

# Energy Efficiency Program

June 2014

Delivering water to customers is an energy intensive process requiring water to be pumped throughout the distribution system. In 2007, Los Angeles County Waterworks Districts (LACWD) began its Energy Efficiency Program to improve the efficiency of its pumps and equipment. This program includes evaluating the efficiency of the pumps on a regular basis, replacing them with more efficient parts, and applying for rebates from Southern California Edison. Throughout the course of the program, LACWD saved over 3 Million kWh through 75 qualifying projects, which is enough power to supply 454 Californian homes. In addition to energy savings, LACWD was able to offset a portion of the costs with \$424,000 in rebates from Southern California Edison's Incentive Program.

Year	Qualifying Projects	kWh Savings	Peak kW Savings	Incentive Amount	Number of California Homes Powered Annually thru Waterworks Kilowatt Hours Saved	Average Metric Tons of Carbon Dioxide Emissions Saved
2007	2	496,413.0	116.2	\$39,713.02	72	215.9
2008	10	563,903.0	138.5	\$39,849.80	82	245.3
2009	2	20,781.0	4.2	\$1,749.40	3	9.0
2010	21	960,984.7	134.4	\$130,947.90	140	418.0
2011	9	406,999.4	31.0	\$58,827.47	59	177.0
2012	10	33,242.0	28.5	\$40,185.30	5	14.5
2013	21	587,185.8	132.6	\$112,938.91	93	255.4
<b>Total</b>	<b>75</b>	<b>3,069,508.9</b>	<b>585.4</b>	<b>\$424,211.80</b>	<b>454</b>	<b>1335.2</b>

