

New Hilton Foundation Headquarters Creates Regional Precedent for Sustainability and Savings

"When I think about this incredibly unique building, my hope is that in 100 years the people who will be working at the Conrad N. Hilton Foundation will walk around and say that somebody, some group, had tremendous foresight in designing a building that was not for the moment, but it was for generations to come." – Conrad N. Hilton Foundation Chairman of the Board Steven M. Hilton

Conrad Hilton, the man who started Hilton Hotels, established the Conrad N. Hilton Foundation in 1944. The Hilton Foundation provides funds to nonprofit organizations to improve the lives of disadvantaged and vulnerable people throughout the world

With plans to grow its renowned work, several years ago the Foundation acquired land in Agoura Hills, a suburban region just 30 miles northwest of downtown Los Angeles – yet seemingly hundreds of miles away.

Located in a hillside setting among oak trees and native plants, the 43-acre site's geography and habitat meshed perfectly with the Foundation's vision of a permanent work campus focused on energy efficiency, environmental sensitivity, and natural resource preservation.

Savings By Design Collaboration

This vision has resulted in a two-story, 22,240-square-foot facility that meets the U.S. Green Building Council's® Leadership in Energy and Environmental Design (LEED)® Platinum Certification, the highest designation provided.

The Foundation and its design team collaborated with SCE through our Savings By Design (SBD) program to achieve the highest levels of energy efficiency, with energy savings estimated at 82,800 kilowatt-hours annually.

The SBD program provides cash incentives and technical/design assistance to support sustainability-driven design planning and building construction, in turn helping to reduce operating costs; increase comfort, health, and productivity for building occupants; and conserve natural resources.

According to Katherine Miller, the Hilton Foundation's director of Campus Expansion, Facilities, and Workplace Services, SBD supported the Foundation's work to "continue on the path for sustainability that we can achieve on our property, along with energy savings. We're working with contractors on developing leading technology to inform the built environment; striving to be an industry role model; and using the facility for educational purposes to advance understanding of sustainable design and construction practices."

She added, "We hope our partnering with SBD allowed us all to learn more and advance the collective thinking around building in an environmentally sensitive and energy-efficient way, so as to coexist in harmony with our surrounding environments. Our entire project team was caught up in the mission to fashion this beautiful place with the utmost care and responsibility to future generations."

A Net-Zero Energy Future

Key integrated energy-saving and green technology features include:

- A passive downdraft HVAC system that circulates cool or warm air without fan use;
- A water-cooled chiller, combined with a cooling tower and pumps, which creates a system that is 50 percent more efficient than a stand-alone chiller;
- Green roofs to absorb rainfall and reduce the heat island effect;
- An automated external shading system limiting the direct sunlight entering the building;

- Maximum daylight as the primary light source for all work and circulation spaces;
- Improved interior lighting performance through use of strategies such as building orientation and light-reflecting materials;
- Electric car charging stations for employees' use; and
- A 115-kilowatt solar photovoltaic array that provides overall energy savings of 95 percent compared to a code-compliant building system.

The building's developers and architects focused on many other areas of environmental stewardship, including water efficiency, indoor air quality, use of responsible construction materials and practices, and much more.

But this is just the beginning for the Hilton Foundation's sustainable campus. Its four-phase plan eventually will result in more than 90,000 square-feet of building space with a goal, Miller noted, of achieving net-zero energy use on the campus, without any carbon offsets, while continuing the Foundation's artful encounter between nature and technology.

Project contractors:

- Project Manager: Bigelow Development Associates
- Architect/Interior Designer: ZGF Architects LLP
- General Contractor: MATT Construction

To learn more about SCE energy management solutions, ways to reduce your energy usage, and manage your energy costs, visit us [online](#) or call your SCE Account Manager.



Conrad N. Hilton Foundation

SCE Programs Utilized: Savings By Design

Results: Estimated energy savings of approximately 82,800 kWh and 36 kW of demand annually, a customer incentive of nearly \$37,000, and a design team incentive of nearly \$9,500.

To learn more about Savings By Design, visit savingsbydesign.com and energydesignresources.com.

This case study is provided for your general information and is not intended to be a recommendation or endorsement of any particular product or company, or a representation of any actual or potential future energy or monetary savings for other customers.

These programs are funded by California Utility ratepayers and administered by SCE under the auspices of the California Public Utilities Commission (CPUC). Programs are offered on a first-come, first-served basis and are effective until funding is expended or the program is discontinued. Programs may be modified or terminated without prior notice.

The information contained herein does not replace pricing information contained in any CPUC-approved tariff. Please refer to the tariffs for the programs described for a complete listing of terms and conditions of service, which can be viewed online at sce.com/regulatory.

Your Resource for Power Outage Information

Learn more about our processes for maintenance and repair power outages, as well as outage communication resources and tools, at one of our upcoming free 1.5-hour Customer Outage Schools being held throughout the region. All courses take place from 10 a.m. to 11:30 a.m. Upcoming dates and locations include:

- September 5, Goleta
- October 12, Torrance
- October 13, Cathedral City
- October 17, Broadcast via Skype
- October 24, Long Beach
- October 26, Goleta

For registration, visit our [Outage School Registration Page](#). Also find more resources at our [online Outage Center](#).

Register Today for SCE's Annual Water Conference: Sept. 12-13



Don't miss out on SCE's 23rd Annual Water Conference, a FREE two-day engaging and informative event that will address topics highlighting challenges faced by the California water sector, as well as the critical water-energy nexus.

Specifically, the event will cover state and regional issues; share updates on efforts to advance energy and water policy initiatives; and provide an opportunity to hear from representatives of businesses that have successfully implemented energy efficiency, Demand Response, and other energy-related technologies to help manage their water use.

We're here to demonstrate new and creative ways to save energy, money, and the environment.

Where and When

- Sept. 12-13, 2017
- SCE Energy Education Center-Irwindale, 6090 N. Irwindale Ave., Irwindale, CA 91702

Who Should Attend

- Business decision-makers in water/wastewater agencies
- Facility managers and operators
- Engineers
- Technicians and maintenance workers
- Energy/water analysts and consultants

Workshops and Classes

Free scheduled workshops and classes at the conference include:

- All Things Renewable
- Time-of-Use Rates and Money-Saving Strategies for Water Customers (new for 2017)
- Outage Communication for Water Customers
- California-Friendly Landscape Training (new for 2017)
- Cooling Towers: Water-Energy Savings Opportunities (new for 2017)
- Pump Testing and Improving Your Pumping Plant Efficiency

The Water Conference will begin the morning of Sept. 12 with a General Session featuring a number of distinguished industry speakers, including scheduled keynote speaker Mary Ann Dickinson, president and CEO of the Alliance for Water Efficiency.

For more information, the full schedule, and to register, visit scewaterconference.com.

Mark Your Calendars for Nov. 2

Our free 8th Annual Water Conference at the SCE Energy Education Center-Tulare in the Central Valley will take place Nov. 2, 2017, also providing an outstanding opportunity to learn, interact, and move forward in the fields of drought management, water efficiency, and energy management practices. Check back for more details at scewaterconference.com.

SCE to Help REALTORS® Get Energy Smart

At the upcoming CALIFORNIA REALTOR® EXPO, taking place Oct. 10-12, 2017, at the San Diego Convention Center, SCE will host a booth and provide REALTORS® with valuable information on energy and energy efficiency to help them sell residential or commercial properties. Topics to be covered in an SCE presentation on Oct. 12 from 2 p.m. to 3 p.m. on Stage 1 include “Solar 101 for Real Estate Professionals”; residential property energy efficiency programs and incentives; and income-qualified bill assistance for eligible customers. Learn more about the expo [here](#), plus additional information about SCE’s wide array of energy- and money-saving solutions at sce.com.