

AQUARIUM OF THE PACIFIC



The Aquarium of the Pacific opened to the public on June 20, 1998. It was first accredited by the Association of Zoos and Aquariums in 2000 and became the first among museums, zoos, and aquariums in the U.S. to join The Climate Registry in 2007. The Aquarium has had more than 23 million visitors and is home to more than 11,000 animals representing the Pacific Ocean.

Through its exhibits and programs, the Aquarium of the Pacific educates the public about the ocean and environment and illuminates the relationship humans have with both. The Aquarium demonstrates sustainability through initiatives to reduce its carbon footprint, and has committed to keeping the overall energy usage constant while increasing attendance and the number of exhibits.

Demonstrating sustainable energy and water reduction technologies at the Aquarium not only saves resources and reduces costs, but also it inspires the public to take action.



Watershed Exhibit

WWW.AQUARIUMOFPACIFIC.ORG
WWW.THECLIMATeregistry.org

“Since its opening in 1998, the Aquarium of the Pacific has grown its annual attendance while reducing its water use and greenhouse gas emissions, serving as a model of sustainability to other institutions and our visitors.”

John Rouse, Vice President of Operations



Aquarium Building

REDUCING ENERGY USE

Since 2007, the Aquarium has reduced its carbon footprint by 25% by constructing new buildings within the facility to meet LEED or Green Globes standards and participating in EnerNOC's (Energy Network Operations Center) demand response program. When the local energy provider announces a critical energy demand period, the Aquarium voluntarily reduces energy usage.

Maintaining the temperature of each of the more than fifty exhibits is the Aquarium's largest energy demand. To reduce excess pumping and maintain a more efficiently operating central plant, the Aquarium has initiated the following energy saving practices:

- The installation of energy saving devices, such as variable-speed drives and a differential pressure switch.
- The installation of 46kW of solar panels at three Aquarium locations.
- Served as a beta test site for Siemen's building management system, realizing an annual savings of 800,000 kWh.

The Cool Planet Project Program provides utility business and government customers with education and technical training to measure and manage their energy use and greenhouse gas emissions. The Cool Planet Project Program is funded by California utility rate payers and administered under the auspices of the California Public Utilities Commission, through a contract awarded to The Climate Registry. California customers who chose to participate in this program are not obligated to purchase any additional services offered by the contractor. This program is offered on a first-come, first-served basis from 2/1/2013-12/31/2015 or until funds are depleted. Terms and conditions apply. The trademarks used herein are the property of their respective owners.

REDUCING WATER USE

Since 2002, the Aquarium has incorporated several strategies to reduce water usage, including:

- The installation of dual flush toilets, waterless urinals, and touch-free sensor faucets, saving the Aquarium 960,000 gallons of water per year.
- The installation of 6,000 square feet of gardens featuring drought-tolerant and native plants. The Aquarium's Earth-Friendly Garden and Watershed Native Plant Garden thrive on little water and also create shelter and provide food for birds, bees, butterflies, and beneficial insects.
- The installation of drip irrigation helps to irrigate the gardens efficiently so minimal water is wasted.
- The utilization of a weather-based irrigation controller that customizes the watering schedule on a daily basis for the drought-tolerant plants and the minimal lawn to ensure all the areas receive the appropriate amount of water.

In recognition of their sustainability initiatives, the Aquarium has received the following awards:

- Voted the best green company to work for in 2014 in a survey conducted by the Los Angeles Daily News.
- Governor's Environmental and Economic Leadership Award in 2013.
- Super Nova Star Award as the most energy-efficient business with annual revenues under \$150 million by the Alliance to Save Energy in 2009.
- 2015 Recipient of Southern California Edison and The Climate Registry's Cool Planet Award in the education sector.