



STAFF REPORT

Meeting Type: Board of Directors
Title: General Manager's Report December 2025
From: Ben Horenstein, General Manager
Meeting Date: January 20, 2026

TYPE OF ITEM: X Action Information

RECOMMENDATION: Approve Report

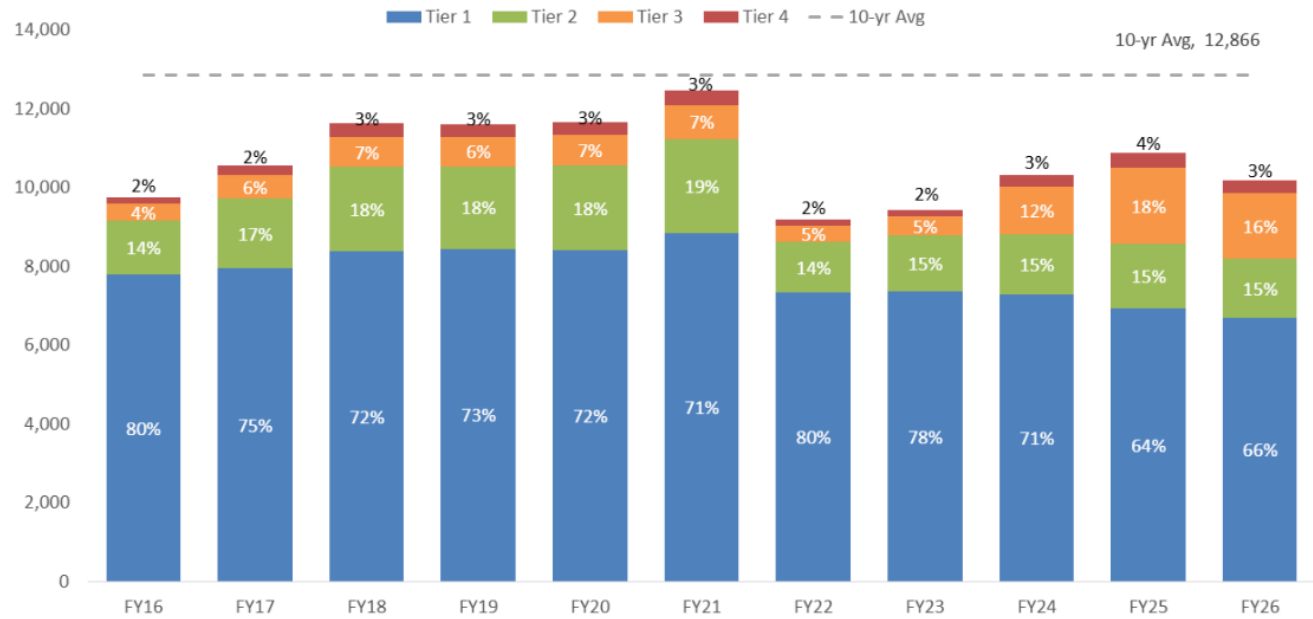
SUMMARY:

A. HIGHLIGHTS:

- The daily average net production for the month of December 2025 was 14.3 MGD compared to 14.5 MGD for the month of December 2024. Typical usage for December is 17.5 MGD.
- The daily average flow from Sonoma County Water Agency for the month of December 2025 was 3.9 MGD compared to 3.4 MGD for the month of December 2024.
- Staff are completing the 100% design package for the Tocaloma Pump Station Rehabilitation Project. Staff will be presenting this item at an upcoming Planning Committee meeting for advertisement for construction. This project will significantly improve system reliability and resiliency against disasters and match the maximum water treatment capacity at the San Geronimo Treatment Plant, ensuring maximum water output from the treatment plant during emergencies.
- Staff have begun design on the Scott Highlands Tank Project, which will incorporate tank seismic improvements as well as interior and exterior coating, ensuring the 250,000-gallon tank remains seismically resilient and protecting and extending the life of the steel tank.
- The Board adopted the supplemental IS/MND for the North Marin Line Stabilization Project and staff have started on the design of the relocated Shafter Valve, installation of 1,800 feet of 36-inch pipe along Sir Francis Drake Blvd that will eliminate one creek crossing and the design of one creek crossing. Once constructed, this project will address two single points of failures in the system, ensuring that the North Marin Line remains seismically resilient and continues to reliably provide water to the San Geronimo Treatment Plant.
- Staff responded to 813 underground service alert tickets and marked out approximately 23,220 feet of pipe in the month of December, helping ensure that District underground infrastructure was not damaged by contractors or homeowners during excavation work.

- Two 18" butterfly valves were replaced at the San Geronimo Treatment Plant. These two valves were replaced because they would not shut off completely during plant backwash operations. The water that would leak through the closed valves complicated filter bed inspections. The new valves will contribute to efficient and safe functioning water treatment filters during backwash operations.
- Staff purchased a new Metrotech Electrical Current Mapper tool that will be used by the Corrosion Department. This tool will be used to find flaws in pipeline outer corrosion protection layers (coating defects), current draw through cathodic protection systems and contact shorts with other utilities which can render cathodic protection systems ineffective.
- Crews completed vegetation management along Nicasio Creek.
- BFFIP work continued on the watershed and included pile burning in the Ross Reservoir area, fuelbreak maintenance work occurred throughout the Fern Canyon Tank Fuelbreak, forest restoration work was completed in Potrero Meadows, and Douglas Fir management occurred along Fish Grade.
- Hosted Cal Fire Forest Health Grant program staff for a site visit on recently completed BFFIP work on the watershed.
- District hosted a guided hike series "Restorative Fire: Rooted in Connection" which brought 25 people together at the recently prescribed burn sites at Bon Tempe on Dec 30. Staff and community discussed how prescribed burns are planned, their benefits, and fire history.
- Fisheries staff continued weekly salmon surveys throughout the Lagunitas Creek watershed, with preliminary results showing a record-high number of Chinook and an average number of Coho.
- The District was notified that our grant application to the Wildlife Conservation Board (WCB) for Lagunitas Creek Phase IIA is recommended for funding in the amount of \$1,108,000. Award is expected in February.

TIER CONSUMPTION AS OF DECEMBER 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	Grant ended in November 2025; closed out and final retention payment received	\$2,000,000
Water Conservation: turf rebates	USBR	Conservation	Water and Energy Efficiency Grant (WEEG)	Conservation		Awarded; in progress and on track	\$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
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 no-cost extension to wrap up 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. Expect that funds will be entirely spent down by the next reporting period.	\$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 Implemenation for 2-3 years	Awarded; in progress and on-track.	\$6,966,078
TOTAL FUNDED:							\$29,224,907

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; WCB confirmed that this will be brought to the February 2026 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; hosted Assemblymember Connolly on 11/17

UPCOMING GRANTS							
FUNDER	OPPORTUNITY	FUNDER PRIORITIES	PROJECT	DESCRIPTION		STATUS	
Various	Prop. 4 Bond Funding	Various	TBD	Funds have been appropriated for FY2025-26 but disbursement is delayed while various granting agencies complete or update program guidelines.		Monitoring	
Economic Development Agency	Economic	Disaster Recovery	TBD	Federal - \$1.45B in available funds on a rolling (first-come, first served) basis. Staff attended an informational webinar on 11/13 to inform next steps and better understand alignment. This opportunity is primarily focused on funding public-private partnerships that will increase economic output (e.g., building a data center).		On hold	
U.S. Army Corps of Engineers	Water Resources Development Act 2022	Various	TBD	\$2M for Marin Water is written into the current FY26 Army Corps funding bill. We expect the House to vote on this bill the week of 1/5, with a Senate vote following. The bill would be signed into law before 1/30; the Army Corps would then release a FY26 work plan based on the bill ~60 days after being signed into law.		Pending	

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	3,711	11,389	4,042	12,403
Monthly production, December	442	1,358	453	1,391
Daily average, December	14.27	43.79	14.63	44.88
Recycled				
Total production this FY	123.76	379.81	158.78	487.26
Monthly production, December	3.83	11.75	17.29	53.06
Daily average, December	0.12	0.38	0.56	1.71
Raw Water				
Total production this FY	34.14	104.76	61.56	188.92
Monthly production, December	0	0	14.13	43.36
Daily average, December	0	0	0.46	1.4
Imported Water				
Total imported this FY	1,483	4,551	1,421	4,361
Monthly imported, December	122	373	104	320
Reservoir Storage				
Total storage, December	23,967	73,552	25,927	79,566
Storage change during December	3,419	10,491	3,054	9,373
Stream Releases				
Total releases this FY	1,627	4,992	1,510	4,633
Monthly releases, December	339	1,040	326	1,000

2. <u>Precipitation:</u>	<u>FY 2025/26 (in.)</u>	<u>FY 2024/25 (in.)</u>
ALPINE	20.97	15.72
BON TEMPE	15.44	11.85
KENT	19.21	14.49
LAGUNITAS	19.03	12.25
NICASIO	11.80	9.33
PHOENIX	17.29	12.31
SOULAJULE	12.69	10.57
Average to date = 19.31 inches		

3. Water Quality:

<u>Laboratory</u>	<u>FY 2025/26</u>	<u>FY 2024/25</u>
Water Quality Complaints:		
Month of Record	17	35
Fiscal Year to Date	84	117
Water Quality Informational Inquiries:		
Month of Record	6	6
Fiscal Year to Date	61	75

The WQ Lab ensured that the water supplied met or surpassed water quality regulations by collecting and analyzing 1,757 analyses on treatment plants and distribution system samples.

Mild steel corrosion rates averaged 2.47 (0.17 – 5.40) MPY. The AWWA has recommended an operating level of <5 MPY with a goal of <1 MPY.

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

Disinfection Program: 250' of new pipeline was disinfected during the month of December. Performed chlorination on 17 water storage tanks to ensure compliance with bacteriological water quality regulations.

Tank Water Quality Monitoring Program: Performed 143 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 1,757 treatment plant and distribution water samples, and the water quality department treated 17 tanks for low chlorine and checked an additional 143 tanks for low chlorine residual in December 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)	2.84	2.75 *	2.79	2.75 *	2.75	2.75 *
Color (units)	0.6	≤ 15	0.1	≤ 15	0.0	≤ 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 Contractor continues to install 24-, 30-, and 36-inch welded steel potable water pipe at the tank site. Additionally, the Contractor continues to manage stormwater protection measures at the project sites. 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 continues to install the new roofing system. When the roof has been replaced, the contractor will install fall protection guardrails and access ladders. Project completion is estimated early 2026.
- 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 project is complete.
- d. 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 Contractor has completed mainline pipe installation and is currently performing system testing before beginning water service transfers. Project completion is estimated in February 2026.
- e. Bon Tempe Treatment Plant Backwash Valve Replacement Project (D23008): This project is part of the District's Capital Improvement Program and will address the deteriorating condition of the existing backwash system by replacing existing backwash valves, select pipe, and associated appurtenances.
- Project Budget: \$1,200,960
 - Monthly Activities: The contract has been executed and a preconstruction meeting was held on December 4. The contractor has mobilized to the project site and has begun civil work. Project completion is estimated Summer 2026.
- f. Kastania Pump Station Rehabilitation Project Phase II (D21027): This project will install a single, new high efficiency pump and motor and will incorporate various new drainage features at Kastania Pump Station. The project will also install a new 16" pressure relief valve and 8,000-gallon pressure relief discharge tank at Ignacio Treatment Plant.
- Project Budget: \$ 3,733,577

- Monthly Activities: The contract was awarded at the December 9 Board of Directors meeting, and has been executed. A preconstruction meeting is scheduled for January. Project completion is estimated Summer 2027.

g. Marin City Phase II Pipeline Replacement Project (GC25005): Marin City Phase II Pipeline Replacement Project is a component of the District's Capital Improvement Program. The Project will install approximately 10,440 feet of 16, 8, 6 and 4-inch welded steel pipe to replace the old, leak prone, seismic deficient cast iron and asbestos cement piping installed as early as 1961.

- Project Budget: \$5,387,010
- Monthly Activities: The contract was awarded at the December 9 Board of Directors meeting, and the contract is currently being executed. Work is anticipated to begin early 2026 and be completed by October 2026.

- Sleepy Hollow Pipeline Replacement Project (F24002): Sleepy Hollow Pipeline Replacement Project is a component of the District's Fire Flow Improvement Program. This Project will install approximately 4,250 feet of new 12-, 8-, and 6-inch welded steel pipe to replace old, leak-prone, fire flow deficient piping installed as early as 1932.

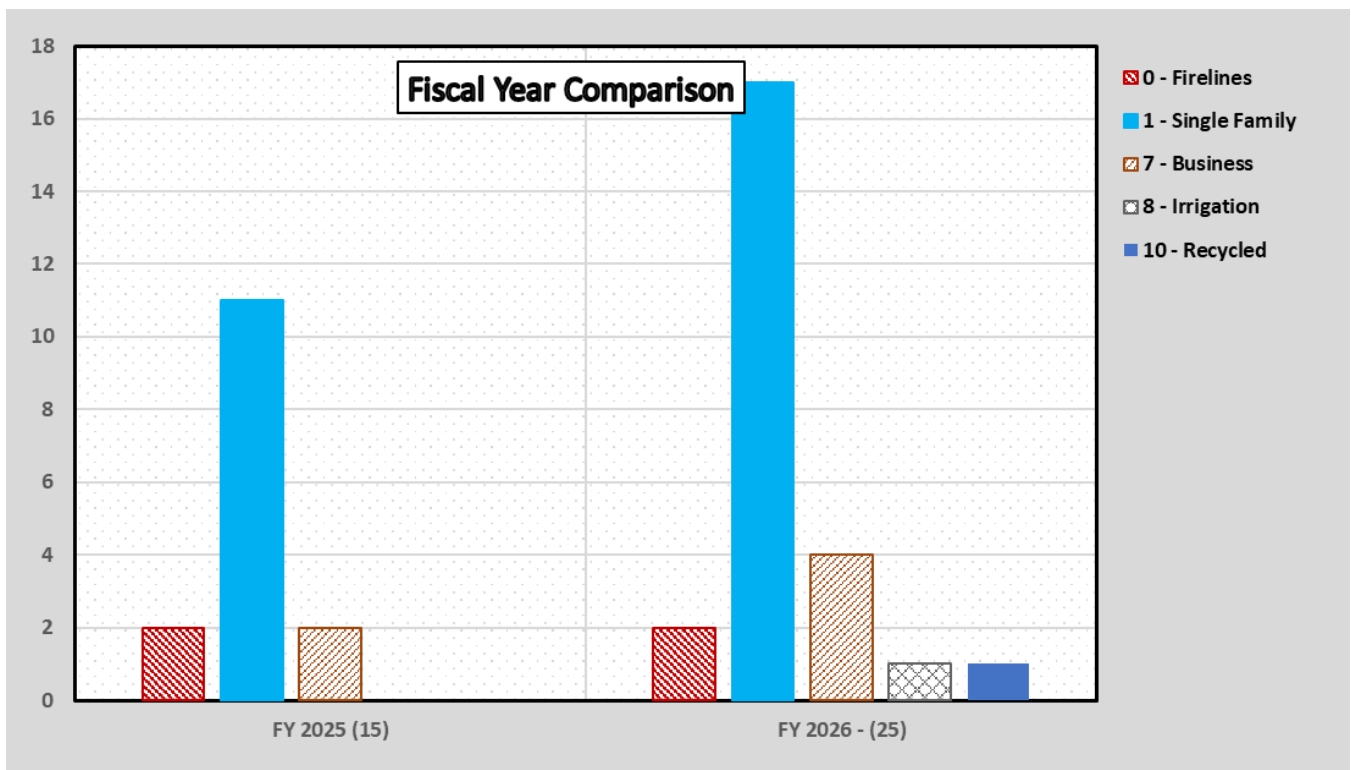
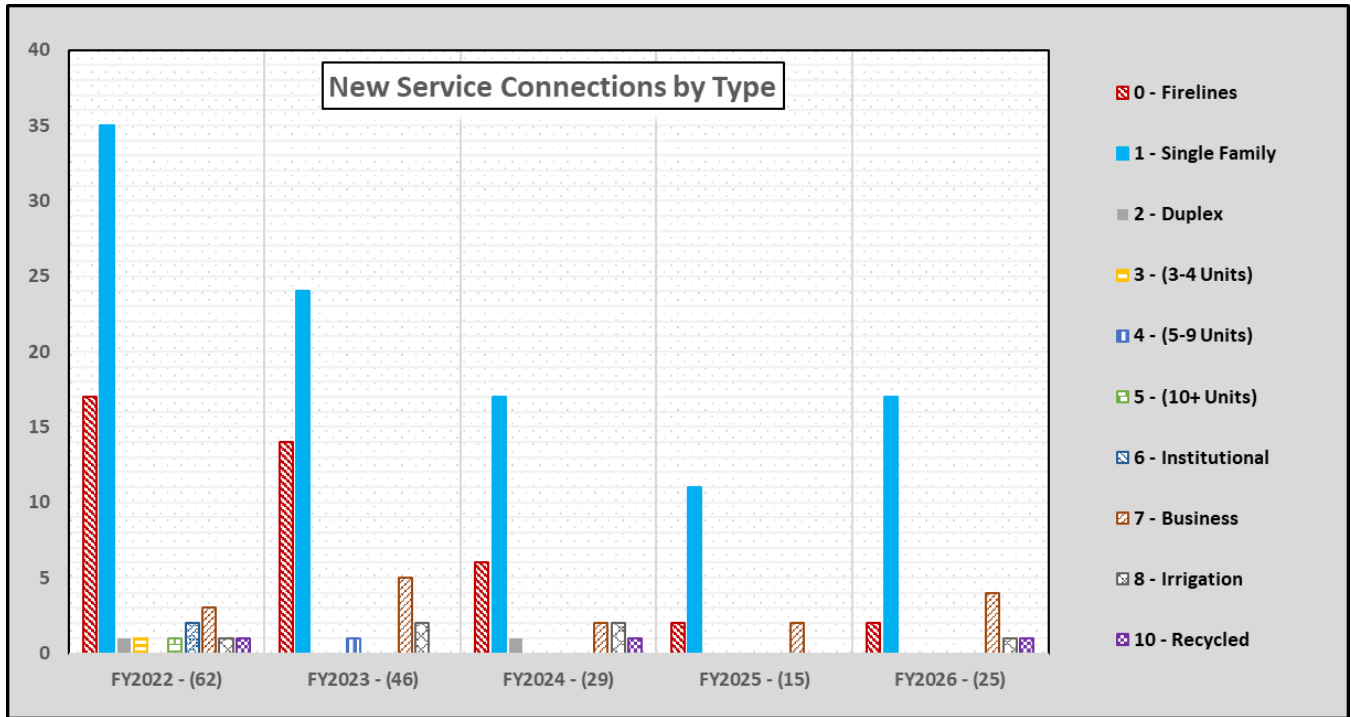
- Project Budget: \$2,328,132
- Monthly Activities: The contract was awarded at the December 16 Board of Directors meeting, and the contract is currently being executed. Work is anticipated to begin early 2026 and be completed Summer 2026.

- Alpine Barge Anchor and Pipe Float Replacement Project (D24010): This project will install new pipe floats, barge anchoring, connections, and appurtenances at the Alpine Reservoir pump barges located within District Watershed Lands.

- Project Budget: \$262,000
- Monthly Activities: The District has begun preparations for performing this work using the On-Call Capital Construction Contract. A preconstruction meeting was held with the District's Contractor in December and work is anticipated to begin January 2026.

6. Other:

Pipeline Installation	FY 2025/26	FY 2024/25
Pipe installed during December (feet)	1,654	1,855
Total pipe installed this fiscal year (feet)	9,486	15,971
Total miles of pipeline within the District	908*	908*
<i>* Reflects adjustment for abandoned pipelines</i>		
Pipe Locates (813 Responses)	FY 2025/26	FY 2024/25
Month of December (feet)	23,220	27,094
Total this fiscal year (feet)	194,525	228,361
Main Line Leaks Repaired	FY 2025/26	FY 2024/25
Month of December	20	12
Total this fiscal year (7/1/25-5/31/26)	82	85
Services	FY 2025/26	FY 2024/25
Service upgrades during December	10	10
Total service upgrades this FY	90	92
Service connections installed during December	1	2



7. Recruitments and Hires:

The District recruited for the following positions:

1. Administrative Analyst
2. Assistant or Associate Engineer
3. Customer Service Field Inspector
4. Customer Service Representative I/II
5. Water System Technician
6. Watershed Aide (Veg Management)

The District hired new employees for the following positions:

1. Welder/Fabricator

Employees promoted through competitive process:

1. Superintendent of Operations (Water Distribution & Controls)

8. Demand Management:

	Dec-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)	79	475	692	404
Residential properties resi 3-5 (multi-family units)	5	9	10	6
Non-residential properties resi 6-7 (commercial)	0	0	1	0
Dedicated irrigation accounts resi 8-10 (large landscape)	1	3	7	0
Marin Master Gardeners' Marin-Friendly Garden Walks				
Residential garden walks	5	78	147	173
Public Outreach, Education, Customer Service				
Public outreach events (number of people attending)	0	2500	3870	7022
Public education events (number of participants)	0	330	265	425
Department customer calls/emails	349	3167	6124	4485
Outreach to new Marin Water customers (letters sent)	252	844	1483	1908
School Education				
School assemblies				
Number of activities	1	5	19	19
Number of students reached	570	1873	7212	21850
Field trips				
Number of activities	0	3	22	16
Number of students reached	0	60	471	343
Classroom presentations				
Number of activities	0	4	13	14
Number of students reached	0	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	1	3	14	9
Rain Barrel/Cisterns gallons	330	1860	13650	0
Rain Barrel Give-a-way (Gallons)	0	9150	33550	4840
"Cash for Grass" Lawn Replacements total properties approved	7	44	81	61
"Cash for Grass" (Best Practices) square ft. lawn replaced	345	3721	17699	0
"Cash for Grass" (Standard) square ft. lawn replaced	6105	43346	51049	0
"Cash for Grass" (MCSTOPP) square ft. lawn replaced	0	1120	3555	0
Number of Laundry-to-Landscape Systems (kits) approved	0	0	0	1
Hot water recirculating system rebates	1	2	6	11
Pool Cover rebates	0	2	25	35
Number of Smart Home Water Monitor "Flume Direct Distribution" redeemed	23	237	456	544
Number of Smart Controllers MW rebates approved	0	13	37	49
Number of Smart Controllers "Rachio Direct Distribution" approved	15	76	184	219
Custom Rebate - Commercial and Multi-Family	0	0	1	0
Advanced Metering Infrastructure (AMI)				
AMI leak letters sent to customers (>200 GPD)	85	603	1319	1330
ORDINANCES				
Water Waste Prevention				
Water Waste Reports Received	6	61	177	224
Water Waste Notifications Sent	0	9	34	49
Landscape Plan Review				
Plans submitted	9	57	90	117
Plans exempt	5	11	15	23
Plans completed	2	14	23	30
Plans in workflow (pass & fail)	13	103	139	172
Tier 4 Exemption				
Inspections that resulted in a pass	0	0	1	2

9. Watershed Protection:

Ranger Retirement

In mid-December, Park Ranger John McConneloug, who had been with the district since 2006, retired. John began his ranger career in the 1990s and worked for several agencies before joining the district. John served the district as a peace officer, EMT, and initial-response wildland firefighter. John also assisted with the search and rescue of lost and injured hikers and bikers. John started a formal bike patrol program for the Rangers. John spent most of his patrols at the top of the mountain, handling calls for service, responding to visitors, and assisting them. His knowledge and passion for the job will be missed.



Park Ranger Year-End Summary

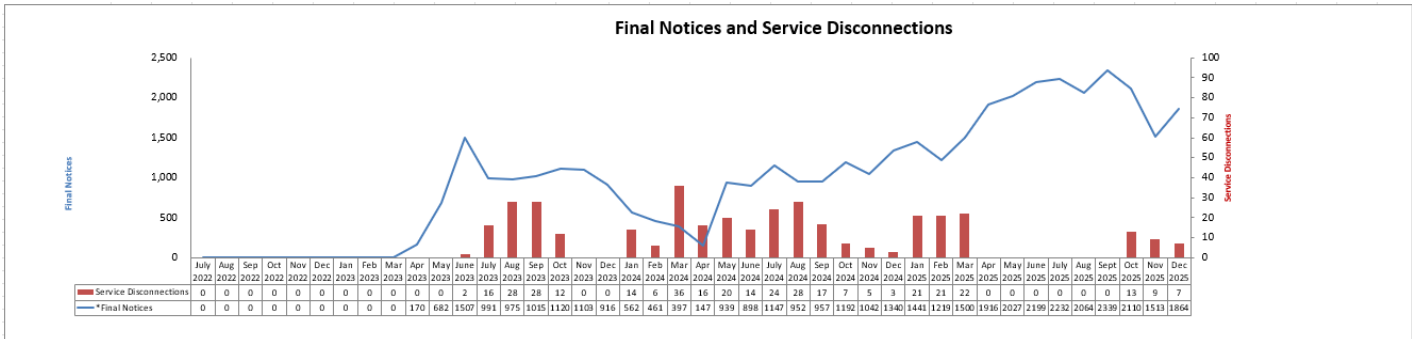
RANGER ACTIVITIES for 2025	
Incidents and Events	7765
Visitor Assists	2132
Warnings	1821
Dam Checks	991
Citations	763
Assists Other MMWD Work Groups	710
Fish and Game Checks	416
Misc. Law Enforcement Calls	252
Vandalism	148
Medical Aid Calls	68
Fire Service, Including Prescribed Burns	50
Suspicious Circumstances and Welfare Checks	38
Preventive Search and Rescue	32
Search and Rescues	17
Vandalism	148
Illegal Dumping	12
Public Outreach and Education	10
Disputes and Disturbances	9
Thefts and Other Property Crimes	8
LIDAR patrol for Speed Enforcement	53
Foot Patrol Miles	851
Bike Patrol Miles	1432

RANGER ACTIVITIES	
Law Enforcement	#
MMWD Ordinance Violations	
• Cites	40
• Dog off Leash	2
• Bike on Trail	1
• Parking	37
Penal Code Violations	#
• Vandalism	10
• Illegal Dumping	1
• Auto Burglary	1
• Theft	1
Vehicle Code Violations	#
• Parking Violations Cites	2
• Vehicle Code Violation Warnings	3
Fish and Wildlife	#
• License Checks	3
• Warning for Fishing Violations	3
Warnings	#
• All	146
Other	
Assist Other Law Enforcement Agency	3
Misc. Law Enforcement Calls	18
Ranger Callout	1
Medical/Fire	#
Responses	
• Medical Calls	3
• Assist Fire/EMS	2
Search and rescue	#
Search and Rescue	2
Preventive Search and Rescue	5
General	#
Visitor Assists	136
Dam Checks	96
Assist MMWD groups	56
Assist Other Agencies	2
Watershed Observation Reports	#
Received	2
Additional Patrols	
Foot	64 miles
Bike	114 miles
ATV/UTV	18 miles



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
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Office of the General
Manager

Ben Horenstein
General Manager

Ben Horenstein
General Manager