

Energy Management Success Story



Trabuco Canyon Water District Improves Energy Efficiency and Saves With SCE'S IEEP

Estimated Savings by Managing Energy

Location: Trabuco Canyon, CA

Industry: Water

Savings to date: \$17,241 and 142,000 kWh, equivalent to keeping 142,000 lbs. of CO₂ out of the atmosphere

Financial incentive: \$8,161

SCE Programs utilized: SCE's Industrial Energy Efficiency Program (IEEP)

Results: Significant improvement in operations, maintenance, and quality

142,000
kWh
total
savings

Indirect
electricity savings:
40,000 kWh

Direct
electricity savings:
102,000 kWh

Indirect
cost savings:
\$ 5,000

Direct
cost savings:
\$ 12,241

\$17,241
total
savings



**Don Chadd, General Manager,
Trabuco Canyon Water District**

SCE's Industrial Energy Efficiency Program Delivers kWh Savings, Dollar Value and Helps Improve Quality for Trabuco Canyon Water District

"Ours is an unusually complex system," says Don Chadd, General Manager, Trabuco Canyon Water District, "with dramatic changes in elevation, 16 square miles of mountains and canyons, and 4,000 service connections in places where pressures vary greatly. We're looking for any measure we can take to keep water where we have it, and to avoid the costs of pumping and treating imported water from the Colorado River. **An improvement we just made with incentives from Southern California Edison (SCE) is helping us to do all that and more.**"

"One of our principal assets is Dove Lake," says Hector Ruiz, District Engineer. "It's a man-made lake with over 400 acre-feet of water. It's extremely important to our whole system. Optimizing the oxygenation, algae population and nitrate levels is critical, and it used to be a high-cost operation that needed daily maintenance. Now we use a new solar-powered mixer that we got with a financial incentive from



“Now we use a new solar-powered mixer that we got with an incentive from SCE, and it’s been an improvement across the board: better water quality, lower maintenance, and no electricity.”

Hector Ruiz, District Engineer,
Trabuco Canyon Water District



SCE, and it’s been an improvement across the board with the new technology: better water quality, lower maintenance, and no electricity is required to run it.”

Lower Costs, Greater Flexibility, and Cost Savings

“We use SCE for pump testing and other energy management programs,” Don continues, “but this kind of incentive was unprecedented. We have a tenacious SCE representative, though, and he worked with us to qualify for an incentive for this solar-powered mixer that accelerates the payback while we’re directly saving over 100,000 kWh per year. Indirectly, we’re saving much more. This new technology gives us an additional 30 million gallons of available recycled water, reducing the need to pump imported water during peak summer demand. **That saves as much as 40,000 kWh per year and up to \$5,000 annually in reduced electrical costs, plus several thousand more from not having to purchase as much imported water. Our maintenance and treatment costs are reduced, as well.**”

“The hardware should pay for itself in about four years,” Hector agrees. **“The additional savings on electricity and avoided costs and operational improvements mean that we can pass long-term savings along to our customers. We give a lot of credit to SCE for helping us make this step up.”**

Earn Even More Savings with Other SCE Programs

- The **Agricultural Energy Efficiency Program** (800.736.4777), helps water pumping customers adopt energy efficient equipment and practices and take advantage of SCE’s Demand Response Programs.
- Leverage long-term savings from your hardware improvements using **SCE Demand Response Programs**, which reward you for reducing your electricity usage during times of peak demand. Learn more at www.sce.com/drp or call 866.334.7827.
- SCE’s **Express Efficiency Program** at www.sce.com/express (800.736.4777) offers SCE business customers cash rebates toward the purchase and installation of qualified equipment for lighting, refrigeration, climate control, and food service that improves their facility’s energy efficiency.

Start Saving Now

SCE’s Industrial Energy Efficiency Program

Contact your SCE account representative or visit us online at www.sce.com/RebatesandSavings/LargeBusiness/Industrial

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.

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