



# STAFF REPORT

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**Meeting Type:** Board of Directors  
**Title:** General Manager's Report July 2025  
**From:** Ben Horenstein, General Manager  
**Meeting Date:** August 19, 2025

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**TYPE OF ITEM:** X      Action                      Information

**RECOMMENDATION:** Approve Report

## SUMMARY:

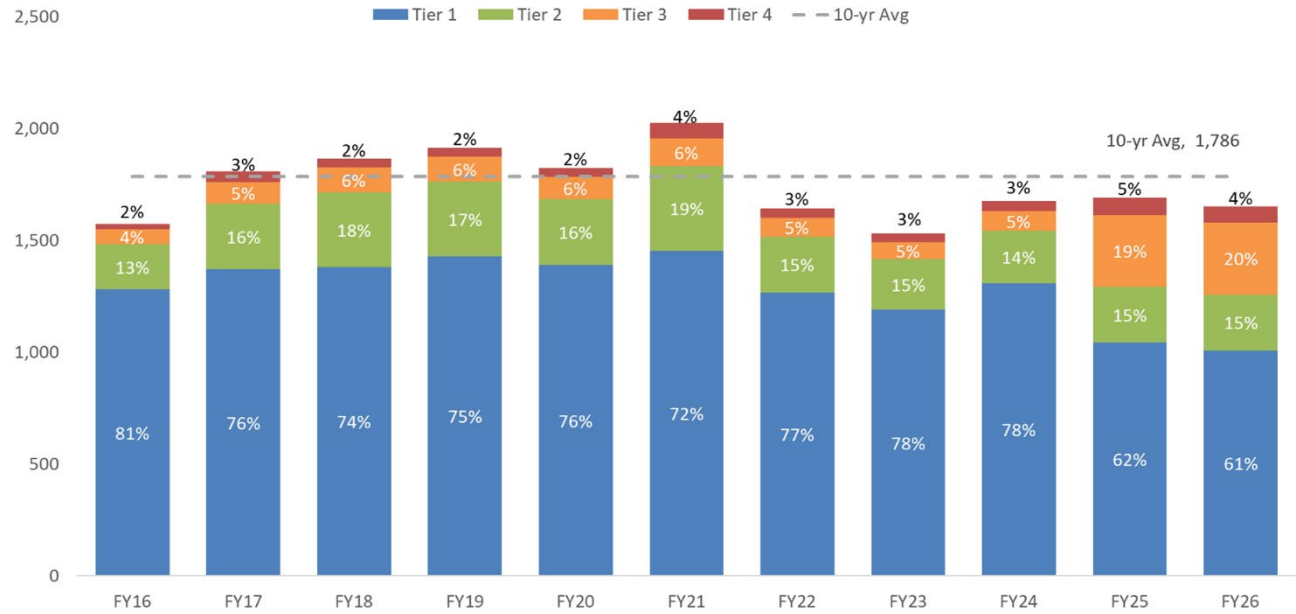
### A. HIGHLIGHTS:

- The daily average net production for the month of July 2025 was 24.1 MGD compared to 26.8 MGD for the month of July 2024. Typical usage for July is 32.2 MGD.
- Staff received 60% plans for the Tocaloma Pump Station Rehabilitation Project, which will improve system reliability and operation efficiency by replacing aging mechanical and electrical equipment with new energy efficient equipment and fire hardening the pump station. The project is on track to advertise for construction this year.
- Staff issued a statement of qualification for two on-call professional services agreements from two engineering consulting firms to provide engineering services for complex treatment plant, pump station and storage tank projects. Establishing two on-call contracts provides staff flexibility and streamlines the engineering workflow process, ensuring the District capital program stays on track.
- Staff participated in a safety training with a PG&E Damage Investigator. The training covered safe excavation techniques around underground utilities, Underground Service Alert instruction and provided a unique understanding of PG&E gas main locations throughout Marin County.
- Fourteen distribution tanks were cleaned and inspected by contract specialty divers. The floor of the tanks were vacuumed and the contractor was able to thoroughly inspect the interior tank while in service. There are no significant issues to report.
- Hawthorne Hills Tank is a two million gallon transmission tank which can be supplied by either the Fairfax Transmission Line or the North Marin Line. The Hawthorne Hills Bypass valve can be operated remotely to bypass the tank and connect the two transmission lines. This month, staff were unable to operate the valve remotely which triggered an immediate inspection. The gear box for the actuator was removed and taken to the shop where water intrusion was observed in the gear box which rusted out the upper bearing on the worm gear. Because the

manufacturer no longer offers rebuild kits for the product, staff ordered and installed new bearings, and cleaned and rebuilt the gear box to get the actuator back into operation.

- Rectifiers help protect District facilities by impressing PG&E power onto a water main and surrounding District facilities. The process provides electrons to the piping that would have been lost into the ground if left unprotected and extends the life of the pipeline. This last month, repairs were made to the Whiskey Springs rectifier in Sausalito. After a functional test it was found that the rectifier was no longer operating. The below ground, oil filled rectifier was disassembled and pulled from the box. The oil was drained and rectifier removed. The rectifier was bench tested and found that the shunt was bad. A used shunt was pulled from an old parts rectifier in the Corrosion back stock and installed in the Whiskey Springs rectifier. The rectifier was re-installed in Sausalito and is back in service.
- The District started BFFIP Year 7 in July 2025 with a 40 acre prescribed burn just north of Bon Tempe Reservoir. The burn was conducted in Oak Woodland habitat and objectives focused on fuels reduction, habitat preservation, smoke management, and safety were met.
- The Fisheries staff conducted snorkel surveys in the Phase 1A Lagunitas Creek Enhancement Project reach, completed last summer, and observed a ten-fold increase in the number of juvenile coho and steelhead compared with pre-project counts.
- The District submitted a pre-grant application and was invited to submit a full grant application to the Wildlife Conservation Board to partially fund Phase 2 of the Lagunitas Creek Enhancement project – a request for approximately \$2M is being prepared.

## TIER CONSUMPTION AS OF JULY 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. In the process of getting the community agreement in place for Canal District.	\$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 CreekThe 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	All funds spent down; working on 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 1	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.	\$952,657
One Tam Regional Forest Health Project	CA WCB	Forestry Restoration		BFFIP Implementation		Awarded; in progress and on-track.	\$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 2023-2024	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	Pre-Application	5/27/2025	\$6,212,000	Short pre-application submitted to WCB for review 5/27/25. The District was invited to submit a full proposal on 7/10.	Pending; we are targeting an 8/28 full proposal submission to be considered at the November WCB board meeting.
One Tam Block Grant	California Natural Resources Agency	Forestry Restoration	Block 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 period.	Pending

UPCOMING GRANTS							
PROJECT	FUNDER	FUNDER PRIORITIES	OPPORTUNITY	DESCRIPTION		STATUS	
Prop. 4 Bond Funding	Various		TBD			Monitoring	

**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	749	2,299	801	2,458
Monthly production, July	749	2,299	801	2,458
Daily average, July	24.16	74.16	25.83	79.28
<b>Recycled</b>				
Total production this FY	35.05	107.56	38.23	117.31
Monthly production, July	35.05	107.56	38.23	117.31
Daily average, July	1.13	3.47	1.23	3.78
<b>Raw Water</b>				
Total production this FY	11.58	35.54	10.81	33.17
Monthly production, July	11.58	35.54	10.81	33.17
Daily average, July	0.37	1.15	0.35	1.07
<b>Imported Water</b>				
Total imported this FY	313	962	272	835
Monthly imported, July	313	962	272	835
<b>Reservoir Storage</b>				
Total storage, July	22,812	70,006	23,151	71,049
Storage change during July	-1,415	-4,342	-1,075	-3,299
<b>Stream Releases</b>				
Total releases this FY	224	688	221	678
Monthly releases, July	224	688	221	678

2. <u>Precipitation:</u>	<u>FY 2025/26 (in.)</u>	<u>FY 2024/25 (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 = 0.00 inches		

### 3. Water Quality:

<u>Laboratory</u>	<u>FY 2025/26</u>	<u>FY 2024/25</u>
Water Quality Complaints:		
Month of Record	11	19
Fiscal Year to Date	11	19
Water Quality Informational Inquiries:		
Month of Record	11	15
Fiscal Year to Date	11	15

The WQ Lab ensured that the water supplied met or surpassed water quality regulations by collecting and analyzing 1,510 analyses on treatment plants and distribution system samples.

Mild steel corrosion rates averaged 2.35 (0.39 – 5.40) 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: 3,783' of new pipeline was disinfected during the month of July. Performed chlorination on 26 water storage tanks to ensure compliance with bacteriological water quality regulations.

Tank Water Quality Monitoring Program: Performed 84 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 1,510 treatment plant and distribution water samples, and the water quality department treated 26 tanks for low chlorine and checked an additional 84 tanks for low chlorine residual in July 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	0.05	≤ 0.10	0.04	≤ 0.10
Chlorine residual (mg/L)	2.73	2.75 *	2.77	2.75 *	2.87	2.75 *
Color (units)	0.3	≤ 15	0.4	≤ 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:**

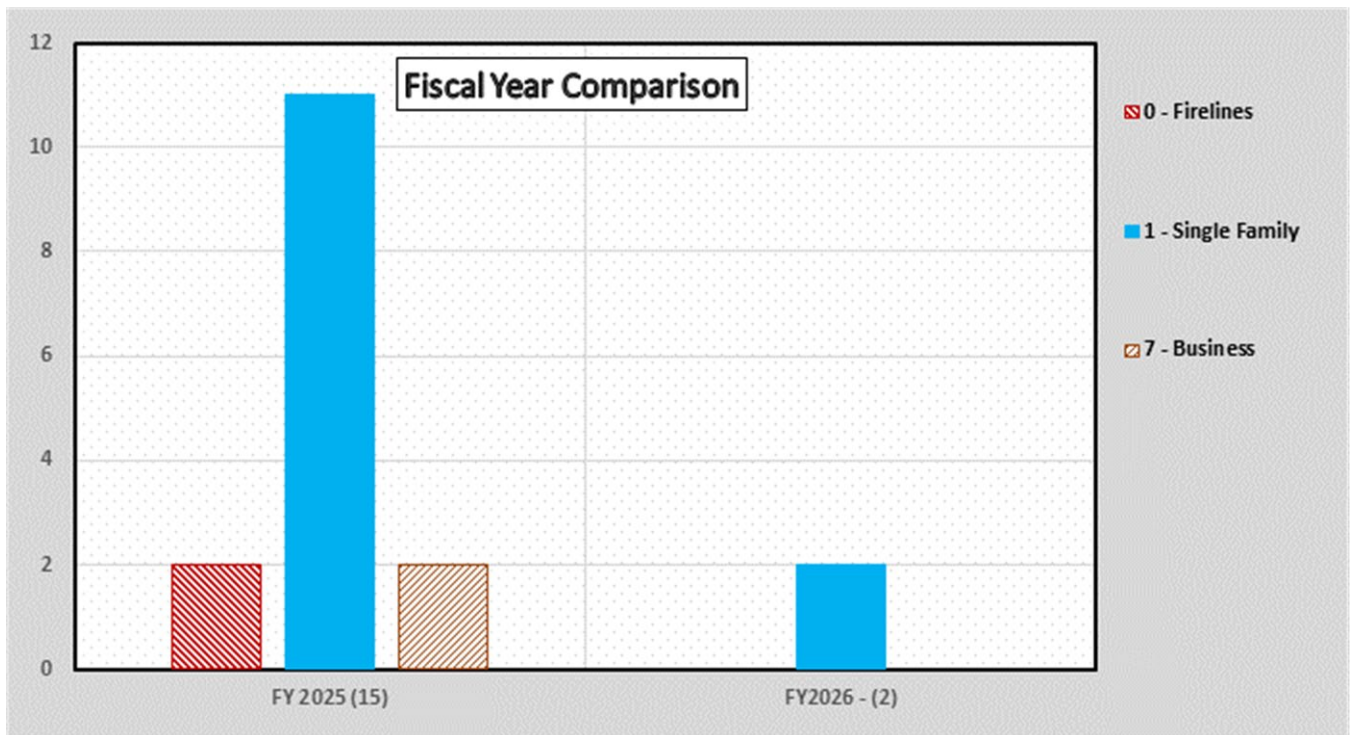
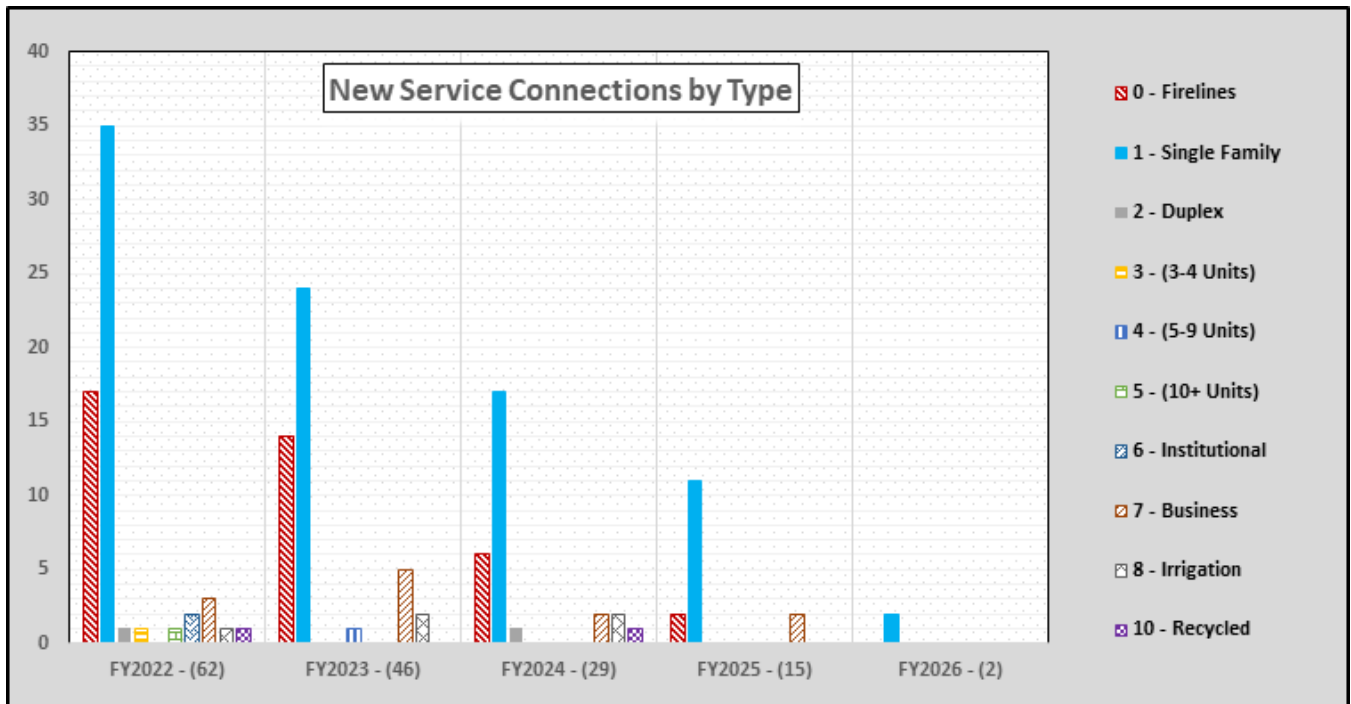
- a. Pine Mountain Tank Phase 2 – New Water Tanks Project (D21043): The Pine Mountain Tunnel Tanks Replacement Project is a multi-year two-phased project that will replace the existing Pine Mountain Tunnel. The current project (Phase 2) will construct two 90-foot inside diameter pre-stressed concrete 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. Wolfback Ridge Tanks Rehabilitation Project (D20009): This project will replace the roof and recoat both the interior and exterior of each tank at Wolfback Ridge in Sausalito.
- Project Budget: \$950,000
  - Monthly Activities: The Contractor has completed the tank rehabilitation and the both storage tanks have been placed back into service.
- c. 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 estimated in October 12, 2025.
- d. Park Road Pipeline Replacement Project (D25019): The Park Road Pipeline Replacement Project is a component of the District's Capital Improvement Program. This project will install approximately 1,670 feet of 8-inch, 6-inch, and 4-inch welded steel pipe to replace old, leak-prone cast iron and asbestos cement pipe installed as early as 1954. This Project will be constructed in coordination with the Town of Fairfax's upcoming storm drain installation and road restoration project to minimize inconvenience to the public.
- Project Budget: \$1,152,000
  - Monthly Activities: The Contractor has completed installation of the new water mains and services and is closing out the project. The project will be complete in August.
- e. 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 on June 12 and has been averaging installation of 185 linear feet per day. Work continues primarily along Lochinvar. Project completion is estimated in January 2026.
- f. 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 Board awarded the project on June 17, and contracts have been executed. District construction submittal review is currently underway and the Contractor is anticipated to mobilize in August. 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 July (feet)	1,314	4,413
Total pipe installed this fiscal year (feet)	1,314	4,413
Total miles of pipeline within the District	909*	908*
<i>* Reflects adjustment for abandoned pipelines</i>		
<b>Pipe Locates (1,165 Responses)</b>	<b>FY 2025/26</b>	<b>FY 2024/25</b>
Month of July (feet)	50,340	40,289
Total this fiscal year (feet)	50,340	40,289
<b>Main Line Leaks Repaired</b>	<b>FY 2025/26</b>	<b>FY 2024/25</b>
Month of July	18	13
Total this fiscal year (7/1/25-5/31/26)	18	13
<b>Services</b>	<b>FY 2025/26</b>	<b>FY 2024/25</b>
Service upgrades during July	30	18
Total service upgrades this FY	30	18
Service connections installed during July	1	0
Total active services as of August 1st, 2025	60,536	60,579
(Total Including firelines)	61,921	61,965



## **7. Recruitments and Hires**

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

1. Mechanical & Electrical Maintenance Worker III/IV
2. Associate Engineer (2 Positions)
3. Welder/Fabricator
4. Superintendent of Operations - Water Distribution and Controls
5. Superintendent of Operations - Mechanical, Electrical, and Corrosion (posted 8/4/2025)
6. Water System Technician (2 Positions – Internal Recruitment)
7. Natural Resources Technician I/II (Limited Term) - Vegetation Management
8. Watershed Aide – Maintenance (2 positions)
9. Watershed Aide – Fisheries (2 positions)

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

1. Field Pipeline Locator Intern
2. Watershed Aide – Maintenance
3. Summer Intern – Finance

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

1. Business Systems Analyst III
2. Utility Crew Leader

## 8. Demand Management:

	Jul-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)	87	87	681	404
Residential properties resi 3-5 (multi-family units)	0	0	9	6
Non-residential properties resi 6-7 (commercial)	0	0	0	0
Dedicated irrigation accounts resi 8-10 (large landscape)	1	1	7	0
Marin Master Gardeners' Marin-Friendly Garden Walks				
Residential garden walks	21	21	151	173
<b>Public Outreach, Education, Customer Service</b>				
Public outreach events (number of people attending)	0	0	3503	7022
Public education events (number of participants)	0	0	635	425
Department customer calls/emails	505	505	6124	4485
Outreach to new Marin Water customers (letters sent)	78	78	1483	1908
<b>School Education</b>				
School assemblies				
Number of activities	0	0	18	19
Number of students reached	0	0	7212	21850
<b>Field trips</b>				
Number of activities	0	0	22	16
Number of students reached	0	0	471	343
Classroom presentations				
Number of activities	0	0	12	14
Number of students reached	0	0	344	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	0	0	14	9
Rain Barrel/Cisterns gallons	0	0	5560	0
Rain Barrel Give-a-way (Gallons)	1100	1100	33660	4840
"Cash for Grass" Lawn Replacements total properties approved	3	3	83	61
"Cash for Grass" (Best Practices) square ft. lawn replaced	1130	1130	6199	0
"Cash for Grass" (Standard) square ft. lawn replaced	10197	10197	71726	0
"Cash for Grass" (MCSTOPP) square ft. lawn replaced	480	480	4780	0
Number of Laundry-to-Landscape Systems (kits) approved	0	0	0	1
Hot water recirculating system rebates	0	0	5	11
Pool Cover rebates	1	1	25	35
Number of Smart Home Water Monitor "Flume Direct Distribution" redeemed	40	40	456	544
Number of Smart Controllers MW rebates approved	1	1	37	49
Number of Smart Controllers "Rachio Direct Distribution" approved	24	24	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)	116	116	1319	1330
<b>ORDINANCES</b>				
<b>Water Waste Prevention</b>				
Water Waste Reports Received	21	21	176	224
Water Waste Notifications Sent	3	3	34	49
<b>Landscape Plan Review</b>				
Plans submitted	12	12	88	117
Plans exempt	3	3	14	23
Plans completed	2	2	22	30
Plans in workflow (pass & fail)	29	29	133	172
<b>Tier 4 Exemption</b>				
Inspections that resulted in a pass	0	0	1	2

## 9. Watershed Protection:

### Dramatic Trail Rescue July 4<sup>th</sup>

On July 4th, a hiker broke their ankle near the Swede George Bridge on the Helen Markt Trail. This location is one of the most remote locations on the Watershed, requiring a hike of over an hour from the nearest road. Knowing this, the Rangers coordinated with the responding Firefighters and put the Ranger Patrol Boat on Alpine Lake to reduce the response time to 15 minutes. A rescue helicopter from the Sonoma County Sheriff's Office was also requested. Firefighters and Rangers hiked into the patient and splinted her ankle. It was decided to use the helicopter, which performed a longline rescue. The patient was then flown to Bon Tempe Dam, where the ambulance was staged. From there they were then taken by ambulance to the hospital.



The Patrol Boat transporting Firefighters and Rangers on July 4<sup>th</sup>

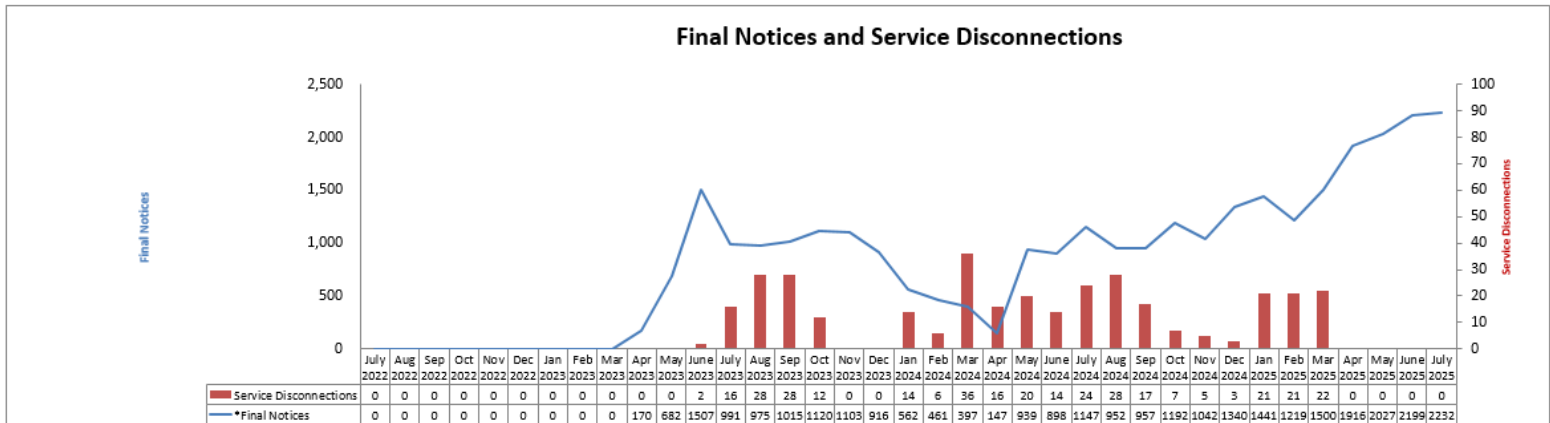
### Senior Ranger Phil Johnson Retires

Senior Park Ranger Phil Johnson retired in July. Phil served as a Ranger on the Watershed since 1992. Before that, he served as a Lifeguard and as a Ranger with the City of Santa Cruz. During his time with the District, he served as a Defensive Tactics Instructor, Field Training Officer, and as the Rangers' Training Manager. He also served as a member of the Marin County Urban Search and Rescue Team and the North Bay Incident Management Team (NBIMT). As part of the NBIMT Phil responded to the 2014 Napa Earthquake and numerous large fires, including the 2020 Woodward Fire. He was also known as avid birder, often leading Ranger Walks where he shared his knowledge with the visitors. Phil's vast Park Ranger and public safety experience along with his knowledge of the Watershed will be sorely missed.

RANGER ACTIVITIES	
Law Enforcement	#
<b><u>MMWD Ordinance Violations</u></b>	
• Cites	82
▪ Swimming	1
▪ Parking	81
<b><u>Penal Code Violations</u></b>	
• Vandalism	22
• Theft	2
<b><u>Vehicle Code Violations</u></b>	
• Failure to Stop for Stop Signs	6
• Parking Violations	2
• Misc. Vehicle Code	1
<b><u>Fish and Wildlife</u></b>	
• License Checks	2
<b><u>Warnings</u></b>	
• All	154
<b><u>Other</u></b>	
• Irate/Uncooperative Visitors	3
<b>Medical/Fire</b>	<b>#</b>
Responses	
• Medical Calls on Watershed	8
• Assist with off Watershed Calls	3
• Assist with Prescribed Burn	1
<b>Search and Rescue</b>	<b>#</b>
Calls	
• Lost Hiker	1
• Preventive Search and Rescue	2
<b>General</b>	<b>#</b>
Visitor Assists	221
Dam Checks	66
Assist MMWD groups	56
Assist Other Agencies	1
<b>Watershed Observation Reports</b>	
▪ Received	5
<b>Additional Patrols</b>	
▪ Foot	53 miles
▪ Bike	66 miles
▪ ATV/UTV	62 miles
▪ LIDAR	8
▪ Boat	3


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> <div>Ben Horenstein General Manager</div>	<div></div> <div>Ben Horenstein General Manager</div>