



LA County Department of Parks & Recreation Energy Efficiency Mechanical Upgrades Case Study

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Free Customized Project Delivery Services Utilized

- ✓ Technical Review
- ✓ Incentive application assistance
- ✓ Audit and calculations
- ✓ Design/Scope of Work
- ✓ Project Management
- ✓ Construction Management Support

Situation Analysis

The Los Angeles County Department of Parks & Recreation enrolled in the The Energy Network in 2013, determined to make a significant reduction in their annual energy demand. The Energy Network worked alongside the Department to pinpoint energy reduction opportunities, and it was determined that several public pools had crucial inefficiencies in need of retrofitting. Inaction would have meant unnecessary energy spending and costly maintenance for years to come.

The Energy Network identified 13 pool sites ready for implementation, and immediately provided the city with technical evaluations for each site. Filtration pumps were found to be the most problematic, as the pumps were running constantly at full power, even when unoccupied. Variable frequency drives (VFD), which regulate the filtration pumps, were approved for installation. The seemingly small change to the filtration pumps added up to big savings; the Department is expected to have reduced their energy demand by 775,366 kWh annually.

The Energy Network is continuing to find more areas for potential energy savings. To date, the Department has received approval to complete more projects for pool pump retrofits at six additional facilities, along with 15 lighting projects around the county. The Department is determined to reduce their operating costs and energy demand at their public pools, thereby positioning themselves as an exemplary energy efficiency leader in Southern California.

Project Summary & Benefits

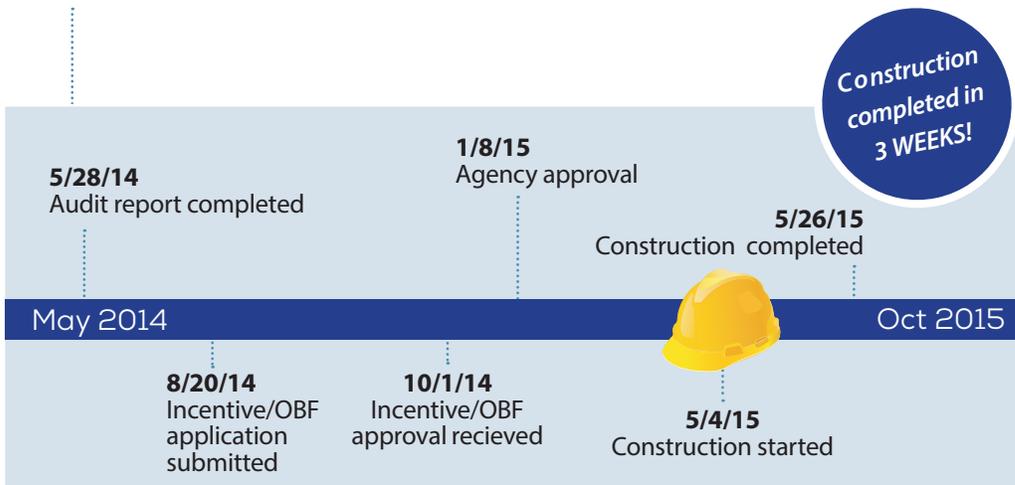
Using The Energy Network's Customized Project Delivery process, Los Angeles County's mechanical projects were completed in only 16 months, including incentive application approvals and construction. In total, 13 pool pumps at 13 facilities were retrofitted.

Key Savings

- **775,366**
kWh annual savings
- **\$118,719**
annual savings
- **\$112,585**
in utility incentives
- **80% savings**
in gross project costs

**Simple
Payback in
3 Months!**

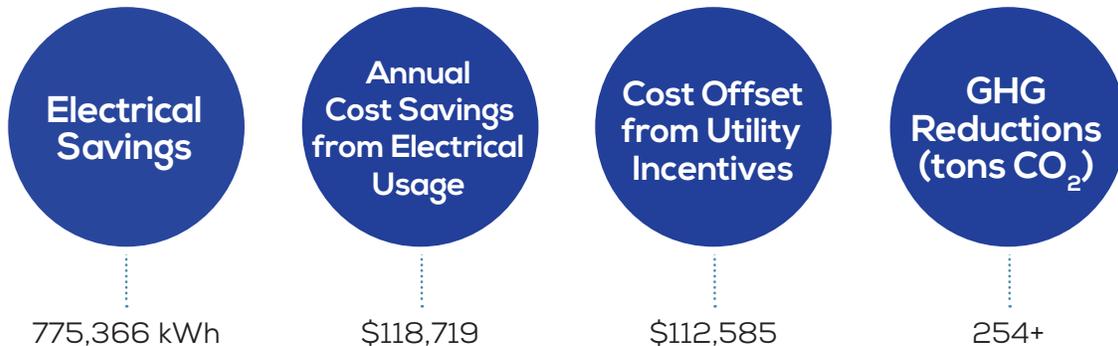
Timeline



Project Cost

Gross Project Costs	\$144,002
Incentives and Rebates	-\$112,585
Net Project Costs	\$31,417

Energy and Cost Savings Analysis



What is The Energy Network?

The Energy Network was created to harness the collective power of public agencies to achieve an unprecedented level of energy savings across Southern California. The Los Angeles County Department of Parks & Recreation's enrollment and commitment to work together to complete projects saves energy, saves money and improves our communities through overall shared environmental and economical benefits. For more information contact info@theenergynetwork.com or call (855) 700-NETWORK.

This Program is administered by the County of Los Angeles and funded by California utility ratepayers under the auspices of the California Public Utilities Commission