

Water is Our Future

Mammoth Community Water District Year End Report 2022-23

Mission statement

The Mammoth Community Water District is committed to carefully and effectively managing and maintaining our local water resource. We are committed to our customers and the environment in which we live.



The Mammoth Community Water District (MCWD) was founded in 1957 and has consistently provided reliable water and wastewater services to the community of Mammoth Lakes, California. All of MCWD's water resources are located in the Mammoth Basin, no water is imported to the service area. Sources of water included surface water, groundwater, and recycled water. Water from Lake Mary, and nine production wells, is treated by the District and distributed to customers using over 80 miles of water lines, eight storage reservoirs, and three treatment plants. Water is transported within an elevation range between 7,520 and 8,620 feet.

BOARD OF DIRECTORS

Tom Cage, Dennis Domaille, Elizabeth Hylton, Tom Smith, Gary Thompson

Message from the General Manager, Mark Busby

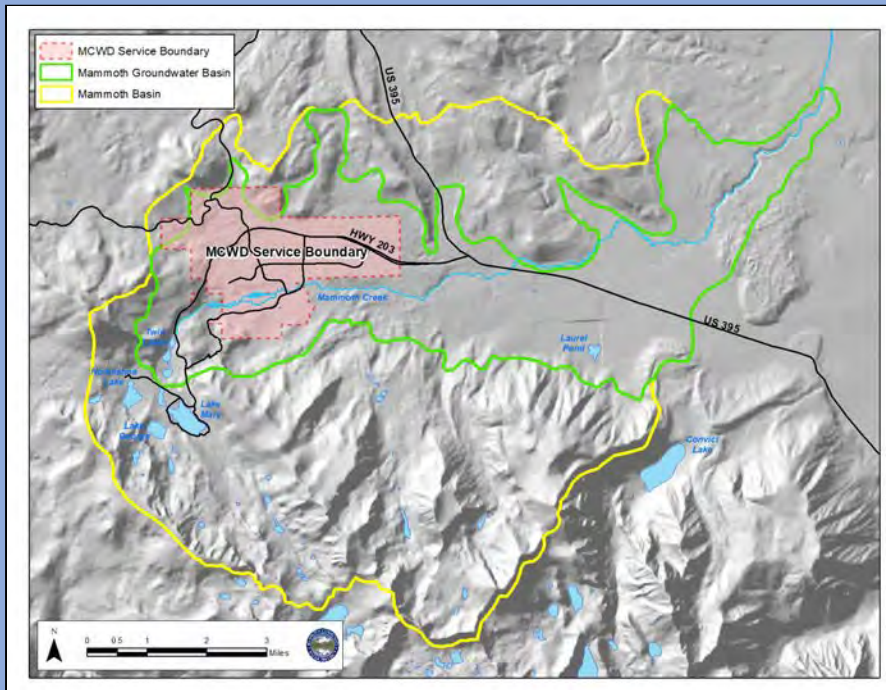
As General Manager, it was my pleasure to continue working with the community and to support the many achievements accomplished by very capable and knowledgeable District staff. Mammoth Community Water District's past fiscal year, April 1, 2022, through March 31, 2023 was filled with many new challenges as well as many achievements. Within this report, you will learn about, long-term strategic planning, award winning facilities, community development activities, improvements made to our water and wastewater systems, as well as conservation efforts on many fronts. All of these accomplishments were made possible by the support of our Board of Directors, ratepayers, and a very talented District team. I look forward to continuing to build on the positive relationships with staff and our community, working towards common goals. Looking to the future, we will continue to innovate and improve the District's water and wastewater systems while maintaining strategic planning efforts and initiatives that reflect our commitment to delivering the highest quality water and reliable services to our customers for the present and future.



STRATEGIC PLANNING

Each fiscal year, District staff meet to discuss how to advance the strategic plan, ensuring day to day activities are aligned with the District's mission statement, core values, and overall operations plan. The plan also serves as a key tool in the annual budgeting process. Leaders from each department engage in drafting priorities for short-term and long-term District goals. Then, a public strategic planning workshop is held with the Board of Directors, and any members of the public, to review the draft, and receive feedback. Following the workshop, at a regularly scheduled Board meeting, the Board will take action to approve the Strategic Plan. October marks the mid-year point for the District's fiscal year. Each year at the October regular board meeting, staff present the Board with a mid-year update to the year's strategic plan. A thorough review of the plan is provided, highlighting progress and changes to strategic objectives and related metrics. The Board provides feedback and recommendations for any modifications.

The Annual Strategic Planning Workshop occurred on January 18, 2022, and the FY23 Strategic Plan was adopted on February 17, 2022. The current years Plan can be found on the MCWD website here: <https://mcwd.dst.ca.us/wp-content/uploads/2023/03/FY24-Strategic-Plan-for-PUBLICATION.pdf>



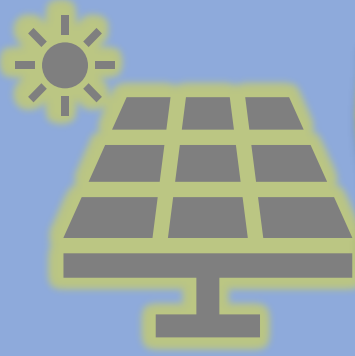
Categories of Strategic Objectives:

- Water Resource and Wastewater Management & Planning
- Operations & Maintenance
- Key Strategic Driven Expenditures
- Financial Management
- Information Systems & GIS
- Government and Community Relations & Outreach
- Regulatory Compliance & Agreements
- Personnel & Administrative

In FY23 staff focused their attention on the following priorities and projects:
(This is only a partial list of priorities for FY23)

- Future Water Supply Analysis.
- Evaluate and design replacement of water storage tank T-8.
- Sewer upgrade – Center St. and Hwy 203.
- Rehabilitation of Wastewater Treatment Plant recycled water filter.
- Significant progress on bringing new Well 32 online.
- Improvements to the Lake Mary Treatment Plant.
- Supervisory Control and Data Acquisition (SCADA) Server replacement.
- Update of MCWD security (physical and digital).
- Obtain an updated Recycled Water General Use permit.
- Conduct an Employee Engagement Survey.
- Significant progress on revising the MCWD Code.
- Please refer to the FY24 Strategic Plan found on the MCWD website for a comprehensive view of goals for the current fiscal year and future years.

COMMUNITY DEVELOPMENT



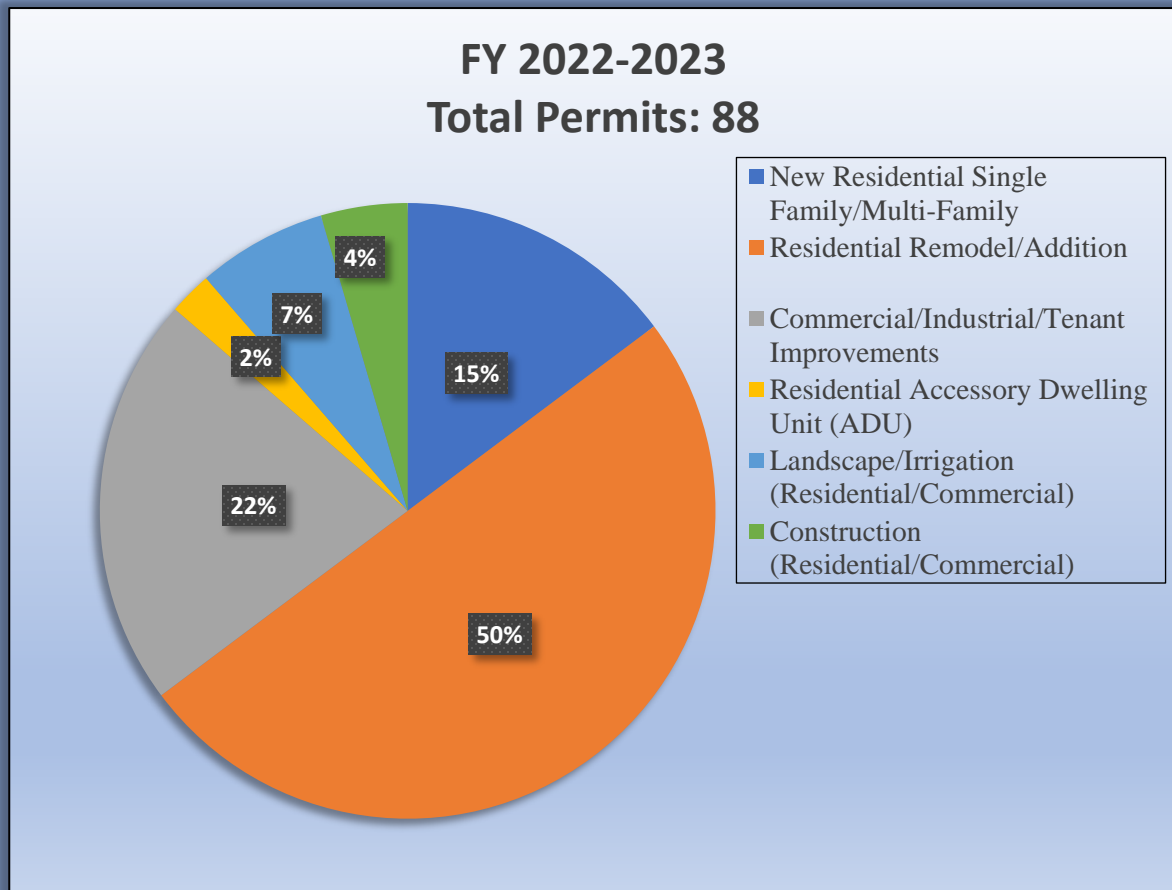
MCWD solar panels produced over 1.6 million kWh of renewable energy in FY23! That is enough energy to power approximately 1,200 homes at once. When energy generated by the panels is not used by District facilities, it is passed onto the grid for the greater community's use. The District takes pride in generating, consuming, and providing renewable energy!

Recycled water is a key resource for diversifying local supplies and improving long-term water resilience. In 2022, MCWD provided 83,617,000 gallons of recycled water to supplement the Districts overall water supply to the community.



The District provides water and wastewater service for all new development within the District's boundary. Tracking new demand for service is an integral part of MCWD's strategic planning to ensure that the District remains prepared to supply water to the community's expanding environment.

The chart below displays the percentage of total permits issued by the MCWD Engineering Department for the various categories of development.

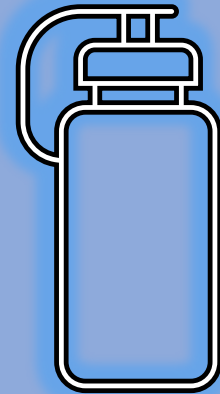


MCWD PROJECTS

The District is committed to providing reliable service for our customers in addition to contributing to the overall well-being of the community. Some of the ways the District has done this is through the following projects and programs.

Water Bottle Filling Stations

In 2022 the District completed construction of two public drinking fountains plus water bottle filling stations. Both stations are located along the Town Loop paved recreation path; one is located adjacent to the public restroom at Mammoth Creek Park- East, and the second can be found on the path at Waterford Avenue. A third station is ready to be installed this summer along the Lakes Basin Bike Path, across from the Twin Lakes Vista parking lot. Infrastructure and the concrete slab were constructed in the fall of 2022, however early winter precipitation hampered the final installation of the fountain.



Mobile Water-Bar

A mobile water-bar was constructed by staff to provide drinking water at public events. The water-bar can be attached to any trailer hitch and is light enough to be moved into place by hand at any event. Using a hose, the water-bar is attached to a potable water source to provide convenient, refreshing drinking water. Look for the MCWD water-bar at the Town of Mammoth Lake's Fourth of July parade and Mammoth Festival of Beers and Bluesapalooza this summer!



In-house Construction & Maintenance

In 2022, District crews replaced water service laterals along Panorama Road and Ridgeway Road. A total of 17 laterals and 26 meter pits were replaced. Meter pits are critical for the District to accurately measure water usage in the community. The Line Maintenance crew worked with contractors to rehabilitate 6,133' of sewer with new slip lining to extend the life of existing lines. That is over one mile of new lining! By using slip lining technology, the District was able to provide rate-payers significant savings and complete the task faster than the traditional open trench technique. Lastly, improvements were made to 22 manholes to prolong the life of the community's sewer infrastructure.

On-site Tesla Battery

Surplus energy generated by the District's solar collection system is now able to be stored on-site with a new Tesla battery! The District received a grant from the California Public Utilities District to purchase the battery. The battery provides the District with greater energy cost savings and increases the District's, and community's, resiliency to power shut-offs. The battery has a capacity of 786.5 kW/3,080.4 kWh, the equivalent of 790,000 AA batteries!



CONSERVATION PROGRAMS

Indoor Rebate Programs

The District continues to incentivize water conservation by providing customers with rebates when upgrading to new dishwashers, toilets, and/or clothes washers. This year, the estimated total water savings resulting from these upgrades is 944,387 gallons!

Number of rebates provided:



Dishwashers



Toilets



Clothes washers

Leak Detection Program

Utilizing our state-of-the-art automated metering infrastructure, staff run daily leak reports to detect water leaks. Customers can also be sent automatically generated notifications from our leak detection system when they enroll in notifications online within their customer account. In 2022, 238 customers were notified of leaks.



Turf Replacement Program

The District kicked off the summer of 2022 with a new rebate opportunity, the Turf Replacement Rebate Program. This is an incentive for customers to remove turf from their landscape to conserve water. The District will give customers \$2.00 per square foot of converted turf area. Customers have chosen to replace turf with mulch, native plants, and xeriscape landscaping, resulting in water saving. This year the District processed 12 applications, five for single-family residences and seven condominium complexes, totaling 50,270 square feet of landscape, estimated to save 1,052,559 gallons of water annually.



AWARDS

The California Water Environment Association recognized MCWD Wastewater Treatment Plant as the 2022 Sierra Section Plant of the Year in the small plant category (less than 5 MGD)! This award acknowledges accomplishments in compliance, innovative practices, cost effectiveness, and superior plant performance.

“This prestigious award is a great accomplishment for MCWD and shows the dedication and effort everyone has put forth this past year,” states Clay Murray, Operations Superintendent. “Thanks to all that contributed to our wastewater plant operations and maintenance.”

MCWD would like to express special appreciation to the following individuals who made this award possible through daily contributions:

Wastewater Treatment Staff: Tyler Nelson, Steven Sornoso, and Kyle Burnett

Laboratory Staff: Bruce Medhurst and Sarah Minich

Plant Maintenance Staff: Rob Motley, Hans Walden, Honovaa Lewis, and Huoy Sytha

This award was presented at the CWEA Sierra Section Awards Banquet on February 4th, 2023, at the Silver Legacy in Reno.

