



News from EMWD

Community Involvement Department
951/928-3777, ext. 4219
FAX 951/928-6171
odencransp@emwd.org
P.O. Box 8300
Perris, CA 92572-8300

For Immediate Release

Eastern Municipal Water District earns award from national water association for Energy Optimization Program

Perris, CA (November 27, 2007)—Better energy management means less expense for Eastern Municipal Water District's (EMWD) customers. That effort was recognized by the American Water Works Association (AWWA) with the California-Nevada Section AWWA Outstanding Energy Management Award for 2007.

The award recognizes utilities for outstanding energy management in operation of potable water supply, treatment and distribution systems and recycled water distribution systems. The award acknowledges energy cost savings attributed to innovative, significant and transferable techniques for energy management.

EMWD was selected for this honor based on the implementation of a state-of-the-art automatic pump scheduling software system, known as "Aquadapt," that results in an Energy Optimization Program (EOP) to reduce peak-period pumping by selecting between electric and gas drives based on both the cost of gas on the spot market and the electrical tariff for that time of day. Essentially, it allows EMWD to effectively manage the water supply for customers while reducing energy costs – helping to control customers' rates. It also results in diminishing a carbon footprint and reducing pressure on California's electricity grid.

Energy costs for pumping are typically one of the largest expenses in a water utility's operations budget. In 2005 EMWD contracted with Derceto, a pump scheduling optimization software company, to assist in implementing an EOP for its Moreno Valley distribution network. Since roll-out, Derceto was able to decrease peak demand charges and bring an 11 percent reduction in the electrical cost of delivering water.

“EMWD embraces a more proactive operation philosophy, rather than reactive,” says Khos Ghaderi, Director of Water Operations. “Having the ability to store energy, pump when electricity is at a relatively low cost and drawing down storage when electricity is expensive allows us a significant degree of flexibility in the scheduling of when energy is purchased, and at what tariff.” EMWD is Derceto's first customer in the US to implement combined gas and electric pump selection in this manner.

Since implementing Phase I, which was recognized for the AWWA award, EMWD awarded Decerto Phase 2 for roll-out for facilities in Murrieta, Perris and Sun City. EMWD has also been tapped as one of California's Flex Your Power energy efficient leaders. Flex Your Power, California's statewide energy efficiency campaign, recognized EMWD as a leader in energy efficiency for installing 14 premium efficiency motors at a recycled water pump station and groundwater desalination facility reducing energy use by 5.5 million kWh.

#

EMWD is the freshwater, wastewater service and recycled water provider to a 555-square mile area from Moreno Valley southward along the I-215 corridor to Temecula and eastward to Hemet and San Jacinto. Approximately 660,000 people live and work in this area. In addition to its own water customers, EMWD supplements water to eight local water agencies and municipalities that have their own water departments. EMWD operates four water reclamation facilities and treats some 45 million gallons of wastewater daily. More information can be found at EMWD's web site www.emwd.org.