

Eastern Municipal Water District Agency Profile

Incorporated: October 16, 1950.

MWD Member Agency: Joined the Metropolitan Water District of Southern California (MWD) in 1951. Today, there are 26 MWD member agencies in six counties, and Eastern Municipal Water District (EMWD) is the easternmost member.

Governance: Five-member Board of Directors, each representing comparably sized populations and elected to four-year terms.

Service Area: 555 square miles in western Riverside County – about 75 miles east of Los Angeles.

Population Served: Approximately 816,000 people live in the service area.

Cities/Agencies Served: Retail customers are within the cities of Hemet, Menifee, Moreno Valley, Murrieta, Perris, San Jacinto, and Temecula and the unincorporated communities of French Valley, Good Hope, Homeland, Juniper Flats, Lakeview, Nuevo, Mead Valley, Murrieta Hot Springs, North Canyon Lake, Quail Valley, Romoland, Sun City, Valle Vista, and Winchester. Wholesale customers include the cities of Hemet, San Jacinto and Perris, Lake Hemet Municipal Water District, Nuevo Water Company, Rancho California Water District, and Western Municipal Water District.

Assessed Valuation: Approximately \$70 billion in FY 2016/2017.

Connections: Approximately 148,000 domestic water service accounts; 125 agriculture accounts; 246,000 sewer service accounts; and more than 400 recycled water service accounts.

Employees: Approximately 600

Operating Budget: \$285 million for FY 2018/2019.

Capital Improvement Plan: \$398 million for FYE 2018 - 2022.

Grants and Loans: More than \$579 million in grants/low-interest loans awarded since 2001.

QUICK FACTS

WATER SYSTEM

Approx. 78,500 acre feet sold in FY 2016/2017

- 2 fresh water filtration plants
- 2 groundwater desalters
- 16 active domestic wells
- 12 active desalter wells
- 78 storage tanks
- 83 active pumping plants
- 2,465 miles of pipeline

SEWER SYSTEM

More than 55,000 acre feet treated (averaged 43 mgd) in FY 2016/2017

- 4 operating reclamation facilities
- 70 mgd total capacity
- 1,816 miles of collection pipeline

RECYCLED WATER SYSTEM

Nearly 30,000 acre feet sold in FY 2016/2017

- More than 200 miles of pipeline
- 24 active pumping facilities
- More than 7,000 acre feet of seasonal storage

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Imported water: The sole source of imported water is MWD, which imports it through the Colorado River Aqueduct and from northern California via the Department of Water Resource’s (DWR) State Water Project (SWP).

Water Treatment Facilities: The Perris Water Filtration Plant (PWFP) has a capacity of 22 million gallons a day (mgd). This ultrafiltration plant utilizes membrane technology and ultraviolet light to treat raw water from the Colorado River and from the SWP to produce potable water. The Hemet Water Filtration Plant (HWFP) is also an ultrafiltration facility treating SWP water at 12 mgd, also using membrane technology. The Menifee and Perris Desalter Plants convert salty, non-consumable groundwater (brackish water) into potable water, using a reverse osmosis process. Combined, the treatment capacity is 8 mgd.

Sewer Treatment Facilities: EMWD’s four operating reclamation facilities provide the highest level tertiary treatment. Current flow and capacities are as follows:

Plant	Typical Daily Flow	Current Capacity	Ultimate Capacity
Moreno Valley	11.2 mgd	16 mgd	41 mgd
Perris Valley	13.8 mgd	22 mgd	100 mgd
Hemet/San Jacinto	6.0 mgd	14 mgd	27 mgd
Temecula Valley	14.0 mgd	18 mgd	28 mgd

Recycled water is widely used to irrigate landscapes for sport fields, medians, golf courses, parks, schools, restricted recreational use, and more. It’s also used for groundwater replenishment and environmental enhancement of wetland areas. Commercial and industrial customers use recycled water for cooling towers and other processes, as well as landscape irrigation. EMWD typically uses 100 percent of its recycled water supply.

Green Power Resources: Saving more than \$1 million per year in energy costs
EMWD has digester gas fuel cells at its Moreno Valley and Perris Valley Regional Water Reclamation Facilities. These fuel cells, which operate on renewable fuel, provide 25 to 40 percent of each facility’s energy requirements and produce virtually zero emissions. In addition, EMWD received a grant from the South Coast Air Quality Management District (SCAQMD) for nine 60-kw microturbines that provide additional power generation, saving more than \$300,000 annually.

Water Use Efficiency

EMWD’s main program is its water budget-based tiered rate structure which was designed to reward customers who use water efficiently and to discourage those who waste water.

EMWD Water Supply Portfolio FYE 2017 - 133,505 acre feet

