

Energy Management Success Story



The City of San Bernardino Municipal Water Department



Express Solutions, AP-I and Free Pump Testing from SCE Help The City of San Bernardino Municipal Water Department Maintain Quality and Save Money

Savings and Service at San Bernardino Water Department with SCE's Pump Test Program

Product, process, and price: Since 1905, the San Bernardino Water Department has strived to deliver quality on all three to its ever-growing customer base. For almost that long, hydraulic pump test services from Southern California Edison (SCE) have helped the Department optimize water delivery and maintain the integrity of its water systems as demand increases; while SCE's Express Solutions and Agricultural and Pumping Interruptible (AP-I) programs helped the Department save energy and money.

Margo Burns, Water Production Energy Conservation Technician II, a 20-year veteran, explains that "the Department has over 43,000 service connections serving more than 200,000 people; over sixty (60) groundwater production wells; fifty five (55) pumping stations; and over 550 miles of distribution and transmission water mains. The two keys to saving money," she says, "are maintaining the efficiency of our equipment, and using the correct SCE rate schedules and programs. We monitor system efficiency with SCE's

no-cost Pump Test Program. Financial incentives from SCE's Express Solutions help to rehabilitate poorly performing equipment, which results in savings of approximately \$300,000 a year."

Money Saving Programs for Water Services from SCE

Southern California Edison's Pump Test Program offers improved energy efficiency and system reliability to help control costs for water system customers. The service has been provided at no cost to participating customers for nearly 100 years. Available optional fee-based services, such as infrared panel inspection and cleaning, vibration detection analysis, meg-ohm testing, and industrial services, make it a one-stop resource for customers seeking to get the best return on their electricity dollars. SCE's Express Solutions helps water pumping customers adopt energy-efficient equipment and practices and take advantage of SCE's Demand Response Programs. With SCE's AP-I, customers like San Bernardino Water Department can earn a year-round monthly bill credit when they agree to temporarily interrupt electric service to their equipment during a power emergency.

Estimated Savings by Managing Energy

- *Location:* San Bernardino, CA
- *Industry:* Municipal/Water
- *SCE Programs Utilized:* Express Solutions, Agricultural & Pumping Interruptible (AP-I), and Pump Test Program
- *Results:* \$386,575 in incentives for pump rehabilitation under Express Solutions; over \$89,000 saved with AP-I; 4.7 million kWh saved

SAVED ANNUALLY

4.7 million kWh

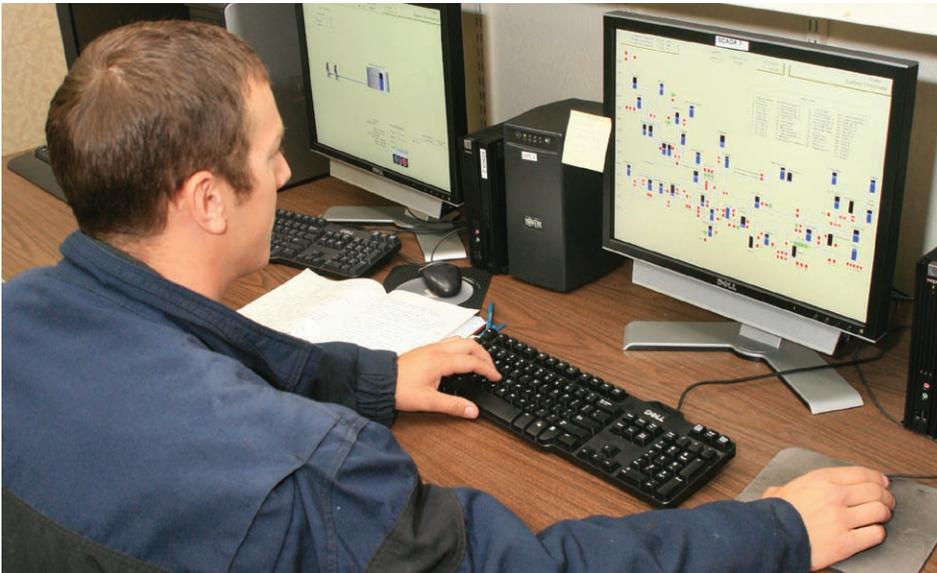
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SCE Programs Help The City of San Bernardino Municipal Water Department Maintain Quality and Save Money

About 24 percent of the San Bernardino Water Department's operating budget pays for electricity to power pumps, so calibrating the equipment with no-cost Pump Tests is a proven money-saver, and the rebates from Express Solutions help the city maintain the hardware at its highest level of efficiency. The Department reports savings in 2007 alone of 4.7 million kWh, and the city received \$386,575 in incentives for pump rehabilitations under Express Solutions. The result is pumping facilities that maximize energy efficiency and reduce operating costs,

savings which can affect the Department's water commodity rates. The Department has participated in SCE's AP-I Program since 1994. AP-I has contributed to maintaining system reliability while saving money.

SCE has performed free efficiency tests of water pumping systems for our customers since 1911, and today's efficiency test program continues to be offered at no cost. We've evolved to incorporate the latest in fluid flow and electronics measurement instrumentation to test thousands of pumps annually.



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Margo Burns, Water Production Energy Conservation Technician II

Earn Even More Savings with Other SCE Offerings

Southern California Edison offers a range of energy management solutions to help you better manage your electricity costs.

- Save more with other SCE Demand Response Programs which offer low cost ways to reduce your electrical bill for agreeing to temporarily reduce electricity usage during peak hours.
(866) 334-7827
www.sce.com/drp
- Purchase qualifying energy-efficient equipment or technologies and receive incentives and rebates through SCE's Express and Customized Solutions.
(800) 736-4777
www.sce.com/Express_Solutions
www.sce.com/Customized_Solutions
- Use Web-based tools such as SCE EnergyManagerSM Basic, SCE Cost Manager[®] and SCE Bill Manager[®] to monitor and track your electricity usage.
(888) 462-7078
www.sce.com/energymanager

For More Information

www.sce.com

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