



NOTICE OF BOARD OF DIRECTORS’ SPECIAL MEETING

MEETING DATE: 08-26-2022

TIME: 2:00 p.m.

LOCATION: This meeting will be held virtually, pursuant to Assembly Bill (AB) 361.

To participate online, go to <https://us06web.zoom.us/j/82383119285>. You can also participate by phone by calling **1-669-900-6833** and entering the **webinar ID#: 823 8311 9285**.

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. All emailed comments received by 11 a.m. on the day of the meeting will be provided to the Board of Directors prior to the 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 at 2:00 p.m.	
Adoption of Agenda	<i>Approve</i>

Public Comment - Items Not on the Agenda

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.

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

1. General Manager’s Report July 2022 (Approximate time 10 minutes)	<i>Approve</i>
2. Review of Distributed Infrastructure (Approximate time 30 minutes)	<i>Information</i>
Adjournment (2:40 p.m. – Time Approximate)	

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 an individual with a disability 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 AGENDAS 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:

- ❖ Tuesday, September 6, 2022
Board of Directors’ Regular Bi-Monthly Meeting
7:30 p.m.
- ❖ Tuesday, September 13, 2022
Board of Directors’ Special Meeting
Strategic Water Supply Assessment Working Session
5:00 p.m.
- ❖ Wednesday, September 14, 2022
Watershed Recreation Management Plan Community Workshop #3
In-Person Meeting at Lake Lagunitas Group Picnic Area
5:00 p.m.



Board Secretary

Approval Item

TITLE

General Manager's Report July 2022

RECOMMENDATION

Approve Report

SUMMARY**A. HIGHLIGHTS:**

- Staff and our consulting team are working closely with the California Office of Emergency to complete a seismic evaluation report that will significantly improve the District's chances of grant funding via the Federal Emergency Management Agency up to 90% of the total project cost.
- Staff has completed the design for the installation of a new hydrant near the San Anselmo Children's Center in Fairfax that will enhance fire flow protection at the Children's Center.
- District awarded three new construction projects: Sky Oaks Road Retaining Wall, Barber Avenue Pipeline Replacement Project, and Treehaven Pipeline Replacement Project.
- The daily average net production for the month of July, 2022 was 23.11 MGD compared to 23.07 MGD for the month of July, 2021. Typical summer time peak demand is 31 MGD.
- The Strategic Water Supply Assessment continued with 4 public meetings since June 28 focusing on potential Water Supply alternatives. In addition, on July 28 staff continued the outreach and engagement with our customers on the subject of water supply resiliency with Public Workshop #3.

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:

	FY 2022/23		FY 2021/22	
	(million gallons)	(acre-feet)	(million gallons)	(acre-feet)
Potable				
Total production this FY	716	2,199	715	2,195
Monthly production, July	716	2,199	715	2,195
Daily average, July	23.11	70.92	23.08	70.82
Recycled				
Total production this FY	32.64	100.17	27.85	85.47
Monthly production, July	32.64	100.17	27.85	85.47
Daily average, July	1.05	3.23	0.90	2.76
Raw Water				
Total production this FY	9.98	30.63	5.94	18.23
Monthly production, July	9.98	30.63	5.94	18.23
Daily average, July	0.32	0.99	0.19	0.59
Imported Water				
Total imported this FY	107	328	123	377
Monthly imported, July	107	328	123	377
Reservoir Storage				
Total storage, July	20,995	64,432	10,606	32,549
Storage change during July	-867	-2,660	-1,149	-3,526
Stream Releases				
Total releases this FY	200	612	146	448
Monthly releases, July	200	612	146	448

2. <u>Precipitation:</u>	<u>FY 2022/23 (in.)</u>	<u>FY 2021/22 (in.)</u>
Alpine	0.00	0.00
Bon Tempe	0.00	0.00
Kent	0.00	0.00
Lagunitas *	0.00	0.00
Nicasio	0.00	0.00
Phoenix	0.00	0.00
Soulajule	0.00	0.00
* Average to date = 0.06 inches		

3. <u>Water Quality:</u>		<u>FY 2022/23</u>	<u>FY 2021/22</u>
<u>Laboratory:</u>			
Water Quality Complaints:			
Month of Record		16	13
Fiscal Year to Date		16	13
Water Quality Information Phone Calls:			
Month of Record		9	7
Fiscal Year to Date		9	7

The WQ lab ensured that the water supplied met or surpassed water quality regulations by collecting and analyzing 2,305 analyses on lakes, treatment plants and distribution system samples.

Mild steel corrosion rates averaged 3.28(0.65– 6.72) MPY. The AWWA has recommended an operating level of <5 MPY with a goal of <1 MPY.

Complaint Flushing: One flushing events was performed for this month on record at 90 Evelyn Ave in Mill Valley to improve water quality.

Tank Survey Program: 13 water storage tank sanitary surveys were performed during the month. 51.55 % planned survey program has been completed for calendar year 2022.

Disinfection Program: No pipelines were disinfected during the month. Performed chlorination for 55 water storage tanks to ensure compliance with bacteriological water quality regulations.

Tank Water Quality Monitoring Program: Performed 70 water quality-monitoring events on storage tanks for various water quality parameters this month to help ensure compliance with bacteriological water quality regulations.

Summary:

The lab performed 13 sanitary tank surveys, treated 55 tanks for low chlorine, and checked an additional 70 tanks for low chlorine residual in July 2022.

4. Water Treatment:

<u>Treatment Results</u>	<u>San Geronimo</u>		<u>Bon Tempe</u>		<u>Ignacio</u>	
	Average	Monthly Goal	Average	Monthly Goal	Average	Monthly Goal
Turbidity (NTU)	0.07	≤ 0.10	0.04	≤ 0.10	0.04	≤ 0.10
Chlorine residual (mg/L)	2.77	2.75 *	2.66	2.75 *	2.83	2.75 *
Color (units)	1.2	≤ 15	0.2	≤ 15	0.2	≤ 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. San Geronimo Treatment Plant Permanent Emergency Generator Project (D19027)

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

- Project Budget: \$5,375,600
- Monthly Activities: Generators, fuel tanks, and the transformer have been installed at the project site. The system is ready to provide emergency backup power to the treatment plant in manual mode. All improvements including asphalt, concrete, generator platforms, and the electrical building structure have been completed. The Contractor continues work onsite to install system lighting and complete other miscellaneous contract items. Completion of automatic

fueling and power transfer systems are pending, and anticipated to be complete November 2022.

- b. San Rafael 3rd Street Pipeline Replacement Project (D17026): This project involves installing approximately 6,570 linear feet of pipe and 54 water service laterals.
 - Project Budget: \$4,512,603
 - Monthly Activities: The contractor continues night work on Third Street between Lincoln Avenue and Irwin Street and from San Rafael High School to Mary Street. The majority of water distribution facilities west of Lincoln Avenue have been installed. Project completion anticipated September 2022.

- c. Mill Valley East Blithedale Pipeline Replacement Project (D20021): This project involves installing 5,490 feet of pipe to replace 100-year old pipe in coordination with Mill Valley's road paving project.
 - Project Budget: \$3,154,237
 - Monthly Activities: All water facilities between Camino Alto and Alta Vista Avenue have been installed. All water main has been installed. The District is working collaboratively with the City of Mill Valley and their paving contractor to coordinate joint project schedules and mitigate traffic impacts. Overall project completion anticipated early September 2022.

- d. Sky Oaks Road Retaining Wall Project (D22027): This project involves installing a soldier pile wall with drilled concrete piers, concrete lagging, and guard rail on Sky Oaks Road to facilitate construction traffic from the Pine Mountain Tank Project. All work under this contract is scheduled as night work so Sky Oaks Road can remain open during the day to the public, emergency services, and essential deliveries to the Bon Tempe Treatment Plant.
 - Project Budget: \$328,220
 - Monthly Activities: The project was awarded at the July 5 Board Meeting and a pre-construction meeting was held July 26. The Project is currently in the submittal phase and is anticipated to break ground early August. Project completion is anticipated at the end of September.

- e. Barber Avenue Pipeline Replacement Project (D22025): This project involves replacing approximately 440 linear feet of leak-prone piping installed as early as 1902 in coordination with the Town of San Anselmo's road paving project.
 - Project Budget: \$240,000

- Monthly Activities: The project was awarded at the July 5 Board Meeting and a pre-construction meeting was held August 2. The Project is currently in the submittal phase and is anticipated to break ground early August. Project completion is anticipated at the end of September.

- f. Treehaven Pipeline Replacement Project (F21003): This project is a component of the District’s Fire Flow Improvement Program, and will replace nearly 8,000 linear feet of undersized fire flow deficient pipe as old as 95-years with 8-inch and 6-inch welded steel pipe.
- Project Budget: \$3,654,990
 - Monthly Activities: The project was awarded at the July 19 Board Meeting and a pre-construction meeting is anticipated early August. Project completion is anticipated at the end of January 2023.

6. Other:

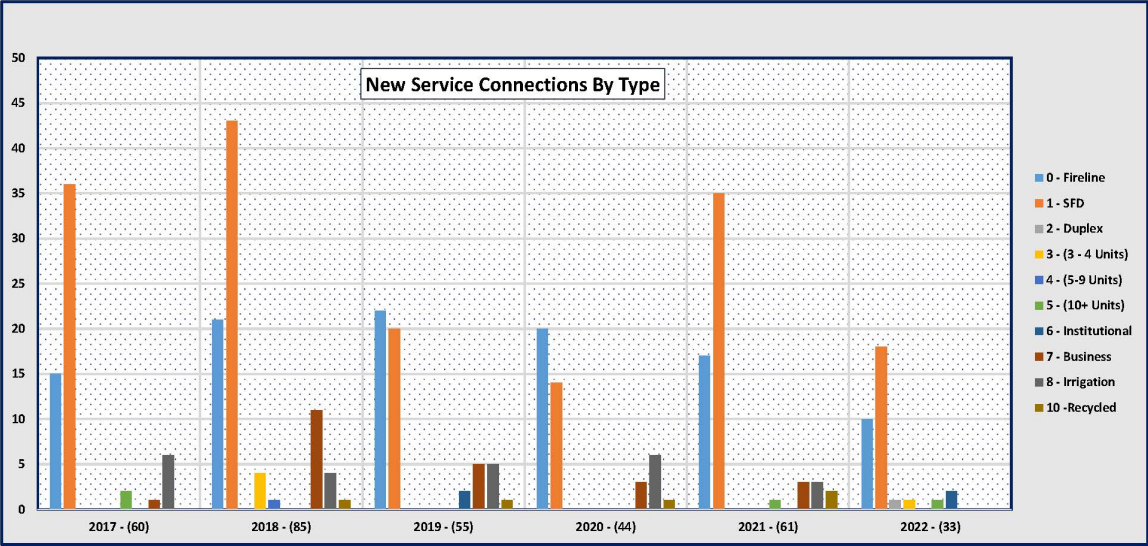
<u>Pipeline Installation</u>	<u>FY2022/23</u>	<u>FY2021/22</u>
Pipe installed during July (feet)	1,142	3,727
Total pipe installed this fiscal year (feet)	1,142	3,727
Total miles of pipeline within the District	908*	908*

** Reflects adjustment for abandoned pipelines*

<u>Pipe Locates (1057 Responses)</u>	<u>FY2022/23</u>	<u>FY2021/22</u>
Month of July (feet)	43,555	48,806
Total this fiscal year (feet)	43,555	48,806

<u>Main Line Leaks Repaired:</u>	<u>FY2022/23</u>	<u>FY2021/22</u>
Month of July	7	20
Total this fiscal year	7	20

<u>Services:</u>	<u>FY2022/23</u>	<u>FY2021/22</u>
Service upgrades during July	12	13
Total service upgrades this FY	12	13
Service connections installed during July	5	3
Total active services as of August 1, 2022	60,428	60,376



7. Demand Management:

	Jul-22	FY 22/23 TOTAL	FY 21/22 TOTAL	FY 20/21 TOTAL
WATER-EFFICIENCY PROGRAMS				
Water-Use Site Surveys				
Conservation Assistance Program (CAP) Consultations				
Residential properties resi 1-2 (single-family)	35	35	731	117
Residential properties resi 3-5 (multi-family units)	0	0	7	5
Non-residential properties resi 6-7 (commercial)	0	0	1	5
Dedicated irrigation accounts resi 8-10 (large landscape)	0	0	3	6
Marin Master Gardeners' Marin-Friendly Garden Walks				
Residential garden walks	3	3	99	129
Public Outreach and Education, Customer Service				
Public outreach events (number of people attending)				
Public education events (number of participants)	100	100	1602	0
Customer calls/emails admin staff	119	119	413	398
	492	492	9508	5738
School Education				
School assemblies				
Number of activities	0	0	0	0
Number of students reached	0	0	0	0
Field trips				
Number of activities	0	0	0	0
Number of students reached	0	0	0	0
Classroom presentations				
Number of activities	0	0	0	1
Number of students reached	0	0	0	22
Other (e.g. booth events, school gardens)				
Number of activities	0	0	0	0
Number of students reached	0	0	0	0
Incentives				
Number of HECWs approved	2	2	190	163
Number of Rain Barrel/Cisterns approved	0	0	76	19
"Landscape Your Lawn" Turf Replacements approved	8	8	402	6
Number of Laundry-to-Landscape Systems approved	0	0	27	0
Hot water recirculating system rebates	3	3	122	0
Pool Cover rebates	1	1	298	0
HET rebates	2	2	92	0
Number of Smart Controllers rebates approved	1	1	69	85
Number of Smart Home Water Monitor "Flume Direct Distribution" redeemed	25	25	1568	1140
Number of Smart Controllers "Rachio Direct Distribution" approved	14	14	178	233
Advanced Metering Infrastructure (AMI)				
AMI leak letters sent to customers (>200 GPD)	99	99	1050	1601
ORDINANCES				
Water Waste Prevention				
No. of properties reporting activity	72	72	4451	589
Landscape Plan Review				
Plans submitted	6	6	77	94
Plans exempt	0	0	1	4
Plans completed	2	2	17	19
Plans in workflow (pass & fail)	7	7	123	154
Tier 4 Exemption				
Inspections that resulted in a pass	0	0	1	1
Graywater Compliance Form				
Applications Received (as of Dec 2019)	7	7	57	106
Systems installed	0	0	13	7

8. Watershed Protection:

Rescue on Cataract Trails

On July 11 all on-duty Rangers and the Ranger Aide, along with Marin County Fire, Ross Valley Fire and Marin Search and Rescue responded to Cataract Trail for a 70 year old hiker who fell over 60 feet off the trail into Cataract Creek. Chief Ranger Wick and Ranger Aide Faus for the first rescuers on-scene and provided vital patient care and directed other first responders to the scene. A helicopter rescue was attempted, but was unsuccessful, therefore a long rescuer intensive carry-out was performed. The patient was transported by ambulance to the hospital with serious injuries.



Ranger Aide Faus with SAR and Fire rescuers.

Wildland Firefighting Training

The Rangers and other Watershed Staff with fireline duties have a rigorous training program. All Watershed Staff with fireline duties must complete at least 55 hours of training to qualify as a Firefighter Type 2. In addition to this Staff must complete eight hours of fireline safety training annually to maintain their certifications as wildland firefighters. Staff also complete at least six hours of in-service training per year. These trainings focus on specific firefighting skills.

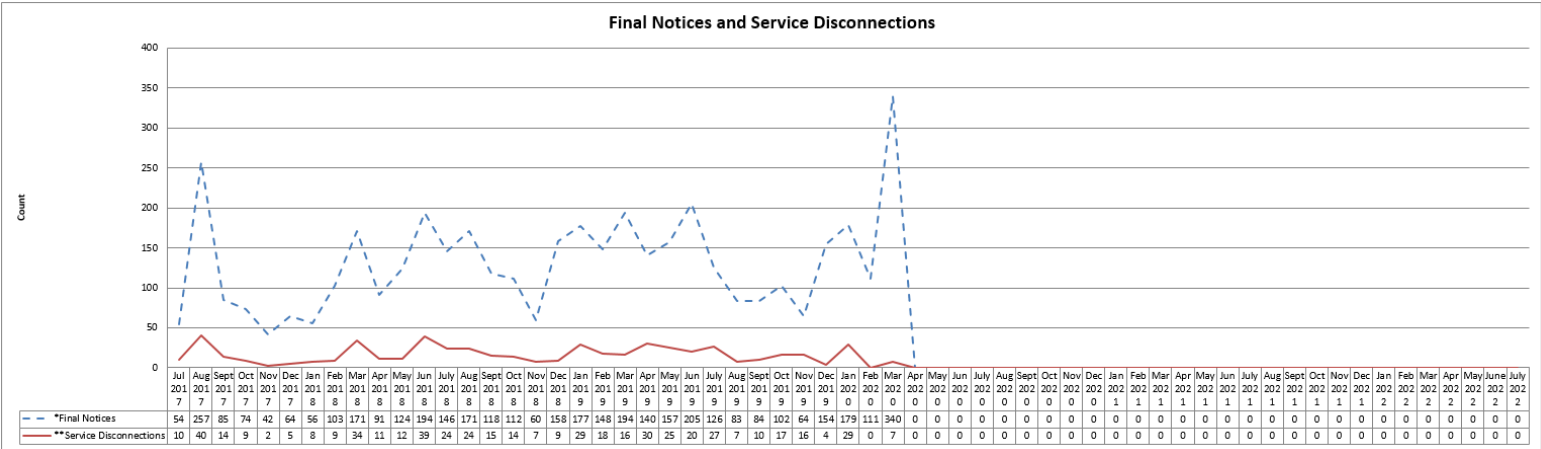
The Rangers and some of the other Watershed Staff also complete more advanced training to qualify as Firefighter Type 1/Engine Operators and Engine Boss.

Incidents and Events	446
Visitor Assists	148
Warnings	123
Citations	82
Dam Check	15
Vandalism	14
Assist Watershed Maintenance	9
Medical Aid	8
Humane/Animal Call for Service	8
Complaint: Illegal Bike Use	4
Citizen Complaint: Bike Speed	4
Search and Rescue	3
Suspicious Circumstance	3
Citizen Complaint: Off Leash Dog	3
Misc Law Enforcement Calls	2
Vehicle Accident	2
Illegal Fire	2
Outreach/Interp	2
Misc Call for Service	1
Theft	1
Found Property	1
Illegal Trail Work	1
Assist Fire/EMS	1
Vegetation Fire	1
Citizen Complaint: Illegal Fire	1
Smoke Check	1
Illegal Camping	1
Preventative Search and Rescue	1
Illegal Off Road use	1
Assist Outside Law Enforcement	1
Citizen Complaint: Swimming	1
Citizen Complaint: eBike	1
Citations	82
Non-Payment of Parking Fees	69
Parking with 6 ft. of Center/Obstruct Traffic	6
Parking After Sunset	2
Entering Closed Area	1
Bike on Trail	1
Swimming in Public Drinking Water	1




9. Shutoff Notices and Disconnections:

Month	July 2022
Final Notices	0
Service Disconnections	0



FISCAL IMPACT
 None

ATTACHMENT(S)
 None

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Office of the General Manager	_____	
	Ben Horenstein General Manager	Ben Horenstein General Manager



Informational Item

TO: Board of Directors

FROM: Paul Sellier, Director of Water Resources

A handwritten signature in blue ink, appearing to be "PS", located to the right of the "FROM" line.

THROUGH: Ben Horenstein, General Manager

A handwritten signature in blue ink, appearing to be "BH", located to the right of the "THROUGH" line.

DIVISION NAME: Water Resources Division

ITEM: Review of Distributed Infrastructure

SUMMARY

Staff will provide a review and discussion of On-site Reuse focusing on graywater and rainwater harvesting.

DISCUSSION

On-site reuse may be an area that holds potential for greater water savings than the District, and broadly the industry, has been able to realize. Staff will provide a review of the District's on-site reuse history, strategy and process as well as concepts for improving community participation in this area of water use efficiency.

FISCAL IMPACT

There is no fiscal impact.

ATTACHMENT(S)

None