



# STAFF REPORT

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**Meeting Type:** Board of Directors  
**Title:** General Manager's Report August 2025  
**From:** Ben Horenstein, General Manager  
**Meeting Date:** September 16, 2025

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**TYPE OF ITEM:** X      Action                      Information

**RECOMMENDATION:** Approve Report

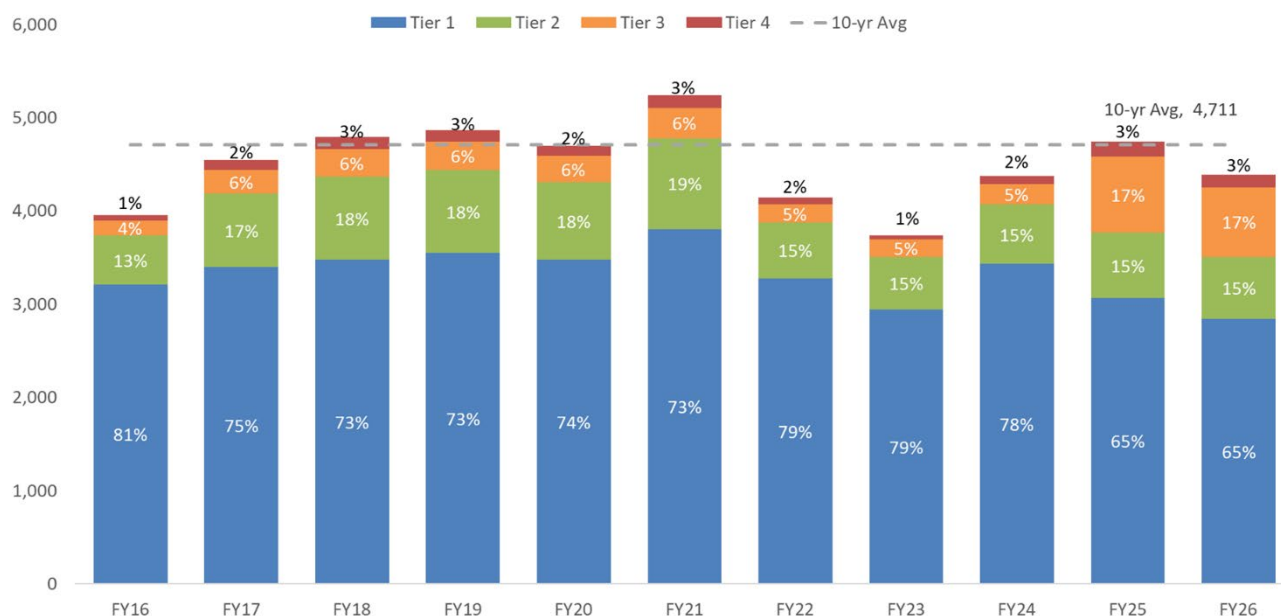
## SUMMARY:

### A. HIGHLIGHTS:

- The daily average net production for the month of August 2025 was 24.5 MGD compared to 25.9 MGD for the month of August 2024. Typical usage for August is 31.7 MGD.
- Staff met with the Division of Safety of Dams to discuss the geotechnical boring and exploration plan for Seeger Dam. This work will identify the materials within the dam core that are important to provide the District with a current and modern dam stability analysis for Seeger Dam.
- Staff solicited and have received statements of qualifications from qualified engineering firms to provide engineering design services on various water treatment plant projects that include chemical tank storage design at the San Geronimo Treatment Plant and Liquid Ammonium Sulfate (LAS) upgrades at the Bon Tempe Treatment Plant. These designs require engineering expertise, which are necessary to continue executing treatment plant capital projects.
- District awarded the Canal Pipeline Replacement Project, which will replace 3,800 feet of leak prone pipe and plastic service laterals with welded steel pipe and copper laterals, which will increasing seismic resiliency in the community of the Canal area in San Rafael.
- Data loggers were installed on electrical panels in each of the three District office locations. This load study will help the District determine how the District can move forward with electric vehicle charging station expansion.
- Staff completed installation of a new lake level sensor at Lagunitas. The new lake level sensor will allow remote monitoring for a broader range of levels.
- The District continued implementation of BFFIP Year 7 through August 2025 with an additional 21 acre prescribed burn just north of the existing July, 40 acre, prescribed burn footprint. The burn was conducted in coordination with Marin County Fire Dept. in Oak Woodland habitat, and objectives focused on fuels reduction, habitat preservation, smoke management, and safety were met.

- BFFIP vegetation management projects included a return to the ongoing forestry & Doug Fir thinning project near Rock Springs, and an enhanced clearing effort around the Bon Tempe Treatment Plant (BTTP). In total roughly 6 acres of vegetation was cleared down to mineral soil around BTTP to supported development of the planned wildfire suppression sprinkler system.
- The Volunteer Program working with Redwood Trail Alliance hosted a trail stewardship event along Upper Cataract Trail on August 2nd and began preparing for additional trail work along the Alex Forman Trail.
- Construction began on Phase 1B of the Lagunitas Creek Habitat Enhancement Project, with three of five sites getting completed in August. The District's contractor utilized innovative equipment including a "stone slinger", which has a directionally-controlled high speed conveyor system to throw new gravel from the top of the bank down to the creek bed. A total of 2,150 tons (approximately 100 dump trucks) of new spawning gravel were installed using this method. Fisheries supported this work by conducting fish rescue and relocation from the project area and daily onsite monitoring.

### TIER CONSUMPTION AS OF AUGUST 2025 (Acre Feet)



AWARDED GRANTS							
PROJECT	FUNDER	FUNDER PRIORITIES	FUNDING OPPORTUNITY	MATCHING PROJECT	DESCRIPTION	STATUS	AWARD AMOUNT
Prop.1.Round 2 IRwM Disadvantaged Community	DWR	Water Infrastructure	Prop.1.Round 2 IRwM Disadvantaged Community	Marin City/San Rafael Infrastructure	Replacing aging transmission lines and laterals in Marin City and San Rafael's Canal District	Awarded; in progress and on track. Funding MOU and work plan is executed and in place with Multicultural Center of	\$6,408,000
Forestry Corps	CCNB	Vegetation Management		Ongoing Forestry work	Workforce development; state funding directly to CCNB to fund crews working on the watershed	Awarded; in progress and on-track.	\$500,000
Fisheries Restoration Grant Program	CDFW	Fisheries	Fisheries Restoration Grant Program (FRGP)	Lagunitas Creek Restoration	Lagunitas Creek Coho Habitat Enhancement Plan - 100% Designs for Phase 2 Sites (7, 8, 9, 10, 11); CEQA	Awarded; in progress and on-track.	\$599,689
Lagunitas Creek Salmonid Spawning Gravel Improvement Project	DWR	Fisheries	Riverine Stewardship Program (RSP)	Lagunitas Creek Restoration	Gravel augmentation for Lagunitas Creek. The Lagunitas Creek Salmon Spawning Gravel Project will inject 1,700 tons of clean river-run gravel just below Peters Dam and Kent Lake at two sites within Lagunitas Creek. This project is part of a larger 13-site project with over 100 large wood structures and gravel to restore 4 miles of Lagunitas Creek to its historical geomorphic condition. This would be the first time that gravel augmentation would be conducted in Lagunitas Creek.	Awarded; in progress and on-track.	\$590,000
Lagunitas Creek Salmonid Spawning Gravel Improvement Project	USBR Environmental Restoration Project	Fisheries		Lagunitas Creek Restoration	Gravel augmentation for Lagunitas Creek Sites 1-3	Awarded; in progress and on-track.	\$1,400,000
Rain Water Harvesting Project	MCSTOPP	Conservation		Conservation	Barrels for customers	Awarded; in progress and on-track.	\$15,032
Urban Multi-Benefit Drought Relief (UMDR)	DWR	Water Resources	Urban Multi-Benefit Drought Relief (UMDR)	SWSA	Strategic Water Supply Assessment	Working on no-cost extension to wrap up final reports/invoices and closeout items	\$2,000,000
Water Conservation: turf rebates	USBR	Conservation	Water and Energy Efficiency Grant (WEEG)	Conservation		Term goes through September 2026 but we've spent nearly all of these funds.	\$722,925
Prop 1. Fisheries Restoration Grants Concept Proposals	CDFW	Fisheries	Lagunitas Creek Coho Enhancement Project Phase	Lagunitas Creek Restoration	Lagunitas Creek Restoration Sites 1-6	Awarded; in progress and on track - just submitted 2025 Q1 report	\$4,659,898
CA Division of Boating & Waterways	NRA	Water Quality		Reservoir Water Quality	Monitor and prevent infestation of quagga and zebra mussels		\$86,800
Azalea Hill Trail Restoration	California State Parks	Trail Restoration	Recreational Trails Program (RTP)	Watershed	Azalea Hill Restoration	Awarded; in progress and on-track. Working on last invoice and closeout	\$952,657
One Tam Regional Forest Health Project	CA WCB	Forestry Restoration		BFFIP Implementation		Awarded; in progress and on-track. MMWD funds have all been spent down.	\$4,260,000
WaterSMART Applied Science	USBR	Water Resources		Advanced Weather Modeling	Funding for weather modeling to inform water resources management	Awarded; in progress.	\$150,628.00
One Tam Regional Forest Health Project Phase II	CAL FIRE	Forestry Restoration	California Climate Investments Department of Forestry and Fire Protection Forest Health Program 2023-	BFFIP Implementation	BFFIP Implementation for 2-3 years	Awarded; in progress and on-track.	\$6,966,078
TOTAL FUNDED:							\$29,311,707

PENDING GRANTS							
PROJECT	FUNDER	FUNDER PRIORITIES	OPPORTUNITY	DATE SUBMITTED	AMOUNT REQUESTED	DESCRIPTION	STATUS
Lagunitas Creek Coho Enhancement Phase 2	Wildlife Conservation Board	Restoration	Full Application	8/27/2025	\$1,103,000	Short pre-application submitted to WCB for review 5/27/25. The District was invited to submit a full proposal on 7/10.	Pending and potentially dependent on Prop 4 appropriations; we are hoping to be considered at the November
One Tam Block Grant	California Natural Resources Agency	Forestry Restoration	Block/Regional Grant	7/2/2025	\$10,371,070	One Tam block grant request to CNRA to increase the pace and scale of forestry work between FY26 and FY32. Total request across One Tam agencies is \$28,378,435. MMWD's request of \$10,371,070 would enable us to complete an estimated 2,700 additional treatment acres during the project	Pending; hosting funding agencies on 9/9/25 and 9/10/25; coordinating with Assemblymember Connolly and Senator McGuire
UPCOMING GRANTS							
PROJECT	FUNDER	FUNDER PRIORITIES	OPPORTUNITY	DESCRIPTION		STATUS	
Prop. 4 Bond Funding	Various		TBD			Monitoring	
SCADA Cybersecurity	EPA	Natural Hazard and Cybersecurity Resiliency	Midsize and Large Drinking Water System Infrastructure Resiliency and Sustainability Program	Highly competitive federal opportunity; EPA expects to award two \$2,250,000 awards for resiliency projects related to drought, flood, wildfire, tornado, cybersecurity, and more.		Discussions with IT and SCADA team. SCADA team is now discussing further with Engineering.	

**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 2025/26		FY 2024/25	
	(million gallons)	(acre-feet)	(million gallons)	(acre-feet)
<b>Potable</b>				
Total production this FY	1,535	4,712	1,582	4,854
Monthly production, August	786	2,413	781	2,397
Daily average, August	25.36	77.83	25.19	77.32
<b>Recycled</b>				
Total production this FY	71.26	218.69	74.86	229.73
Monthly production, August	36.21	111.12	36.63	112.42
Daily average, August	1.17	3.58	1.18	3.63
<b>Raw Water</b>				
Total production this FY	21.64	66.42	23.36	71.69
Monthly production, August	10.06	30.89	12.55	38.51
Daily average, August	0.32	1.00	0.40	1.24
<b>Imported Water</b>				
Total imported this FY	631	1,936	549	1,686
Monthly imported, August	317	974	277	851
<b>Reservoir Storage</b>				
Total storage, August	21,840	67,026	22,176	68,057
Storage change during August	-971	-2,980	-975	-2,992
<b>Stream Releases</b>				
Total releases this FY	450	1,382	455	1,397
Monthly releases, August	226	695	234	719

<b>2. <u>Precipitation:</u></b>	<b><u>FY 2025/26 (in.)</u></b>	<b><u>FY 2024/25 (in.)</u></b>
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 = 0.14 inches		

### **3. Water Quality:**

<b><u>Laboratory</u></b>	<b><u>FY 2025/26</u></b>	<b><u>FY 2024/25</u></b>
Water Quality Complaints:		
Month of Record	16	21
Fiscal Year to Date	27	40
Water Quality Informational Inquiries:		
Month of Record	7	11
Fiscal Year to Date	18	26

The WQ Lab ensured that the water supplied met or surpassed water quality regulations by collecting and analyzing 1,388 analyses on treatment plants and distribution system samples. Mild steel corrosion rates averaged 1.28 (0.36 – 2.37) MPY. The AWWA has recommended an operating level of <5 MPY with a goal of <1 MPY.

Complaint Flushing: No flushing events for the month on record.

Disinfection Program: 55' of new pipeline was disinfected during the month of August. Performed chlorination on 37 water storage tanks to ensure compliance with bacteriological water quality regulations.

Tank Water Quality Monitoring Program: Performed 72 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 analyzed 1,388 treatment plant and distribution water samples, and the water quality department treated 37 tanks for low chlorine and checked an additional 72 tanks for low chlorine residual in August 2025.

**4. Water Treatment:**

<u>Treatment Results</u>	<u>San Geronimo</u>		<u>Bon Tempe</u>		<u>Ignacio</u>	
	Average	Monthly	Average	Monthly	Average	Monthly
	Goal		Goal		Goal	
Turbidity (NTU)	0.05	≤ 0.10	0.06	≤ 0.10	0.05	≤ 0.10
Chlorine residual (mg/L)	2.71	2.75 *	2.74	2.75 *	2.81	2.75 *
Color (units)	0.5	≤ 15	0.7	≤ 15	0.2	≤ 15
pH (units)	7.9	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. Pine Mountain Tank Phase 2 – New Water Tanks Project (D21043): The Pine Mountain Tunnel Tanks Replacement Project is a multi-year two-phased project that will replace the existing Pine Mountain Tunnel. The current project (Phase 2) will construct two 90-foot inside

diameter pre-stressed concrete potable water storage tanks, will install yard piping and control systems, and will then complete final site grading.

- Project Budget: \$19,142,500
- Monthly Activities: The District's team is continuing to review submittals. The contractor is currently performing underground storm drain installations and preparing the tank pad for the installation of the concrete tank foundations.

- b. San Geronimo Treatment Plant Roof Replacement Project (D21034) : The San Geronimo Treatment Plant Roof Replacement Project is a component of the District's Capital Improvement Program. This project will remove and replace the existing leaky roof membrane with a new Class A Fire Rated Thermoplastic Polyolefin (TPO) and add fall protection to the San Geronimo Treatment Plant and North Marin Line Pump Station.

- Project Budget: \$1,495,747.00
- Monthly Activities: The Contractor is preparing submittals in advance of mobilizing to the treatment plant. Project completion is estimated October 2025.

- c. Glenwood Transmission Pipeline Replacement/Fire Flow Improvement Project: The Glenwood Transmission Pipeline Replacement Project is a component of the District's Fire Flow Improvement Program. This Project will install approximately 6,470 feet of new 18", 16", 12", 8", 6", and 4" welded steel pipe to replace the old, leak-prone, fire flow deficient piping installed as early as 1928.

- Project Budget: \$4,962,000

Monthly Activities: The Contractor began installing pipe in June and has been installing an average of 185 linear feet of pipe per day. Work continues primarily along Knight Drive. Project completion is estimated in January 2026.

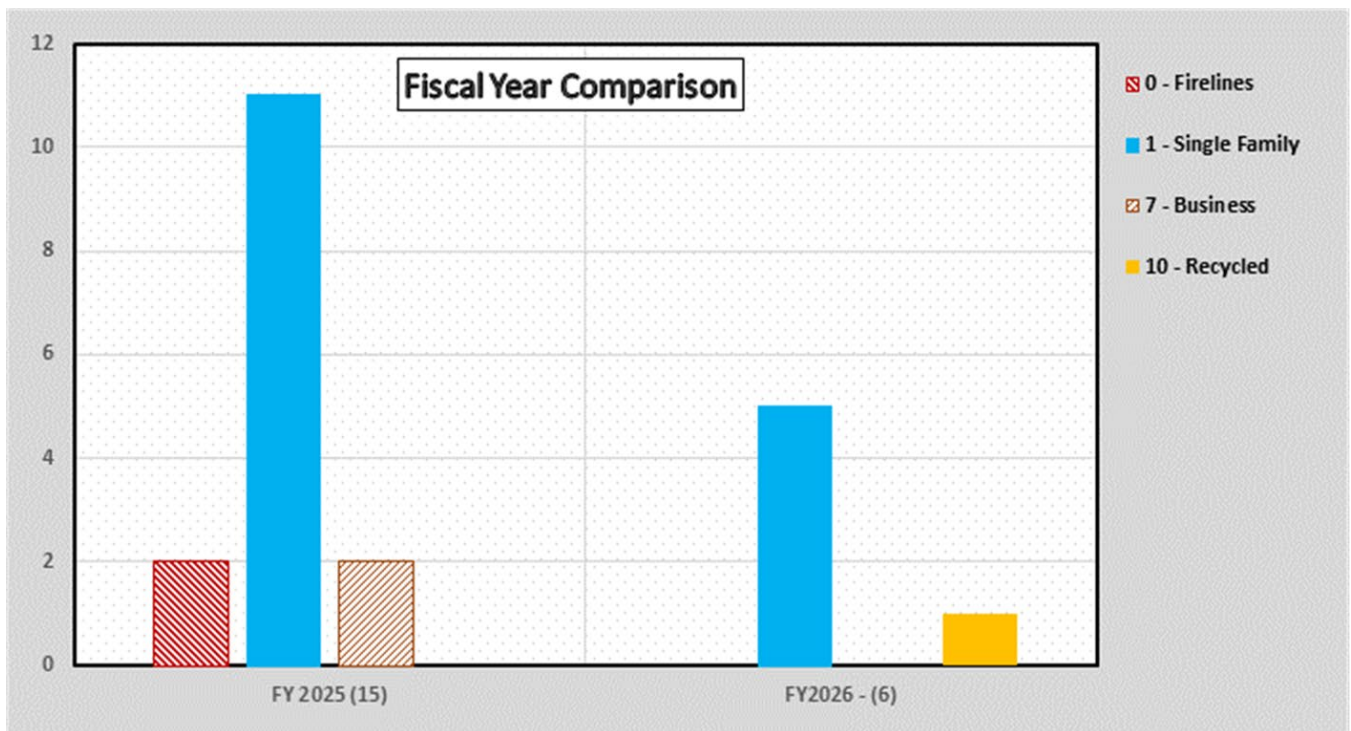
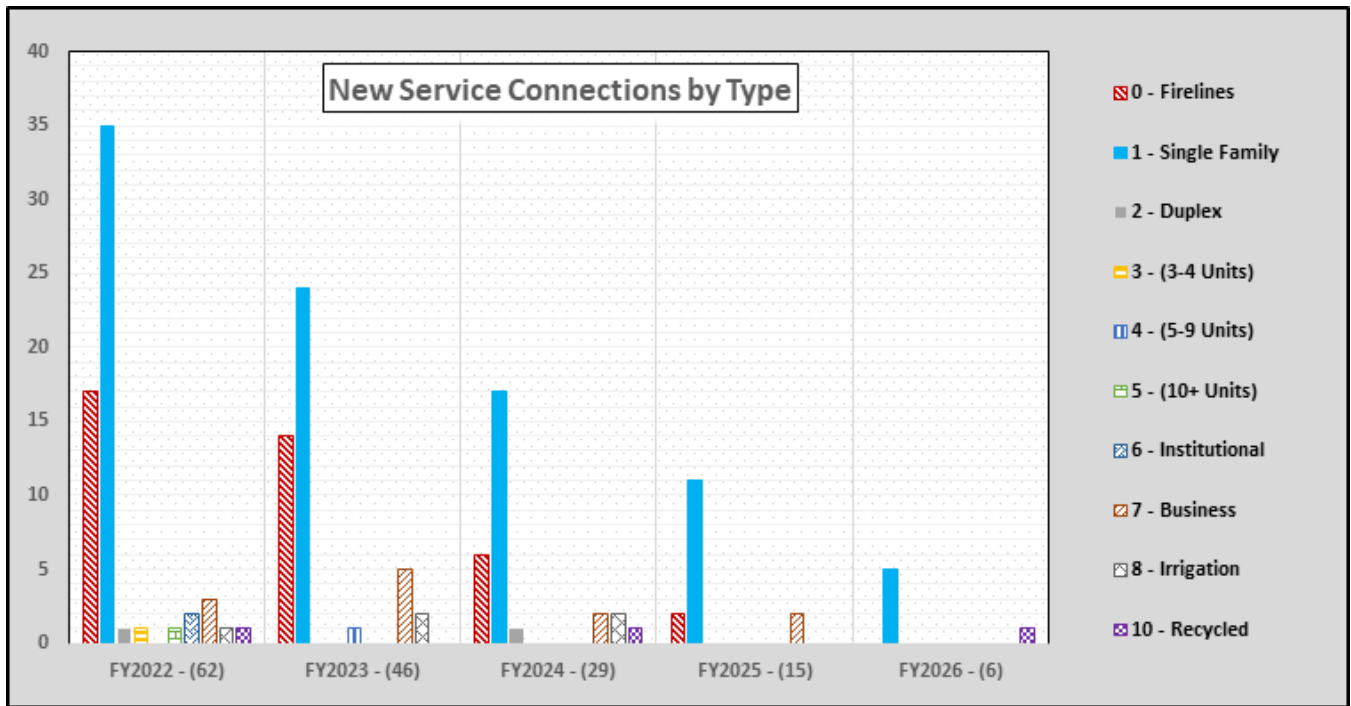
- d. Bridgeway Pipeline Replacement Project (D24027): The Bridgeway Pipeline Replacement Project is a component of the District's Capital Improvement Program. The Project will install approximately 870 feet of 12, 8 and 6-inch welded steel pipe to replace old, leak-prone cast iron, and asbestos cement pipe installed as early as 1943.

- Project Budget: \$677,000
- Monthly Activities: The Contractor is preparing to mobilize and begin field work. Project completion is estimated in September 2025.

**6. Other:**

<b>Pipeline Installation</b>	<b>FY 2025/26</b>	<b>FY 2024/25</b>
Pipe installed during August (feet)	3,177	1,933
Total pipe installed this fiscal year (feet)	4,491	6,346
Total miles of pipeline within the District	908*	908*
<i>* Reflects adjustment for abandoned pipelines</i>		
<b>Pipe Locates (1,082 Responses)</b>	<b>FY 2025/26</b>	<b>FY 2024/25</b>
Month of August (feet)	29,990	42,771
Total this fiscal year (feet)	80,330	83,060
<b>Main Line Leaks Repaired</b>	<b>FY 2025/26</b>	<b>FY 2024/25</b>
Month of August	11	12
Total this fiscal year (7/1/25-5/31/26)	29	25
<b>Services</b>	<b>FY 2025/26</b>	<b>FY 2024/25</b>
Service upgrades during August	13	17
Total service upgrades this FY	43	35
Service connections installed during August	0	2
Total active services as of September 1st, 2025	60,612	60,584
(Total Including firelines)	61,998	61,969





## **7. Recruitments and Hires:**

### **The District recruited for the following positions:**

1. Assistant or Associate Engineer
2. Associate Engineer (2 Positions)
3. Business Systems Analyst I/II
4. Senior Customer Service Field Inspector
5. Superintendent of Operations - Mechanical, Electrical, and Corrosion
6. Superintendent of Operations – Water Distribution and Controls
7. Water System Technician (2 positions – Internal Recruitment)
8. Welder/Fabricator

### **The District hired new employees for the following positions:**

1. Watershed Aide – Fisheries (2 positions)

### **Employees promoted through competitive process:**

1. Water Quality Manager

## 8. Demand Management:

	Aug-25	FY 25/26 TOTAL	FY 24/25 TOTAL	FY 23/24 TOTAL
<b>WATER-EFFICIENCY PROGRAMS</b>				
<b>Water-Use Site Surveys</b>				
Conservation Assistance Program (CAP) Consultations				
Residential properties resi 1-2 (single-family)	66	153	692	404
Residential properties resi 3-5 (multi-family units)	1	1	10	6
Non-residential properties resi 6-7 (commercial)	0	0	1	0
Dedicated irrigation accounts resi 8-10 (large landscape)	0	1	7	0
Marin Master Gardeners' Marin-Friendly Garden Walks				
Residential garden walks	15	36	147	173
<b>Public Outreach, Education, Customer Service</b>				
Public outreach events (number of people attending)	0	0	3870	7022
Public education events (number of participants)	0	0	265	425
Department customer calls/emails	665	1170	6124	4485
Outreach to new Marin Water customers (letters sent)	124	202	1483	1908
<b>School Education</b>				
School assemblies				
Number of activities	0	0	19	19
Number of students reached	0	0	7212	21850
Field trips				
Number of activities	0	0	22	16
Number of students reached	0	0	471	343
Classroom presentations				
Number of activities	0	0	13	14
Number of students reached	0	0	390	457
Other (e.g. Earth Day booth events, school gardens)				
Number of activities	0	0	2	3
Number of students reached	0	0	225	400
<b>Incentives</b>				
Rain Barrel/Cisterns approved	1	1	14	9
Rain Barrel/Cisterns gallons	530	530	13650	0
Rain Barrel Give-a-way (Gallons)	0	1100	33550	4840
"Cash for Grass" Lawn Replacements total properties approved	7	10	81	61
"Cash for Grass" (Best Practices) square ft. lawn replaced	0	1130	17699	0
"Cash for Grass" (Standard) square ft. lawn replaced	8010	18207	51049	0
"Cash for Grass" (MCSTOPP) square ft. lawn replaced	0	480	3555	0
Number of Laundry-to-Landscape Systems (kits) approved	0	0	0	1
Hot water recirculating system rebates	1	1	6	11
Pool Cover rebates	0	1	25	35
Number of Smart Home Water Monitor "Flume Direct Distribution" redeemed	47	87	456	544
Number of Smart Controllers MW rebates approved	6	7	37	49
Number of Smart Controllers "Rachio Direct Distribution" approved	15	39	184	219
Custom Rebate - Commercial and Multi-Family	0	0	1	0
<b>Advanced Metering Infrastructure (AMI)</b>				
AMI leak letters sent to customers (>200 GPD)	109	225	1319	1330
<b>ORDINANCES</b>				
<b>Water Waste Prevention</b>				
Water Waste Reports Received	15	36	177	224
Water Waste Notifications Sent	5	8	34	49
<b>Landscape Plan Review</b>				
Plans submitted	6	18	90	117
Plans exempt	0	3	15	23
Plans completed	4	6	23	30
Plans in workflow (pass & fail)	15	44	139	172
<b>Tier 4 Exemption</b>				
Inspections that resulted in a pass	0	0	1	2

## 9. Watershed Protection:

### **Rangers assist with Prescribed Burn near Bon Tempe Lake**

On August 14th, the Marin County Fire Department (MCFD), with support from the Park Rangers and Watershed Maintenance Staff, conducted a 20-acre prescribed burn at Knob II, near Bon Tempe Lake. After the burn was completed, maintenance and Ranger staff continued to patrol and mop up the burn unit. On Saturday, the 16th, the Rangers supported MCFD's Tamalpais Fire Crew by supplying water to a 1500 ft. uphill hose line the crew was using to finish mopping up. The Ranger truck, Squad 961, is a Type 6 wildland fire engine and one of only two pieces of District fire apparatus that could support such a long hose line and is therefore a vital piece of fire equipment for Marin Water.



Ranger Patrol Truck Squad 961, a Type 6 engine, supplying a 1500 ft. hose line during mop up

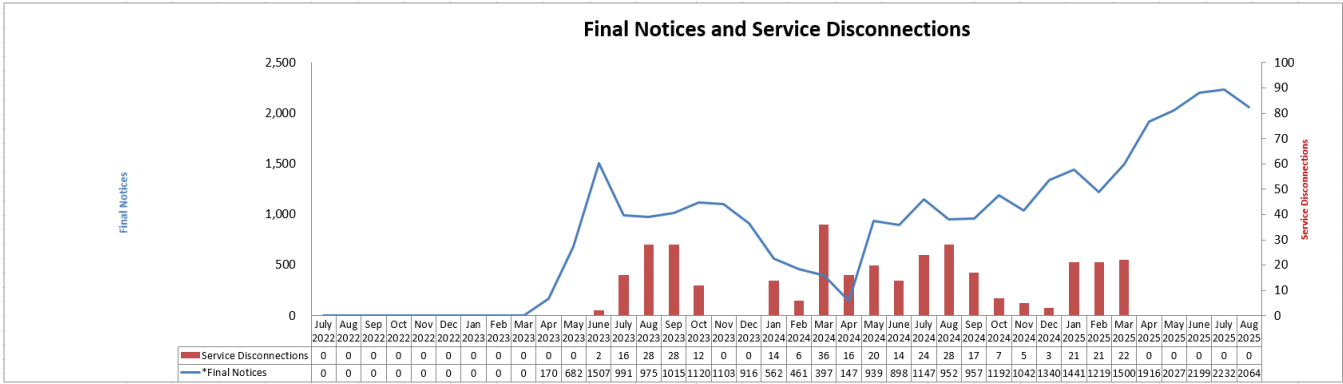
### **Busy Month for Medical Emergencies**

August proved to be the busiest month for medical aid calls on the Watershed since 2020 with a total of 16 calls. The majority of call were for heat-related emergencies. Other calls include bicycle or e-bike accidents, ankle injuries and a motorcycle vs. deer collision resulting in serious injuries to the rider. The busiest period for medical calls occurred during the first two days of the Labor Day weekend with a total of five calls. To assist with the holiday weekend the Rangers requested Marin County Search and Rescue to perform Preventive Search and Rescue on the Watershed. This assistance from Marin SAR proved vital during the holiday weekend.

RANGER ACTIVITIES	
Law Enforcement	#
<u>MMWD Ordinance Violations</u>	
Citations:	47
▪ Bike on Trail	1
▪ Parking	46
<u>Penal Code Violations</u>	
• Vandalism	14
<u>Vehicle Code Violations</u>	
• Misc. Vehicle Code	4
<u>Fish and Wildlife</u>	
• License Checks	32
<u>Warnings</u>	
• All	143
<u>Other</u>	
• Illegal Trail Work	6
Medical/Fire	#
Responses:	
Medical Calls on Watershed	16
Mop-up on Burn	5
Assist with Prescribed Burn	1
Search and Rescue	#
Calls	
• Lost Hiker	2
General	#
Visitor Assists	95
Dam Checks	85
Assist MMWD groups	54
Assist Other Agencies	2
Watershed Observation Reports	#
▪ Received	1
<u>Additional Patrols</u>	
▪ Foot	37 miles
▪ Bike	109 miles
▪ ATV/UTV	105 miles
▪ LIDAR	9
▪ Boat	2

10. Shutoff Notices and Disconnections:

*Final Notices
Service Disconnections
* Includes 10 day 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