



Eastern Municipal Water District

Water District Taps Into SCE Programs To Receive Significant Energy Savings

When it comes to energy use at the Eastern Municipal Water District (EMWD), working with SCE to identify savings opportunities proves critical in reducing both operational and capital costs, according to Director of Purchasing and Contracts Dan Howell.

The district — which provides domestic and agricultural water, wastewater collection and treatment service, and recycled water in a 542-square-mile service area in Western Riverside County, CA — has tapped into a wide array of SCE programs to save energy, money, and the environment.

Energy Efficiency: Savings of More Than 10.4 Million kWh

Energy efficiency upgrades provide long-term savings opportunities, with financial incentives available to help offset up-front equipment costs. EMWD participation:

- Customized Solutions: For tailored energy-efficient equipment upgrades, such as the installation of pumps on variable frequency drives to improve operational efficiency.
- Free Pump Test Services Offering: To identify overall pump plant efficiencies

to achieve improvements that bring sites back to optimal design and productivity.

- Savings By Design (SBD): To offset water filtration and reclamation plant expansion costs and pump/booster station new construction costs via this program that encourages high-performance, nonresidential building design and construction.

The bottom line: Savings of greater than 10.4 million kilowatt-hours over more than seven years, with nearly \$850,000 in incentives to offset equipment and facility upgrade costs.

Demand Response (DR): Incentives of Over \$1 Million for Automated Demand Response (Auto-DR)

With DR, by reducing energy consumption during peak periods, you relieve stress on the electricity grid, reduce energy costs, and help the environment, and in turn earn bill credits that help offset your monthly energy charges. EMWD participation:

- Aggregator Managed Portfolio Program (AMP): DR program developed by authorized third parties for our customers.

Project Overview

SCE Programs Utilized:

- Customized Solutions
- Pump Test Services Offering
- Savings By Design
- Demand Response Programs including Automated Demand Response
- Renewable Fuel Cell Power Plants and Solar
- Agricultural and Pumping Interruptible Program

Results:

Overall savings of more than **10.4 million kWh**

Incentives:

Energy efficiency of nearly **\$850,000**

Auto-DR technology over **\$1 million**

On-site renewable energy resources of nearly **\$6.9 million**



