



STAFF REPORT

Meeting Type: Board of Directors
Title: General Manager's Report September 2025
From: Ben Horenstein, General Manager
Meeting Date: October 21, 2025

TYPE OF ITEM: X Action Information

RECOMMENDATION: Approve Report

SUMMARY:

A. HIGHLIGHTS:

- The daily average net production for the month of September 2025 was 23.2 MGD compared to 24.7 MGD for the month of September 2024. Typical usage for September is 29.8 MGD.
- Staff met with and coordinated the Districts yearly dam inspections with the Division of Safety of Dams this month. Dam inspections with DSOD included visits to all seven District dams, exercising of intake and scour valves, and visual inspection of dam structures. These are yearly inspections with DSOD to ensure safe and proper dam operations, allowing the District to maintain properly working facilities and in turn provide reliable water to its customers.
- Staff advertised the second phase of the Marin City Pipeline Replacement Project, which will replace approximately 10,440 feet of old leak prone, seismically deficient cast iron pipe with new steel pipe, along with service laterals. This second phase will replace all the remaining cast iron and asbestos cement pipe in the community of Marin City, improving distribution system reliability and seismic resiliency in the community.
- Staff responded to 1,054 underground service alert tickets and marked out approximately 26,202 feet of pipe in the month of September, ensuring that District underground infrastructure was not damaged by contractors or homeowners during excavation work.
- Replaced two sodium hypochlorite pumps at Ignacio Treatment Plant which are used during disinfection. The new pumps are modernized with new parts, wiring and plumbing.
- Staff created an editable GIS Valve Exercise Map that works both online and offline to record valve data. This new map will allow users to see all of the valves in the system color coded by date exercised. The District will use the new map to determine routing for the Valve Exercising Program.
- Staff visited a PG&E job in Moraga to see a Kobus Hydraulic Pipe Pulling Tool used to install/replace lateral piping underground. This tool couples to a hydraulic excavator and uses a

cable and winch system braced against the sidewall of an excavation to pull new lateral piping through existing piping underground. This tool demonstration displayed an effective working technique to replace lateral piping.

- The District continued implementation of BFFIP Year 7 through September 2025 with a focus on forest mastication in a 100 acre unit near Rock Springs. Crews have been working in that 100 acre unit since early august and are anticipated to finish near the end of October.
- Maintenance staff assisted Marin County Fire Department using District heavy equipment prepping the 47 acre prescribed fire on Knob II Unit C near Bon Tempe Lake.
- Staff assisted Redwood Trail Alliance with the volunteer trail event on 9/6 at the Alex Forman Trail. Staff completed repairs of a rock staircase on the Upper Cataract Trail and prepped for the RTA volunteer event on Saturday 10/11 on the Miller Trail.
- Staff completed monthly dam and spillway inspections and finished vegetation maintenance/tree work on the Tavern Pump Trail
- On September 9th and 10th, staff attended a field tour with Department of Conservation (DOC) Regional Forest and Fire Capacity (RFFC) and State Coastal Conservancy program staff to discuss opportunities for block grant funding from the Prop. 4 Climate Bond across forestry/fire projects led by Marin Water, State Park, Marin County Fire and Marin County Parks.
- Two rounds of visitor intercept surveys were conducted by staff at 5 locations around the Watershed as part of the e-Bike Pilot Program.
- On September 27th, Staff hosted the annual Volunteer Appreciation party in conjunction with Marin County Parks & Open Space. Over 100 volunteers attended.
- A total of 2, 150 tons of new spawning gravel were placed at three sites in Lagunitas Creek as part of Phase 1B of the Lagunitas Creek Habitat Enhancement Project.
- Fisheries staff began work on a PIT tagging study of spawning gravel to monitor how the recently placed material in Lagunitas Creek moves this upcoming winter.

TIER CONSUMPTION AS OF SEPTEMBER 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 Marin.	\$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	Barells 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 1	Lagunitas Creek Restoration	Lagunitas Creek Restoration Sites 1-6	Awarded; in progress and on track	\$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 items.	\$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 Aplied 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	Full Application	8/27/2025	\$1,109,000	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 WCB board meeting.
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 period.	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	

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)
Potable				
Total production this FY	2,228	6,839	2,325	7,135
Monthly production, September	693	2,127	743	2,281
Daily average, September	23.10	70.91	24.78	76.03
Recycled				
Total production this FY	100.06	307.07	104.59	320.97
Monthly production, September	28.80	88.38	29.73	91.24
Daily average, September	0.96	2.95	0.99	3.04
Raw Water				
Total production this FY	31.85	97.76	33.07	101.49
Monthly production, September	10.21	31.33	9.71	29.8
Daily average, September	0.34	1.04	0.32	0.99
Imported Water				
Total imported this FY	935	2,869	805	2,469
Monthly imported, September	304	933	255	783
Reservoir Storage				
Total storage, September	21,055	64,615	21,263	65,254
Storage change during September	-786	-2,411	-913	-2,803
Stream Releases				
Total releases this FY	683	2,095	689	2,113
Monthly releases, September	232	713	233	716

2. <u>Precipitation:</u>	<u>FY 2025/26 (in.)</u>	<u>FY 2024/25 (in.)</u>
ALPINE	1.46	0.00
BON TEMPE	0.69	0.00
KENT	1.12	0.00
LAGUNITAS	0.73	0.00
NICASIO	0.54	0.00
PHOENIX	0.28	0.00
SOULAJULE	0.35	0.00
Average to date = 0.71 inches		

3. Water Quality:

<u>Laboratory</u>	<u>FY 2025/26</u>	<u>FY 2024/25</u>
Water Quality Complaints:		
Month of Record	12	18
Fiscal Year to Date	39	58
Water Quality Informational Inquiries:		
Month of Record	14	8
Fiscal Year to Date	32	34

The WQ Lab ensured that the water supplied met or surpassed water quality regulations by collecting and analyzing 1,790 analyses on treatment plants and distribution system samples.

Mild steel corrosion rates averaged 3.32 (0.19 – 7.54) 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: 3,995' of new pipeline was disinfected during the month of September. Performed chlorination on 39 water storage tanks to ensure compliance with bacteriological water quality regulations.

Tank Water Quality Monitoring Program: Performed 100 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 1,790 treatment plant and distribution water samples, and the water quality department treated 39 tanks for low chlorine and checked an additional 100 tanks for low chlorine residual in September 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)	0.06	≤ 0.10	0.04	≤ 0.10	0.04	≤ 0.10
Chlorine residual (mg/L)	2.67	2.75 *	2.73	2.75 *	2.79	2.75 *
Color (units)	0.4	≤ 15	0.4	≤ 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

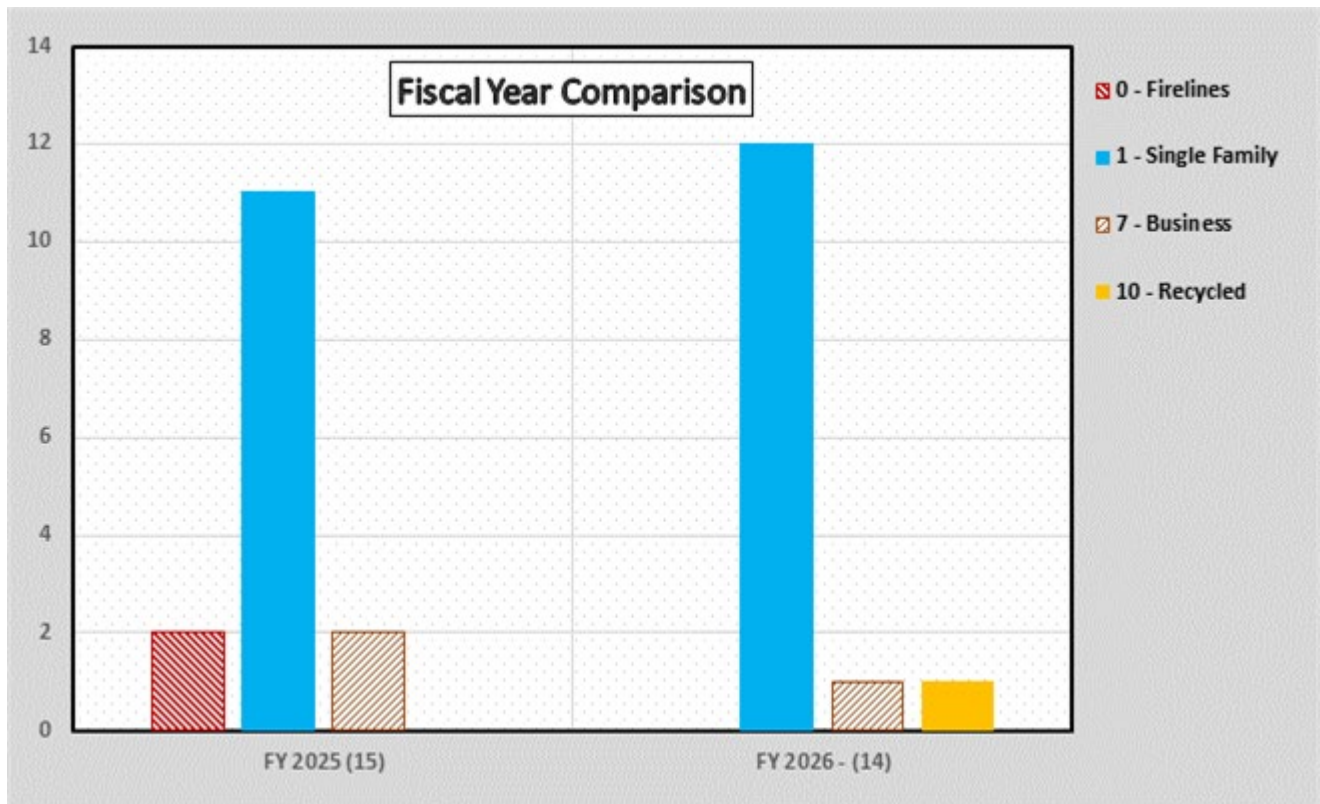
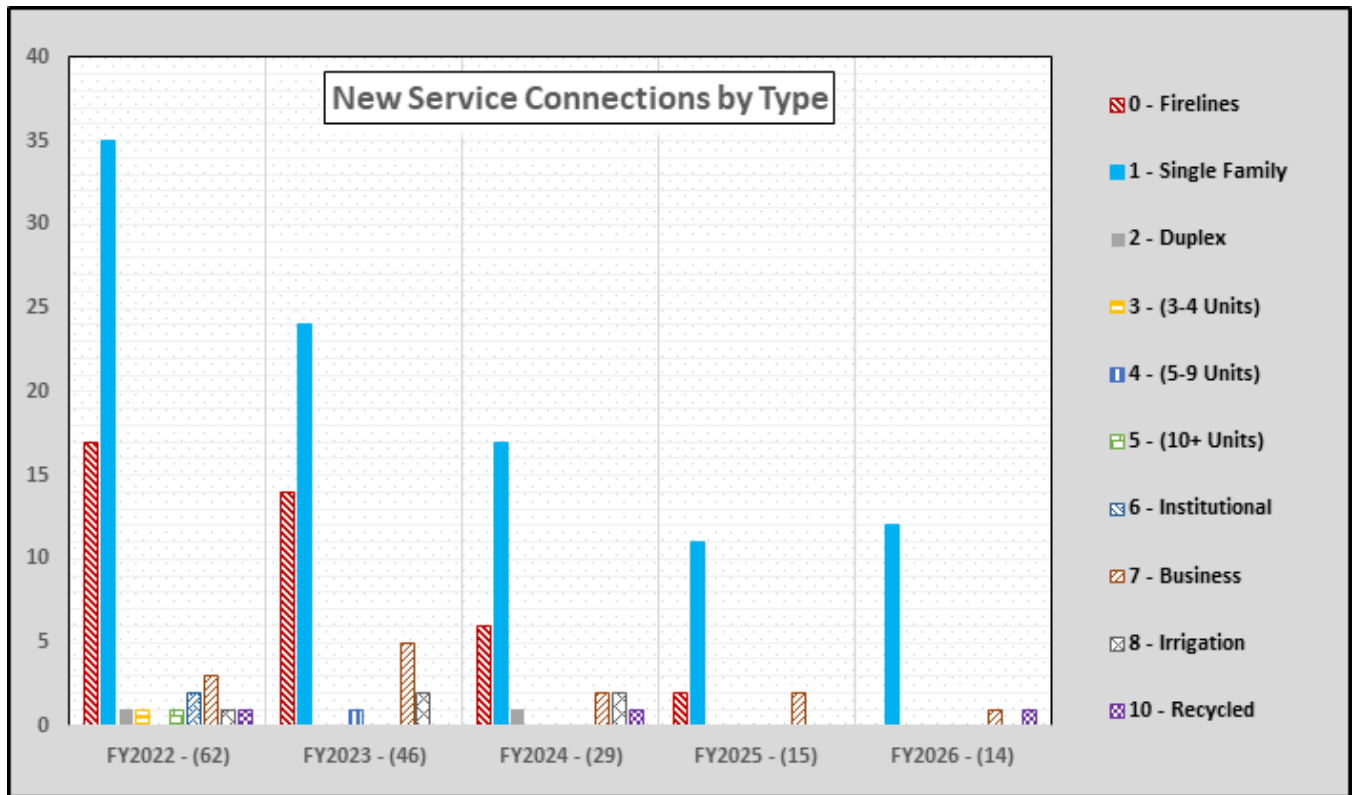
5. Capital Improvement:

- a. 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 contractor is currently performing underground storm drain installations and preparing the tank pad for the installation of the concrete tank foundations. The Contractor is also hauling remaining soil from the tank pad excavation to the Bullfrog Quarry site via Sky Oaks and Bon Tempe Roads. This first year of work is anticipated to continue through January 2026, depending on weather conditions.

- 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 has mobilized and begun installing the new roof. Project completion is estimated October 2025.
- c. Glenwood Transmission Pipeline Replacement/Fire Flow Improvement Project (F22002): 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 November 2025, ahead of schedule.
- 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 mobilized to the project site, installed all mainline piping, and has connected the new system. Remaining work for October includes water service and hydrant installations, and final paving. The project will be completed October 2025.
- e. Canal Pipeline Replacement Project (GC25005): The Canal Pipeline Replacement Project will install approximately 3,800 feet of new 12", 8", 6", and 4" welded steel pipe to replace asbestos-cement pipe and leak-prone plastic service laterals installed as early as 1951. The District was awarded a Bay Area Integrated Regional Water Management (IRWM) Proposition 1 Round 2 grant in the amount of \$6,408,000 to implement the Marin City/San Rafael Water Supply Resilience Project. The grant also includes funding for community partners to conduct project-related outreach to support implementation and community based water education activities.
- Project Budget: \$2,958,870
 - Monthly Activities: The project was awarded for construction at the August 19 Board of Directors meeting and the contract has been executed. A preconstruction meeting was held October 2. Field work is anticipated to begin late October. Project completion is estimated in February 2026.

6. Other:

Pipeline Installation	FY 2025/26	FY 2024/25
Pipe installed during September (feet)	1,376	4,527
Total pipe installed this fiscal year (feet)	5,867	10,873
Total miles of pipeline within the District	909*	908*
<i>* Reflects adjustment for abandoned pipelines</i>		
Pipe Locates (1,054 Responses)	FY 2025/26	FY 2024/25
Month of September (feet)	26,202	29,984
Total this fiscal year (feet)	106,532	113,044
Main Line Leaks Repaired	FY 2025/26	FY 2024/25
Month of September	13	6
Total this fiscal year (7/1/25-5/31/26)	42	31
Services	FY 2025/26	FY 2024/25
Service upgrades during September	13	19
Total service upgrades this FY	56	54
Service connections installed during September	1	1
Total active services as of October 1st, 2025	60,648	60,609
(Total Including firelines)	62,035	61,995



7. Recruitments and Hires:

The District recruited for the following positions:

1. Associate Engineer
2. Assistant or Associate Engineer
3. Business Systems Analyst I/II
4. Senior Customer Service Field Inspector
5. Superintendent of Operations - Mechanical, Electrical, and Corrosion
6. Water System Technician

The District hired new employees for the following positions:

1. Assistant Utility-Maintenance Worker (3 positions)
2. Mechanical & Electrical Maintenance Worker III

8. Demand Management:

	Sep-25	FY 25/26 TOTAL	FY 24/25 TOTAL	FY 23/24 TOTAL
WATER-EFFICIENCY PROGRAMS				
Water-Use Site Surveys				
Conservation Assistance Program (CAP) Consultations				
Residential properties resi 1-2 (single-family)	77	230	692	404
Residential properties resi 3-5 (multi-family units)	0	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	10	46	147	173
Public Outreach, Education, Customer Service				
Public outreach events (number of people attending)	2,500	2500	3870	7022
Public education events (number of participants)	30	30	265	425
Department customer calls/emails	641	1811	6124	4485
Outreach to new Marin Water customers (letters sent)	124	358	1483	1908
School Education				
School assemblies				
Number of activities	0	0	19	19
Number of students reached	0	0	7212	21850
Field trips				
Number of activities	2	2	22	16
Number of students reached	41	41	471	343
Classroom presentations				
Number of activities	4	4	13	14
Number of students reached	103	103	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
Incentives				
Rain Barrel/Cisterns approved	0	1	14	9
Rain Barrel/Cisterns gallons	0	530	13650	0
Rain Barrel Give-a-way (Gallons)	2500	3600	33550	4840
"Cash for Grass" Lawn Replacements total properties approved	11	21	81	61
"Cash for Grass" (Best Practices) square ft. lawn replaced	0	1130	17699	0
"Cash for Grass" (Standard) square ft. lawn replaced	10115	28322	51049	0
"Cash for Grass" (MCSTOPP) square ft. lawn replaced	640	1120	3555	0
Number of Laundry-to-Landscape Systems (kits) approved	0	0	0	1
Hot water recirculating system rebates	0	1	6	11
Pool Cover rebates	0	1	25	35
Number of Smart Home Water Monitor "Flume Direct Distribution" redeemed	30	117	456	544
Number of Smart Controllers MW rebates approved	0	7	37	49
Number of Smart Controllers "Rachio Direct Distribution" approved	15	46	184	219
Custom Rebate - Commercial and Multi-Family	0	0	1	0
Advanced Metering Infrastructure (AMI)				
AMI leak letters sent to customers (>200 GPD)	125	350	1319	1330
ORDINANCES				
Water Waste Prevention				
Water Waste Reports Received	7	43	177	224
Water Waste Notifications Sent	0	8	34	49
Landscape Plan Review				
Plans submitted	10	28	90	117
Plans exempt	1	4	15	23
Plans completed	3	9	23	30
Plans in workflow (pass & fail)	15	59	139	172
Tier 4 Exemption				
Inspections that resulted in a pass	0	0	1	2

9. Watershed Protection:

Arrest for Outstanding Warrant

On September 17th, a subject who was illegally camping on the watershed near Kent Lake was contacted. The subject had numerous prior contacts with Rangers and our Deputy for illegal camping, littering, smoking, and creating a fire hazard. The subject was run for wants through Marin County Sheriff dispatch. The subject had an outstanding arrest warrant. The subject was placed under arrest and booked into the county jail.

Increase In Rangers eBike patrols

Rangers have increased the use of eBikes to patrol select trails. In May, the Rangers started patrolling the Liberty Gulch Trail with their eBikes. This was expanded in September to a select number of busy trails, especially in the Bon Tempe Lake area. This has enhanced the effectiveness of the patrols, allowing them to cover more territory than they could on foot. Visitor response has been overwhelmingly positive. They appreciate having Rangers out on the trails and patrolling on eBikes. During September, the Rangers completed nearly 200 miles of bike patrols.

Ranger Wildland Fire Training

From May through October of each year, the Rangers and Watershed Maintenance Staff participate in ongoing wildland firefighting training. The training includes the mandatory Annual Fireline Safety Refresher, better known as RT-130. The other training includes monthly training, where specific firefighting skills are practiced. The Rangers also do wildland fire training with our local fire departments.



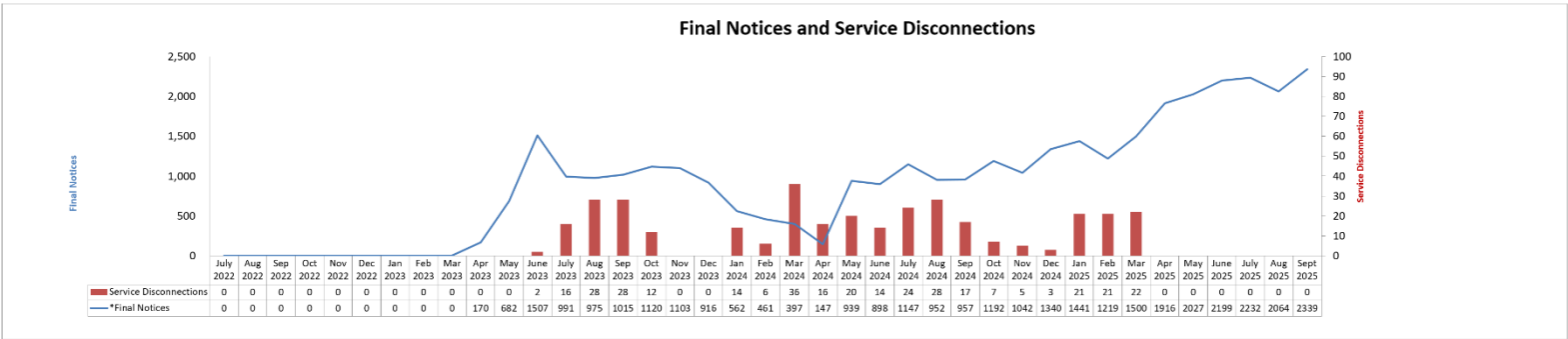
Recent portable pump training with Marin County Fire Dept.

RANGER ACTIVITIES	
Law Enforcement	#
<u>MMWD Ordinance Violations</u>	
▪ Cites	35
▪ Dog off Leash	1
▪ Fishing without a License	1
▪ Parking	33
<u>Penal Code Violations</u>	
• Vandalism	9
<u>Vehicle Code Violations</u>	
• Passenger in Pick-up Bed	1
• Parking Violations	1
• Misc. Vehicle Code Violation	1
<u>Fish and Wildlife</u>	
▪ License Checks	38
<u>Warnings</u>	
▪ All	101
<u>Other</u>	
▪ Assist Other Law Enforcement Agency	2
▪ Warrant Arrest	1
<u>Medical/Fire</u>	
Responses	
• Medical Calls	4
• Assist Fire/EMS	1
• Rechargeable Battery Fire	1
<u>Search and Rescue</u>	
Calls	
▪ Preventive Search and Rescue	1
<u>General</u>	
Visitor Assists	94
Dam Checks	65
Assist MMWD groups	70
Assist Other Agencies	5
<u>Watershed Observation Reports</u>	
▪ Received	4
<u>Additional Patrols</u>	
▪ Foot	30 miles
▪ Bike	197 miles
▪ ATV/UTV	45 miles
▪ LIDAR	5
▪ 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	_____ Ben Horenstein General Manager	 Ben Horenstein General Manager