfax, Smith Saddle Tanks comprise two, 5 million gallon welded steel tanks, constructed in 1961. The exterior coatings are original and are now 60 years old. These tanks provide critical transmission storage after treatment at San Geronimo Treatment Plant and prior to distribution in San Rafael and central Marin. Both tanks will require extensive repairs due to the deteriorated condition of the tank coatings. This project will include a detailed condition assessment of each tank to further define the scope of capital repairs needed, and subsequently performing the necessary repairs.

Redwood tank replacement program. This program funds replacement of redwood storage tanks that often present water quality challenges, are seismically vulnerable<sup>2</sup>, and leak. Since

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<sup>2</sup> Redwood tanks are mounted on concrete piers which will not support the tanks in a seismic event. Replacement tanks

2001, this program has replaced approximately 47 redwood storage tanks. There are seven (7) redwood tanks that remain. The tanks are prioritized from the combination of their field condition rating and their storage adequacy rating. The table below lists the remaining tanks to be replaced:

**List of Remaining Redwood Tanks  
Needing Replacement**

<b>Tank Name</b>	<b>City/Location</b>	<b>Capacity (gal)</b>	<b>Year Installed</b>
Bolsa	Mill Valley	200,000	1978
Winship Park	Ross	30,000	1980
Scenic Avenue	San Anselmo	20,000	1981
Madera Park	Corte Madera	100,000	1963
Courtwright	Greenbrae	50,000	1973
Hind #1	San Rafael	100,000	1978
Hind #2	San Rafael	200,000	1958

It is anticipated this program will be completed by FY28.

#### **1.11 Meters (A1A13)**

The district has six potable water production flow meters. These measure production from the three potable treatment facilities. These meters are sent out for factory calibration bi-annually and are replaced as necessary. The district has flow transmitters at all of its 98 potable and reclaimed water pump stations. These meters are replaced at time of failure. This program also provides for annual replacement of district service meters.

**FY 22 \$250,000**

**FY 23 \$250,000**

#### **1.12 Fire Chiefs Fund (A1A14)**

This program annually funds replacements and improvements requested by the Marin County Fire Chiefs Association, and typically includes the installation or relocation of fire hydrants.

**FY 22 \$150,000**

**FY 23 \$150,000**

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are constructed of bolted steel or welded steel which meet modern seismic building standards and are properly anchored to resist earthquake forces.

### **1.13 Asset Management Program (A1A16)**

This program annually funds the development and implementation projects driven by the asset management program. Funding will support efforts associated with the condition assessment program, driving the decision-making process behind the capital program, and will include software solutions and integrations with current IT infrastructure environments, such as GIS and SAP.

Water System Master Plan. The Water System Master Plan (WSMP) is a comprehensive evaluation of the district's complex water system infrastructure to determine infrastructure needs and long-term capital investments for maintaining reliability and improving operability of the water system. The WSMP will identify potential system improvements and inform the district's capital improvement program (CIP) moving forward. This project began in FY21 and is a two year project.

**FY 22 \$700,000**

**FY 23 \$50,000**

### **1.14 Recycled Water (A1C03)**

The district's Las Gallinas Recycled Water Treatment Plant has been decommissioned. Beginning in 2021, the district will distribute recycled water produced by the Las Gallinas Valley Sanitary District's expanded water recycling facility. Capital investments relating to system integration with the Las Gallinas Valley Sanitary District are expected.

**FY 22 \$50,000**

**FY 23 \$50,000**

## **2 Watershed**

### **2.1 Watershed – Minor Structures (A1E01)**

This program includes projects that will further the district's goal of protecting watershed function while facilitating the informed and responsible use of the lands held in public trust. In FY23, the district will complete a review of sanitation stations across the watershed and continue planning for the installation of improved sanitation facilities at the Lake Lagunitas picnic area.

**FY 22 \$0**

**FY 23 \$447,000**

### **2.2 Watershed – Ranger Residence Improvements (A1E02)**

The six district ranger residences are vital infrastructure elements that establish an official district presence on watershed lands and enable staffing of critical resources for emergency and enforcement activities. The purpose of the Ranger Residence Improvement program is to incrementally upgrade these critical assets and ensure their long-term function. In FY23, the district will replace the antiquated Alpine Dam residence water system.



**FY 22 \$0**  
**FY 23 \$120,000**

### **2.3 Watershed – Trail Repair and Improvement (A1E04)**

The district manages a network of 59 miles of hiking trails that provide public access through the watershed. Managing the trail network ensures protection of water quality, user safety, and reduces the impact that recreation has on the watershed through closing social trails and restoring areas where illegal trails are built. The trail improvement program of the CIP acknowledges the importance of providing public access to the district's watershed lands while actively managing the trail network to protect water quality and natural resources through the use of trail maintenance best management practices. Expenditures under this plan decrease future costs for large scale trail re-construction through ensuring erosion issues are addressed through routine maintenance and illegal trails are closed.

**FY 22 \$50,000**  
**FY 23 \$50,000**

### **2.4 Watershed – Road Repair and Improvement (A1E05)**

The district manages a network of fire and access roads that are essential to watershed protection, water production, and recreation. This system of roads provides the link between district operation and maintenance staff and the dams, treatment plants, water mains, storage reservoirs, and other critical assets that keep the system running. The Road Repair and Improvement program of the CIP acknowledges the importance of establishing and maintaining connectivity between critical assets and will make select investments to increase the resiliency of access roads in a cost-effective manner. Expenditures for FY22 include permitting, design, and construction for culvert and road improvement projects that need immediate attention. Expenditures for FY22 and FY23 also include development of a programmatic permitting approach for maintaining access roads and over 700 culverts. This plan is expected to decrease future costs by consolidating environmental planning, compliance, and reporting efforts associated with culvert replacement actions.

**FY 22 \$745,000**  
**FY 23 \$935,000**

### **2.5 Watershed – Natural Capital & Green Infrastructure (A1E07)**

The district owns and manages over 18,000 acres of land along the wildland and urban interface. From a water supply and fire protection perspective these lands represent a significant holding of natural capital that provides direct and indirect services to adjacent communities and water supply operations. The Mt. Tamalpais watershed's location, topography and flora and fauna all combine to provide water capture, filtration, run-off, and storage that are essential to the water system. The management of vegetation assemblages is a key component of this natural capital as it mitigates the potential for catastrophic fire that could impair water quality and/or destroy adjacent communities. The Natural Capital and Green Infrastructure program acknowledges the importance of investing in natural capital to support ecosystem services and includes \$1,000,000 per year to address fire and fuels management across district lands. Additional projects included in this

program include the habitat restoration planning along Lagunitas Creek.

**FY 22 \$1,182,000**

**FY 23 \$1,225,000**

### **3 Split-Funding Projects (A1F06)**

Watershed management and restoration goals of the district frequently align with state and federal agencies dedicated to endangered species protection, water quality improvements, and catastrophic fire mitigation. The Split-Funding program includes projects and programs that are partially funded by outside agencies and the district through executed grant agreements. The primary split-funding project in the 2-year CIP is the Azalea Hill Trail Restoration project, which will be completed in FY22. The total FY21-22 project cost of \$750,000 is being funded with \$50,000 of district funds and \$700,000 from California State Parks. Another major component of the Split Funding is the current focus of the fisheries program, the Lagunitas Creek Enhancement Project, which is funded with \$300,000 in contribution from the California Department of Fish and Wildlife.

**FY 22 \$370,000**

**FY 23 \$750,000**

### **4 Information Technology**

The Information Technology Capital Improvement Projects are a blend of planned upgrades and new initiatives. Information Technology serves the business technology needs of MMWD, enabling business users to carry out their work efficiently, effectively, and securely. These include: (1) planning, operation, and support of the district's physical technology infrastructure, and (2) planning, design, operations, and maintenance of software applications. MMWD's enterprise systems typically require an upgrade every four to seven years. Additionally, new features can be implemented which help us do a better job of meeting the mission of the district. The FY 22 and 23 budget includes upgrades to servers and SAN system.

**FY 22 \$400,000**

**FY 23 \$1,150,000**

### **5 Capital Purchase Expenditures**

The Capital Purchase Expenditures include purchase of capital equipment. The FY 22 and 23 budget includes lab equipment, office furniture, and approximate replacement 18 vehicles and heavy equipment.

**FY 22 \$1,300,000**

**FY 23 \$1,300,000**

## 10-Year Capital Improvement Program FY22-FY31

Fund Center/Project	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	FY30/31	Total
TOTAL EXPENDITURES (in 1000's)	\$ 26,097	\$ 23,922	\$ 26,853	\$ 30,978	\$ 31,475	\$ 25,775	\$ 24,517	\$ 21,436	\$ 22,405	\$ 23,177	\$ 256,635
<b>A1A01 Replacements - Cathodic Protection</b>											
Wolfback Ridge Tank Rehabilitation	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200
Greenbrae Tank Recoating	\$ 450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	450
Mill Valley Tank Recoating & Valving	\$ -	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,500
Alto Tanks Recoating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,100	\$ 2,100	\$ -	\$ -	\$ -	4,200
Welded Steel Tank Rehab/Recoating Program	\$ -	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	8,000
Cathodic Protection System Corrections	\$ 160	\$ 160	\$ 170	\$ 180	\$ 180	\$ 200	\$ 200	\$ 210	\$ 210	\$ 210	1,880
Corrosion Test Station Rehabilitation	\$ 90	\$ 90	\$ 90	\$ 90	\$ 100	\$ 110	\$ 110	\$ 125	\$ 125	\$ 125	1,055
Cathodic Protection of Existing Pipelines	\$ 45	\$ 45	\$ 50	\$ 50	\$ 55	\$ 55	\$ 60	\$ 60	\$ 65	\$ 65	550
Cathodic Protection Remote Monitoring	\$ 30	\$ 30	\$ 35	\$ 35	\$ 40	\$ 40	\$ 50	\$ 50	\$ 60	\$ 60	430
Rectifier Anode Replacement	\$ 50	\$ 50	\$ 55	\$ 55	\$ 60	\$ 60	\$ 65	\$ 65	\$ 70	\$ 70	600
<b>A1A01 Subtotal</b>	<b>\$ 1,025</b>	<b>\$ 1,875</b>	<b>\$ 1,400</b>	<b>\$ 1,410</b>	<b>\$ 1,435</b>	<b>\$ 3,565</b>	<b>\$ 3,585</b>	<b>\$ 1,510</b>	<b>\$ 1,530</b>	<b>\$ 1,530</b>	<b>17,365</b>
<b>A1A02A Replacements - Distribution Pipelines</b>											
3rd Street San Rafael PRP	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500
Southern Heights PRP	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
Southern Marin PRP	\$ 800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	800
Greenbrae Boardwalk PRP	\$ 900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	900
Sunny Oaks PRP (Santa Venetia Inlet)	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	150
Pipeline Replacement Program	\$ -	\$ 2,560	\$ 3,170	\$ 6,400	\$ 5,800	\$ 5,500	\$ 6,400	\$ 7,000	\$ 7,800	\$ 8,250	52,880
Service Laterals Renewals	\$ 900	\$ 900	\$ 920	\$ 920	\$ 940	\$ 940	\$ 960	\$ 960	\$ 980	\$ 980	9,400
Fireline Lateral Renewals	\$ 50	\$ 50	\$ 58	\$ 61	\$ 63	\$ 65	\$ 67	\$ 69	\$ 71	\$ 73	627
<b>A1A02A Subtotal</b>	<b>\$ 3,400</b>	<b>\$ 3,510</b>	<b>\$ 4,148</b>	<b>\$ 7,381</b>	<b>\$ 6,803</b>	<b>\$ 6,505</b>	<b>\$ 7,427</b>	<b>\$ 8,029</b>	<b>\$ 8,851</b>	<b>\$ 9,303</b>	<b>65,357</b>
<b>A1A03 Replacements - Transmission Pipelines</b>											
Freitas Parkway Valve Replacement	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,000
San Quentin Bottleneck	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Valve Replacement Program	\$ 100	\$ 100	\$ 117	\$ 122	\$ 127	\$ 132	\$ 137	\$ 142	\$ 147	\$ 152	1,276
<b>A1A03 Subtotal</b>	<b>\$ 1,100</b>	<b>\$ 100</b>	<b>\$ 117</b>	<b>\$ 122</b>	<b>\$ 127</b>	<b>\$ 132</b>	<b>\$ 137</b>	<b>\$ 142</b>	<b>\$ 147</b>	<b>\$ 152</b>	<b>2,276</b>
<b>A1A04 Replacements - Treatment Facilities</b>											
SGTP Roof Replacement	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,000
SGTP Permanent Generator	\$ 2,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	2,200
BTTP Clearwell Repair	\$ 400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	400
SGTP Rate Control Valves	\$ -	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500
BTTP Ammonia Tank Replacement Project	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
SGTP Ammonia Tank Replacement Project	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
BTTP Ferric Storage Project	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200
BTTP Model 44 chemical feed pumps	\$ 175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	175
SGTP Caustic Storage Improvement Project	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	150
SGTP Model 44 chemical feed pumps	\$ 175	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	175
SGTP Clarifiers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Treatment Plant Design Bundle	\$ 190	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	190
Permanent Sample Stations	\$ 125	\$ 125	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	250
Ignacio Spare Chemical Room Improvement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Water Treatment Plan Master Plan Update	\$ -	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200
Treatment Plant Minor Repairs	\$ -	\$ -	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	1,200
Preventative Maintenance Projects	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	2,000
<b>A1A04 Subtotal</b>	<b>\$ 5,015</b>	<b>\$ 1,025</b>	<b>\$ 350</b>	<b>\$ 350</b>	<b>\$ 350</b>	<b>\$ 350</b>	<b>\$ 350</b>	<b>\$ 350</b>	<b>\$ 350</b>	<b>\$ 350</b>	<b>8,840</b>

Fund Center/Project	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	FY30/31	Total
<b>A1A05 Replacements - Reservoir/Dam Facilities</b>											
Alpine Cathodic Protection	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
Alpine Scour Valve Protection	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
Phase II Condition Assessment	\$ 75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	75
Kent Dam Spillway Repairs	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
Nicasio Dam Spillway Repairs	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
Soulajule Dam Spillway Repairs	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
Alpine Railing	\$ -	\$ -	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200
Nicasio Aerators	\$ -	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	200
Phoenix Dam Emergency Outlet Valve & Hydraulic	\$ 100	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	300
Lagunitas Dam Emergency Outlet Valve & Hydraulic	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Miscellaneous Replacements - Reservoir/Dam Facilit	\$ -	\$ 100	\$ 250	\$ 250	\$ 270	\$ 270	\$ 270	\$ 300	\$ 300	\$ 310	2,320
Soulajule Environmental Enhancement	\$ 50	\$ 50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
<b>A1A05 Subtotal</b>	<b>\$ 725</b>	<b>\$ 550</b>	<b>\$ 450</b>	<b>\$ 250</b>	<b>\$ 270</b>	<b>\$ 270</b>	<b>\$ 270</b>	<b>\$ 300</b>	<b>\$ 300</b>	<b>\$ 310</b>	<b>\$ 3,695</b>
<b>A1A06 Replacements - Buildings and Grounds</b>											
Admin Building and Yard/Warehouse Improvement	\$ 200	\$ 200	\$ 210	\$ 210	\$ 250	\$ 250	\$ 270	\$ 270	\$ 300	\$ 300	2,460
Office & Yard Building Capital Repairs	\$ 50	\$ 50	\$ 117	\$ 122	\$ 127	\$ 132	\$ 137	\$ 142	\$ 147	\$ 152	1,176
Pavement Replacement at Various Facilities	\$ 75	\$ 75	\$ 75	\$ 75	\$ 75	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	875
Fencing/Vandalism at Various Facilities	\$ 50	\$ 50	\$ 50	\$ 61	\$ 63	\$ 66	\$ 68	\$ 71	\$ 73	\$ 75	627
Retaining Wall Replacement	\$ 50	\$ 50	\$ 50	\$ 36	\$ 38	\$ 39	\$ 41	\$ 43	\$ 45	\$ 47	439
Admin Bldg Switchgear	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
Safety & Security (Fencing, Lighting, Gates, etc)	\$ -	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	150
Admin Building/Yard/Warehouse Facility Evaluation	\$ 250	\$ 250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500
<b>A1A06 Subtotal</b>	<b>\$ 775</b>	<b>\$ 825</b>	<b>\$ 502</b>	<b>\$ 504</b>	<b>\$ 553</b>	<b>\$ 587</b>	<b>\$ 616</b>	<b>\$ 626</b>	<b>\$ 665</b>	<b>\$ 674</b>	<b>\$ 6,327</b>
<b>A1A07 Replacements - Transmission Pumps</b>											
Tocaloma Pump Station Upgrade	\$ -	\$ 750	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,750
Phoenix Transfer Pump Station	\$ -	\$ -	\$ -	\$ 250	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	750
Federal Works Pump Station	\$ -	\$ -	\$ -	\$ -	\$ 250	\$ 750	\$ -	\$ -	\$ -	\$ -	1,000
Diesel Pumps at Alto Tanks	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ -	\$ -	\$ -	200
San Quentin Pump Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250	\$ 750	\$ -	\$ -	\$ -	1,000
Kastania Pump Station & Hydraulics	\$ 250	\$ 250	\$ 500	\$ 3,000	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ -	7,000
Large Distribution/Transmission Pump/Motor Repla	\$ 150	\$ 100	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	2,650
<b>A1A07 Subtotal</b>	<b>\$ 400</b>	<b>\$ 1,100</b>	<b>\$ 1,800</b>	<b>\$ 3,550</b>	<b>\$ 4,050</b>	<b>\$ 1,300</b>	<b>\$ 1,250</b>	<b>\$ 300</b>	<b>\$ 300</b>	<b>\$ 300</b>	<b>\$ 14,350</b>
<b>A1A08 - Replacements - Distribution Pumps</b>											
Distribution Pump Station Rehab Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750	\$ 750	\$ 750	\$ 650	\$ 650	3,550
Distribution Pump/Motor/Valve Replacement	\$ 35	\$ 35	\$ 55	\$ 55	\$ 60	\$ 60	\$ 65	\$ 65	\$ 70	\$ 70	570
<b>A1A08 Subtotal</b>	<b>\$ 35</b>	<b>\$ 35</b>	<b>\$ 55</b>	<b>\$ 55</b>	<b>\$ 60</b>	<b>\$ 810</b>	<b>\$ 815</b>	<b>\$ 815</b>	<b>\$ 720</b>	<b>\$ 720</b>	<b>\$ 4,120</b>
<b>A1A09 Replacements - Control Systems</b>											
Replacement of Failed Control Equipment	\$ -	\$ -	\$ 41	\$ 43	\$ 44	\$ 46	\$ 48	\$ 50	\$ 52	\$ 54	378
SCADA System - Replace Hardware/Software	\$ 25	\$ 25	\$ 292	\$ 304	\$ 316	\$ 329	\$ 342	\$ 356	\$ 360	\$ 364	2,713
<b>A1A09 Subtotal</b>	<b>\$ 25</b>	<b>\$ 25</b>	<b>\$ 333</b>	<b>\$ 347</b>	<b>\$ 360</b>	<b>\$ 375</b>	<b>\$ 390</b>	<b>\$ 406</b>	<b>\$ 412</b>	<b>\$ 418</b>	<b>\$ 3,091</b>
<b>A1A10 Replacements - Control Valves</b>											
Control Valve Replacement Program	\$ 35	\$ 35	\$ 45	\$ 45	\$ 50	\$ 50	\$ 50	\$ 55	\$ 60	\$ 60	485
Control Valve Enclosure Replacement Program	\$ 15	\$ 15	\$ 20	\$ 20	\$ 20	\$ 25	\$ 25	\$ 25	\$ 25	\$ 25	215
San Anselmo Hub Regulator	\$ -	\$ 200	\$ 1,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,900
<b>A1A10 Subtotal</b>	<b>\$ 50</b>	<b>\$ 250</b>	<b>\$ 1,765</b>	<b>\$ 65</b>	<b>\$ 70</b>	<b>\$ 75</b>	<b>\$ 75</b>	<b>\$ 80</b>	<b>\$ 85</b>	<b>\$ 85</b>	<b>\$ 2,600</b>
<b>A1A11 Replacements - Storage Tanks</b>											
Ross Reservoir Replacement	\$ 500	\$ 1,000	\$ 5,000	\$ 4,000	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	11,000
Smith Saddle Tank Rehabilitation	\$ 3,200	\$ 2,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,700
Bolsa Tank Replacement (Redwood Tank)	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	500
Scenic Avenue Tank Replacement (Redwood Tank)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ -	\$ -	\$ -	\$ -	500
Courtwright Tank (& Winship Tank) Decommissionir	\$ -	\$ -	\$ 520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	520
Madera Park Tank Replacement (Redwood Tank)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500	\$ -	\$ -	\$ -	500
Hind Tanks Replacement (Redwood Tanks)	\$ -	\$ -	\$ 100	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,300
Water Quality Improvement Program	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	1,500
Pine Mountain Tunnel Replacement	\$ -	\$ -	\$ -	\$ 2,000	\$ 6,000	\$ 2,000	\$ -	\$ -	\$ -	\$ -	10,000
<b>A1A11 Subtotal</b>	<b>\$ 3,850</b>	<b>\$ 3,650</b>	<b>\$ 5,770</b>	<b>\$ 7,350</b>	<b>\$ 7,150</b>	<b>\$ 2,650</b>	<b>\$ 650</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 31,520</b>

Fund Center/Project	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	FY30/31	Total
<b>A1A13 Replacements - Meters</b>											
Service Meters	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	2,000
Large Production, Transmission Meter Replacement	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	500
<b>A1A13 Subtotal</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>\$ 250</b>	<b>2,500</b>
<b>A1A14 Replacements - Fire Chief's Fund</b>											
Fire Chief's Fund - Replacements	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	1,500
<b>A1A14 Subtotal</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>\$ 150</b>	<b>1,500</b>
<b>A1A16 Program Management</b>											
Water System Master Plan	\$ 700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	700
Asset Management	\$ -	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	450
<b>A1A16 Subtotal</b>	<b>\$ 700</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>1,150</b>
<b>A1C03 Recycled Water Treatment Facilities</b>											
Recycled Water LGVSD Capital	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	500
<b>A1C03 Subtotal</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>500</b>
<b>A1E01 Watershed - Minor Structures I/R/R</b>											
Lake Lagunitas Flush Toilets	\$ -	\$ 447	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	447
Dipsea Trail Water Fountain	\$ -	\$ -	\$ -	\$ 28	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	28
Lake Lagunitas Picnic Ground Rehabilitation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 91	\$ 316	407
Misc. Non-water system Minor Structures Capital R	\$ -	\$ -	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	\$ 50	400
<b>A1E01 Subtotal</b>	<b>\$ -</b>	<b>\$ 447</b>	<b>\$ 50</b>	<b>\$ 78</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 141</b>	<b>\$ 366</b>	<b>1,282</b>
<b>A1E02 Watershed - Ranger Residence Improvements</b>											
Lake Lagunitas Residence Repairs	\$ -	\$ -	\$ -	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	300
Alpine Dam Residence Water System Upgrade	\$ -	\$ 120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	120
Sky Oaks Residence Repairs	\$ -	\$ -	\$ 31	\$ 162	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	193
Misc Ranger Residence Repairs	\$ -	\$ -	\$ 115	\$ 115	\$ 120	\$ 120	\$ 120	\$ 125	\$ 125	\$ 130	970
<b>A1E02 Subtotal</b>	<b>\$ -</b>	<b>\$ 120</b>	<b>\$ 146</b>	<b>\$ 577</b>	<b>\$ 120</b>	<b>\$ 120</b>	<b>\$ 120</b>	<b>\$ 125</b>	<b>\$ 125</b>	<b>\$ 130</b>	<b>1,583</b>
<b>A1E04 Watershed - Trail Repair and Improvement</b>											
Cataract Trail Rehabilitation	\$ -	\$ -	\$ 110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	110
Misc Trail Improvements/Rehabilitation	\$ 50	\$ 50	\$ 75	\$ 75	\$ 100	\$ 100	\$ 110	\$ 110	\$ 120	\$ 120	910
<b>A1E04 Subtotal</b>	<b>\$ 50</b>	<b>\$ 50</b>	<b>\$ 185</b>	<b>\$ 75</b>	<b>\$ 100</b>	<b>\$ 100</b>	<b>\$ 110</b>	<b>\$ 110</b>	<b>\$ 120</b>	<b>\$ 120</b>	<b>1,020</b>
<b>A1E05 Watershed - Road Repair and Improvements</b>											
Culvert Planning & Permitting	\$ 225	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	225
Filter Plant Road Culvert Repairs	\$ 110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	110
Culverts - Southern Marin Line	\$ -	\$ 325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	325
Culverts - Kent Pump Road	\$ -	\$ -	\$ 50	\$ 250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	300
Culverts - Cross Marin Trail	\$ -	\$ -	\$ -	\$ -	\$ 200	\$ 500	\$ 300	\$ -	\$ -	\$ -	1,000
Watershed Road Repair	\$ 110	\$ 110	\$ 175	\$ 182	\$ 190	\$ 197	\$ 200	\$ 213	\$ 220	\$ 225	1,822
Boat Ramps	\$ -	\$ 200	\$ 100	\$ 20	\$ 50	\$ -	\$ -	\$ -	\$ -	\$ -	370
Culvert & Stream Crossing Repairs	\$ 300	\$ 300	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	900
Sky Oaks Road & Filter Plant Road Widening Project	\$ -	\$ -	\$ 400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	400
<b>A1E05 Subtotal</b>	<b>\$ 745</b>	<b>\$ 935</b>	<b>\$ 1,025</b>	<b>\$ 452</b>	<b>\$ 440</b>	<b>\$ 697</b>	<b>\$ 500</b>	<b>\$ 213</b>	<b>\$ 220</b>	<b>\$ 225</b>	<b>5,452</b>
<b>A1E07 Watershed - Natural Capital and Green Infrastructure</b>											
Misc Habitat Restoration & Revegetation Projects	\$ -	\$ -	\$ 58	\$ 65	\$ 140	\$ 140	\$ 70	\$ 71	\$ 73	\$ 75	692
Lagunitas Creek Habitat Project Planning	\$ 100	\$ 100	\$ 29	\$ 30	\$ 32	\$ 33	\$ 33	\$ 36	\$ 40	\$ 40	473
Fire & Fuels Management	\$ 1,082	\$ 1,125	\$ 1,170	\$ 1,217	\$ 1,265	\$ 1,316	\$ 1,369	\$ 1,423	\$ 1,476	\$ 1,529	12,972
<b>A1E07 Subtotal</b>	<b>\$ 1,182</b>	<b>\$ 1,225</b>	<b>\$ 1,257</b>	<b>\$ 1,312</b>	<b>\$ 1,437</b>	<b>\$ 1,489</b>	<b>\$ 1,472</b>	<b>\$ 1,530</b>	<b>\$ 1,589</b>	<b>\$ 1,644</b>	<b>14,137</b>

Fund Center/Project	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	FY29/30	FY30/31	Total
<b>A1F06 Reimbursable - Split Grant Funding</b>											
Local Hazard Mitigation Plan	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100
Azalea Hill Restoration Implementation	\$ 150	\$ 750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	900
CDFW Fisheries Restoration Grant Proposal (65%, 9)	\$ 120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	120
<b>A1E07 Subtotal</b>	<b>\$ 370</b>	<b>\$ 750</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>1,120</b>
<b>A2A Fire Flow Improvement Program</b>											
Ridge Road	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,200
Monterey SA FFIP	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,500
Wolfback Ridge 6-in under Hwy 101	\$ 500	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,000
NML Stabilization FFIP	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500
Mill Valley/Alto Tunnel FFIP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Fire Flow Improvement Program	\$ 800	\$ 4,000	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	40,800
<b>A2A Subtotal</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>\$ 4,500</b>	<b>45,000</b>
<b>A4B Information Technology - IT</b>											
GIS Upgrade	\$ -	\$ -	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	500
Server/SAN Upgrade	\$ -	\$ 850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	850
SAP Replacement	\$ -	\$ -	\$ -	\$ 500	\$ 1,500	\$ -	\$ -	\$ -	\$ -	\$ -	2,000
A4B Information Technology - IT	\$ 400	\$ 300	\$ 300	\$ 300	\$ 300	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	3,600
<b>A4B Subtotal</b>	<b>\$ 400</b>	<b>\$ 1,150</b>	<b>\$ 800</b>	<b>\$ 800</b>	<b>\$ 1,800</b>	<b>\$ 400</b>	<b>\$ 400</b>	<b>\$ 400</b>	<b>\$ 400</b>	<b>\$ 400</b>	<b>6,950</b>
<b>Capital Equipment Purchases</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>\$ 1,700</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>\$ 1,300</b>	<b>13,400</b>
Pipelines	\$ 9,400	\$ 8,510	\$ 9,165	\$ 12,403	\$ 11,830	\$ 11,537	\$ 12,464	\$ 13,071	\$ 13,898	\$ 14,355	116,633
Pump Stations	\$ 485	\$ 1,385	\$ 3,620	\$ 3,670	\$ 4,180	\$ 2,185	\$ 2,140	\$ 1,195	\$ 1,105	\$ 1,105	21,070
Storage Tanks	\$ 4,875	\$ 5,525	\$ 7,170	\$ 8,760	\$ 8,585	\$ 6,215	\$ 4,235	\$ 1,660	\$ 1,680	\$ 1,680	50,385
Treatment Plants	\$ 5,065	\$ 1,075	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	9,340
Watershed	\$ 2,702	\$ 3,327	\$ 3,113	\$ 2,744	\$ 2,417	\$ 2,726	\$ 2,522	\$ 2,328	\$ 2,495	\$ 2,795	27,169
General Improvements	\$ 3,570	\$ 4,100	\$ 3,385	\$ 3,001	\$ 4,063	\$ 2,712	\$ 2,756	\$ 2,782	\$ 2,827	\$ 2,842	32,038
<b>TOTAL EXPENDITURES (in 1000's)</b>	<b>\$ 26,097</b>	<b>\$ 23,922</b>	<b>\$ 26,853</b>	<b>\$ 30,978</b>	<b>\$ 31,475</b>	<b>\$ 25,775</b>	<b>\$ 24,517</b>	<b>\$ 21,436</b>	<b>\$ 22,405</b>	<b>\$ 23,177</b>	<b>256,635</b>



**Item Number:** 11  
**Meeting Date:** 05-18-2021  
**Meeting:** Board of Directors

## Informational Item

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**TO:** Board of Directors

**FROM:** Terrie Gillen, Board Secretary

**THROUGH:** Ben Horenstein, General Manager

**DIVISION NAME:** Communications & Public Affairs Department

**ITEM:** Future Meeting Schedule and Agenda Items

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### SUMMARY

Review of the upcoming Board of Directors and Committee meetings.

### DISCUSSION

Below are the upcoming meetings of the Board of Directors and/or Committees:

- Wednesday, May 19, 2021  
Communications & Water Efficiency Committee/Board of Directors (Communications & Water Efficiency) Meeting  
9:30 a.m.
- Friday, May 21, 2021  
Operations Committee/Board of Directors (Operations) Meeting  
9:30 a.m.
- Friday, May 21, 2021  
Recreation Management Plan Public Scoping (Special Meeting)  
2:00 p.m.
- Thursday, May 27, 2021  
Finance & Administration Committee/Board of Directors (Finance & Administration) Meeting  
9:30 a.m.

### FISCAL IMPACT

None

### ATTACHMENT(S)

None