

Energy Management Success Story



AEEP, AP-I and Free Pump Testing from Southern California Edison (SCE) Help The City of San Bernardino Municipal Water Department Maintain Quality and Save Money

Estimated Savings by Managing Energy

Location: San Bernardino, California

Industry: Municipal/Water

SCE Programs Utilized: Agricultural Energy Efficiency (AEEP), Agriculture and Pumping Interruptible (AP-I), and Pump Test Program

Single-year savings: \$386,575 in incentives for pump rehabilitation under the Agricultural Energy Efficiency Program (AEEP); over \$89,000 saved with Agriculture and Pumping Interruptible (AP-I); 4.7 million kWh saved, equivalent to keeping over 390 cars off the road for one year



Southern California Edison's no-cost pump test offers you increased energy efficiency, reduced costs, and improved system reliability.

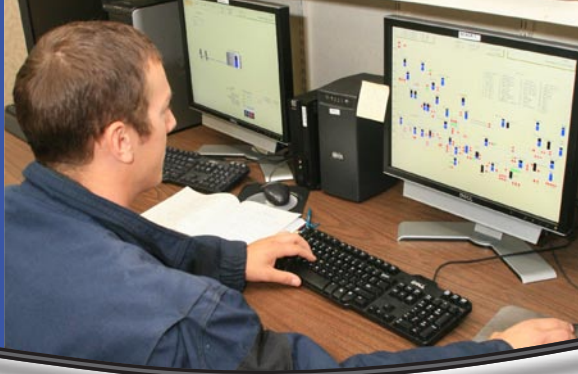
Savings and Service at San Bernardino Water Department with SCE's Pump Test Program

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 Agricultural Energy Efficiency Program (AEEP) and Agriculture 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 with SCE's AEEP help to rehabilitate poorly performing equipment, **which results in savings of approximately \$300,000 a year.**"



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.



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 AEEP 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.

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 AEEP 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 AEEP.** 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.

Earn Even More Savings with Other SCE Programs

- Earn incentives from **SCE's Demand Response Programs**, which reward you for reducing your electricity usage during times of peak demand. Learn more at www.sce.com/drp.
- Find out how the **Standard Performance Contract Program** (800.736.4777) can give you cash incentives for energy-saving retrofits of existing equipment or systems.

Start Saving Now

Agricultural Energy Efficiency Program (AEEP)

800.736.4777

Agricultural & Pumping Interruptible Program (AP-I)

800.206.9279

SCE's Hydraulic Pump Test Service **Contact your SCE representative**

Southern California Edison offers a range of programs such as cash incentives, energy surveys, and payment options to help you better manage your electricity costs.

This case study is provided for your general information and is not intended as a recommendation or endorsement of any particular product or company. Funding for this case study is provided by California utility customers and administered by SCE under the auspices of the California Public Utilities Commission.

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www.sce.com

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Your SCE Account Representative