



ANAHEIM OWNED. ANAHEIM FOCUSED.

# ANAHEIM PUBLIC UTILITIES

## RENEWABLE PORTFOLIO REPORT

In July 2003, Anaheim Public Utilities adopted a Renewable Portfolio Standard thereby committing to increase the amount of renewable energy in the resource mix. Anaheim's current resource goal is to have 20% renewable resources by 2015.

Anaheim is making a difference by purchasing "green power" - electricity generated from renewable energy resources that include solar, wind, hydropower, biomass and geothermal. Renewable energy has a number of benefits. It reduces dependence on imported energy and increases the use of clean energy technologies. Cleaner electricity also offsets harmful air emissions and slows global climate change. Below is Anaheim Public Utilities' Portfolio Label.

<b>ANAHEIM ENERGY PORTFOLIO - FY 2006/2007</b>	
<b>Resource Type</b>	<b>Percent (%) of Customer Requirements</b>
<b>Renewable Total</b>	<b>8.01%</b>
<i>Biomass and waste</i>	<i>0.00%</i>
<i>Geothermal</i>	<i>1.88%</i>
<i>Small hydroelectric</i>	<i>0.06%</i>
<i>Large hydroelectric</i>	<i>3.19%</i>
<i>Solar</i>	<i>0.00%</i>
<i>Wind</i>	<i>2.89%</i>
<i>Other Renewables</i>	<i>0.00%</i>
Coal	67.68%
Natural Gas	17.39%
Nuclear	6.91%
Other	0.00%
<b>Total Energy Portfolio</b>	<b>100.00%</b>

<b>Public Benefit Expenditures for Renewable Resources</b>	<b>FY 2006/2007 (\$)</b>	<b>Energy (GWh)</b>
Wind	\$1,125,435	75.029
Solar	\$45,669	0.015
Geothermal	\$731,671	48.778
<b>Renewable Total</b>	<b>\$1,902,775</b>	<b>123.822</b>

# Anaheim's Clean, Green Renewable Power Solutions

Anaheim Public Utilities' clean, renewable power supply solutions include solar electric generation, wind power, geothermal, power projects, renewable purchases and a number of financial incentive programs to increase the use of green power by our residential and business customers. Currently, more than 8 percent of Anaheim's power resources are from renewables. The City expects to be at 17.8 percent by 2010 and 20 percent by 2015. The following are existing projects and programs that promote clean power solutions in Anaheim:

## Renewable Power Purchases

- Anaheim is receiving 6 megawatts (MW) of wind power that is generated in Solano County, Calif., and 30 MW from Unita County, WY. These are long-term, wind-power purchasing agreements with PacificCorp Power Marketing, Inc.
- Anaheim is receiving up to 6 MW of geothermal energy from a plant located in Heber, Calif. (Ormat). The term is for 25 years and will supply enough electricity to power 10,000 single-story homes.
- Anaheim contracted with Base Power Partners, LP for 6 MW of Land Fill Gas (LFG) generation beginning in 2007.

## TreePower Program

- Shade trees provide cooling and aid in reducing summer air-conditioning costs for residents and businesses in a way that enhances the environment and beautifies the community.
- The program has distributed over 34,000 shade trees through the end of 2008 since was initiated in 1992.

## Green Power Program

- The Green Power for the Grid and Sun Power for Schools programs allow customers to voluntarily make donations through their utility bills to assist in the purchase of renewable resources or to help finance the construction of solar-powered facilities, such as lunch shelters at local schools. Learn more and sign up ...
- Since its inception in 2002, over 1,846 pledges by residences and businesses have been received. Contributions to date are close to \$57,476
- To date, four schools have installed solar energy systems for a combined power output of approximately 19 kilowatts (kW). This equates to approximately 28,000 kilowatt-hours (kWh) of energy, or enough to power five Anaheim homes.

## Solar Energy Rebates and Incentives

- Solar Energy incentive programs for both residential and commercial customers were implemented in 2001, to support new solar power generation installations throughout the City of Anaheim.
- The two programs offer a dollar-per-watt incentive on City of Anaheim-approved, grid-connected solar systems and have fostered over 208 kilowatts of solar generation by customers.

## Anaheim Solar Power Installations

- Solar electric generating systems are located at the Anaheim Convention Center, Deer Canyon Park Preserve restroom facility, Anaheim High School, Hermosa Village Community Center, and the Police Department East and Main stations. City systems also include 11 solar-powered warning signals at intersections near elementary schools and security lighting at the Anaheim Hills Golf Course parking lot. These projects total over 238 kW of power.

Future projects include the Energy Field that will provide green space for the community. Energy Field will feature solar electric picnic and play area shelters, an electric generating solar array along with California friendly landscaping and a field covered with synthetic turf.

### **Links**

#### [Renewable energy in Anaheim](#)

- Solar electric generating systems are located at the Anaheim Convention Center, Deer Canyon Park Preserve restroom facility and other locations. Facts and a video tour ...

#### [The Green Connection](#)

- Whether you are considering a whole house approach to energy efficiency with HIP or you are looking for specific equipment and measures, Anaheim Public Utilities probably has a program designed to assist you with your energy and water efficiency needs. Learn more ...