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.

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

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