Southern California
REGIONAL ENERGY NETWORK

PROGRAM SUMMARY AND RESULTS OVERVIEW

County of Los Angeles
Southern California Regional Energy Network

2018

Agencies Participating in the SoCalREN

COUNTIES: County of Los Angeles • County of Orange • County of Santa Barbara

CITIES: City of Alhambra • City of Arcadia • City of Avalon • City of Barstow • City of Beaumont • City of Beverly Hills • City of Brea • City of Buena Park • City of California City • City of Camarillo • City of Carpinteria • City of Chino • City of Claremont • City of Corona • City of Costa Mesa • City of Covina • City of Culver City • City of Diamond Bar • City of Downey • City of Duarte • City of Fontana • City of Fullerton • City of Garden Grove • City of Hemet • City of Hesperia • City of Highland • City of Huntington Beach • City of Irvine • City of La Habra • City of La Palma • City of La Puente • City of Laguna Niguel • City of Laguna Woods • City of Lakewood • City of Lancaster • City of Long Beach • City of Los Angeles • City of Lynwood • City of Malibu • City of Maywood • City of Mission Viejo • City of Monrovia • City of Montclair • City of Monterey Park • City of Moreno Valley • City of Murrieta • City of Newport Beach • City of Norwalk • City of Orange • City of Oxnard • City of Palmdale • City of Perris • City of Placentia • City of Pomona • City of Rancho Cucamonga • City of Rancho Mirage • City of Rancho Santa Margarita • City of Redlands • City of Rialto • City of San Bernardino • City of San Dimas • City of Santa Ana • City of Santa Barbara • City of Santa Clarita • City of Santa Monica • City of Santa Paula • City of Signal Hill • City of Simi Valley • City of South El Monte • City of South Pasadena • City of Temecula • City of Temple City • City of Thousand Oaks • City of Tustin • City of Ventura • City of Visalia • City of West Covina • City of West Hollywood • City of Whittier • City of Yorba Linda

WATER AGENCIES: Carpinteria Sanitary District • City of Los Angeles Bureau of Sanitation • Coachella Valley Water District • Cucamonga Valley Water District • Eastern Municipal Water District • Foothill Municipal Water District • Goleta Sanitary District • Idyllwild Water District • Inland Empire Utilities Agency • Jurupa Community Services District • Lake Arrowhead Community Services District • Las Virgenes Municipal Water District • Ojai Valley Sanitary District • Orange County Sanitation District • Pleasant Valley County Water District • Running Springs Water District • Tulare Irrigation District • United Water Conservation District • Western Municipal Water District • Western Riverside County Regional Wastewater Authority • Yucaipa Valley Water District

SCHOOL DISTRICTS: Alhambra Unified School District • Antelope Valley Union High School District • Bridges Charter School • Conejo Valley School District • Moorpark Unified School District • Orange Unified School District • Oxnard Union High School District • Rio School District • Santa Monica Malibu Unified School District • Ventura Unified School District

OTHER AGENCIES: Channel Islands Beach Community Services District • Conejo Recreation and Parks District • North Net Training Center • The Port of Hueneme, Oxnard Harbor District
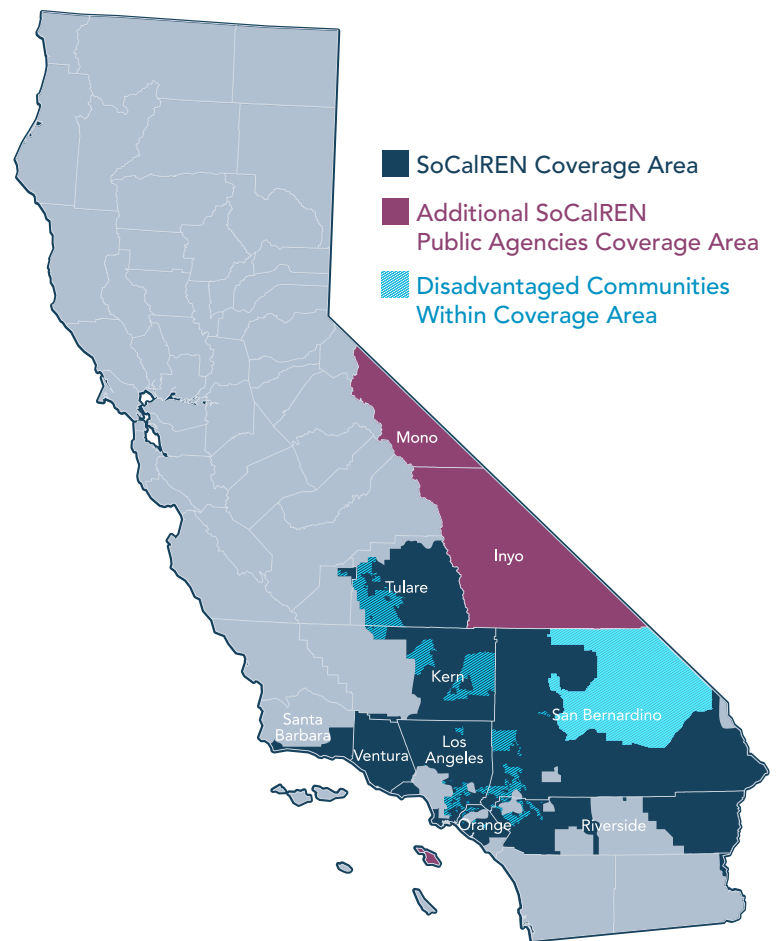
Established in 2012 under the authority of the California Public Utilities Commission (CPUC), the **Southern California Regional Energy Network (SoCalREN)** provides energy efficiency programs and services to residents, businesses, and public agencies. The SoCalREN serves customers located in the areas that receive electricity and gas from Southern California Edison (SCE) and SoCalGas®. The County of Los Angeles Internal Services Department, Office of Energy and Environmental Service (EES), administers and oversees the activities and budgets of the SoCalREN. Four primary programs were offered through the SoCalREN during 2018: **Public Agency**, **Multifamily**, **Workforce Development**, and **Single-Family**.

During 2018, the EES continued to focus on streamlining SoCalREN offerings and ensuring the most efficient use of funds to impact the greatest number of people throughout all County districts and the surrounding areas served by the SoCalREN. In addition, expanding the reach of the SoCalREN within Disadvantaged Communities (DAC) remained a priority, with a large percentage of projects implemented in DAC ZIP codes.
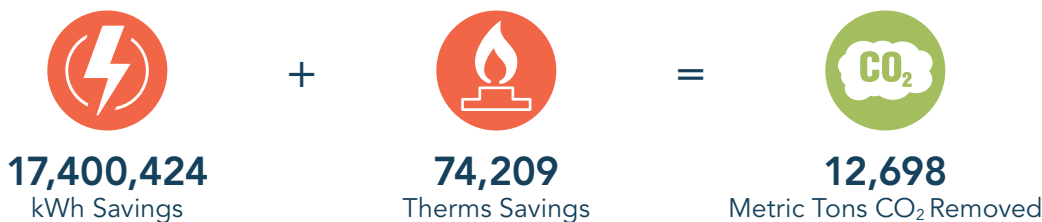
As the EES looks ahead to 2019, the SoCalREN will continue to refine offerings, including an enhanced Multifamily Program, and expanding the reach of both the Workforce Development and Public Agency programs.

Through the programs offered by the SoCalREN, the County is able to help a wide variety of stakeholders incorporate energy efficiency into their careers, homes, and businesses. This Program Summary provides an overview of each SoCalREN offering, along with 2018 program results.

■ SoCalREN Coverage Area

■ Additional SoCalREN Public Agencies Coverage Area

▨ Disadvantaged Communities Within Coverage Area

SoCalREN: Energy Savings and Environmental Impacts
2018 Program Results

17,400,424
kWh Savings

+

74,209
Therms Savings

=

12,698
Metric Tons CO_2 Removed
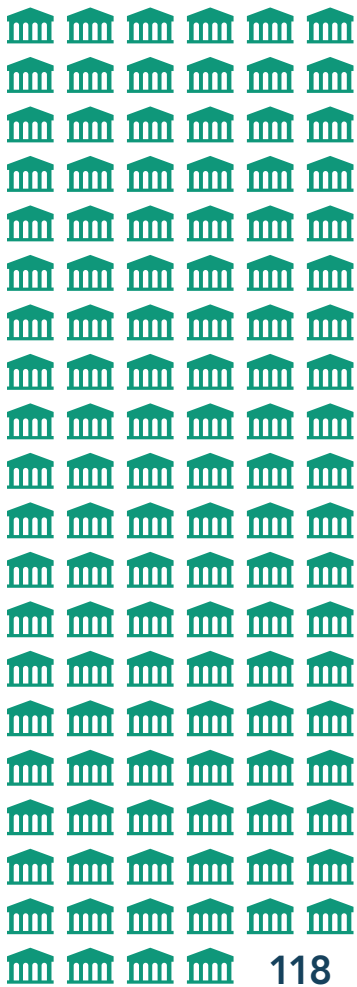
PUBLIC AGENCY ENERGY EFFICIENCY PROJECT DELIVERY PROGRAM

Agencies Served

118

2018 Program Results

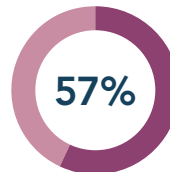**15.6 Million**
kWh Savings

273
kW Savings

9,509
Therms Savings

234
Construction
Jobs Created

57% of cities served have Disadvantaged Communities

Huntington Beach Library staff give public agency representatives a tour of energy efficiency improvements made in the facility.

The SoCalREN Public Agency Program offers customized, comprehensive technical support services to public agencies to enable them to implement deeper and more cost-effective energy upgrades and energy management practices.

The support provided to public agencies, including cities, counties, water agencies, school districts, and other special districts through the Program has led to the implementation of **599 energy and/or water efficiency projects** in publicly owned facilities throughout Southern California since 2013. In the 2018* calendar year, the Program continued stellar performance, **serving 118 public agencies**, **completing 95 energy/water efficiency projects**, and producing approximately **15.6 million kWh** and **9,509 therms** in energy savings. Moreover, **57% of the Program's participating cities are underserved and are classified as Disadvantaged Communities**.

The SoCalREN Public Agency Program is the first fully-integrated, customized program serving public agency facilities and buildings. The Program was designed to fill gaps in existing programs, to address technical, design, implementation, and financing resource barriers, and to provide the expertise necessary to implement meaningful energy efficiency projects. Other services include building performance benchmarking and reporting and offering a framework for persistent energy performance and building performance reporting.

More specifically, the Program offers a full spectrum of start-to-finish services, including:

- Customized guidebooks and templates for energy efficiency measures, tailored for local government needs.

- Technical support, including building audits, measure performance specifications, and scope of work development.

- Procurement support, including access to a simplified and transparent procurement pathway through Sourcewell.

- Direct support in identifying and accessing financing, including available rebates and incentives, as well as financing application support and access to a financial advisor.

- Creation of tailored and project-specific pro-formas that demonstrate advantages of deep retrofit implementation strategies.

- A growing resource library of case studies and best practices.

A strong pipeline of projects has been identified for 2019 and beyond, with the combined potential for up to 48.5 million in kWh and more than 58,000 therms in energy savings.
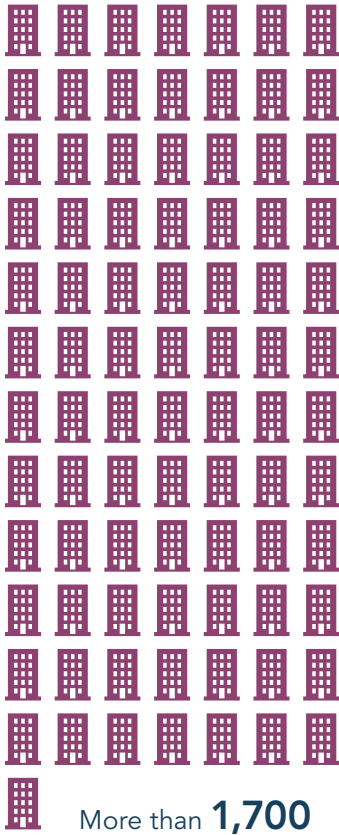
Interior and exterior lighting was improved at the Simi Valley Senior Center.

*Data as of 05/01/2019.

MULTIFAMILY PROGRAM

Multifamily Units Improved

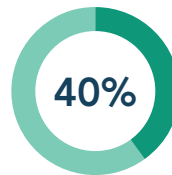More than **1,700**

2018 Program Results

1.75 Million
kWh Savings

113
kW Savings

52,671
Therms Savings

40% of Completed Projects in Disadvantaged Communities

The Multifamily Program touches a number of stakeholders, from the utility service provider to property owners and residents. The program provides business opportunities for consultants, building Raters and contractors.

Program objectives, as stated in the 2019 Joint Program Administrator Joint Cooperation Memo, include:

- Cost-effectively improve the efficiency of multifamily buildings through custom comprehensive retrofits.

- Provide a turnkey solution with financial incentives so property owners can adopt new and more efficient technologies and/or equipment, thus reducing energy waste.

- Leverage cross-cutting companion SoCalREN programs to drive participation in energy efficiency upgrades.

- Primarily target hard-to-reach and Disadvantaged Community (DAC) multifamily properties.

In addition to the cost-saving benefits of energy efficiency (for both owners and tenants), residents can benefit from a safer, healthier, and cleaner living environment. Building owners can also enjoy increased property values and command higher rents in market-rate buildings. Education about energy efficiency can help tenants and building operators adopt sustainable practices in other areas of their lives, such as work or transportation. The successful completion of a Multifamily project that addresses the needs of stakeholders at all levels is an effort that is meaningful both financially and toward conserving the earth's resources.

During 2018, more than **1,700 tenant units were improved**, generating **1,750,044 kWh** and **52,671 therms** in energy savings. The average project resulted in **18.97% total energy savings** and earned property owners an average of **$130,588 in incentive dollars** toward the installed and verified energy-saving improvements. Approximately **40% of 2018 projects were located in DAC ZIP codes**.
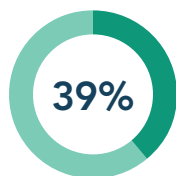
The program is actively engaging participants for 2019, building a robust pipeline of projects that will generate further energy savings and environmental benefits.
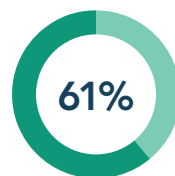
WORKFORCE DEVELOPMENT PROGRAM

2018 ACES Gender Demographics

39% · **134** Female Participants

61% · **206** Male Participants

2018 ACES School Partners   Total Participants

School	Total Participants
STEAM High School	**116**
Boyle Heights Technology Youth Center	**30**
NOW Academy	**62**
Alhambra Unified	**35**
Bernstein STEM Academy	**48**
Mendez High School	**49**

The Workforce Development Program was launched as a support system to provide training, tools, and opportunity to minority participants across the region, focusing on energy and water efficiency measures and installations.

The program offers a variety of services and resources to help provide education and employment opportunities for students and workers in Disadvantaged Communities.

- **ACES Engineering Pathway Program**. Architecture, Construction, Engineering Students (ACES) exposes high school students to clean-energy careers in the architecture, engineering, and construction industries. During 2018, students completed internships with a variety of public and private partners, including the City of Huntington Park, Skanska Construction, and CNC Engineering.

- **E-Contractor Academy** prepares small and minority contractors to compete and perform energy efficiency retrofit projects for the MUSH (municipalities, universities, schools, hospitals) sector through a series of seminars and post-graduation capacity building support. RBT Electric, Inc., a small, minority, disabled-veteran firm, with the support of the E-Contractor Academy team, successfully obtained a contract with the LA County Antelope Valley Field Office PV System Project valued at nearly $750,000.
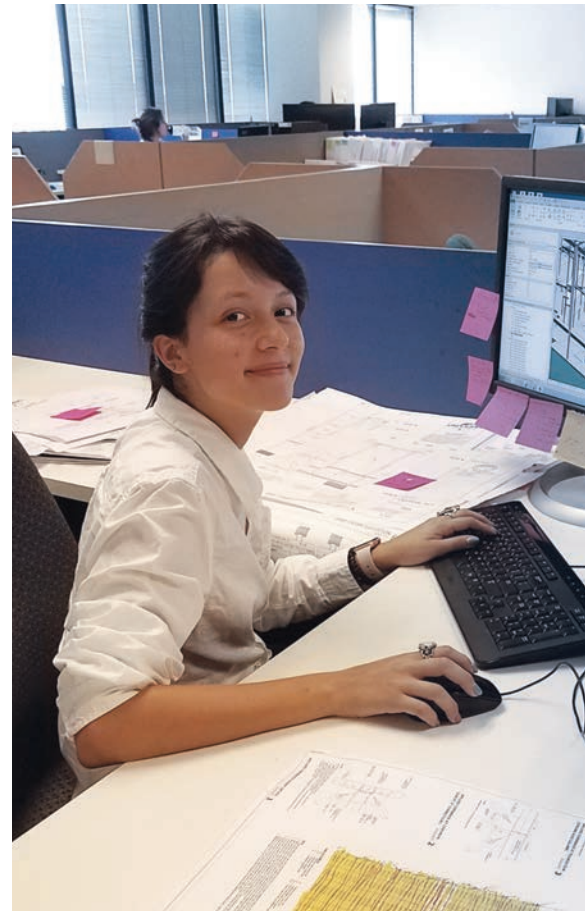
The Workforce Development Program also supports the goals of the County's Local Worker Hiring Program, establishing partnerships with local community colleges, community-based training organizations, pre-apprenticeship programs, and apprenticeship programs to connect disadvantaged workers to energy contractors and job opportunities. Apprenticeship and Workforce Support Services guides have been developed to help local workers evaluate apprenticeship pathways and career opportunities. Each resource guide provides an asset directory of programs and services available through agencies, community colleges, and community-based organizations in the counties of Los Angeles, Orange, Riverside, San Bernardino, and Ventura.

Educators and students at six area schools participate in the ACES Program.

SINGLE-FAMILY RESIDENTIAL PROGRAM

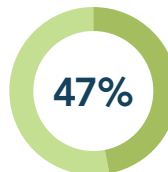## Homes Improved: 2013–2018

2,006

2018 Program Results

59,851
kWh Savings

114
kW Savings

12,028
Therms Savings

47% of Homes Upgraded in Disadvantaged Communities

Between 2013 and 2018, the Single-Family Residential Program provided numerous benefits to homeowners throughout the SoCalREN service area, including increased home energy efficiency, comfort, air quality, and financial incentives for home upgrades.

Through the many years that the Single-Family Residential Program was offered, **2,006 homes** were improved, of which **35% were in DAC ZIP codes**. The improvements made in these 2,006 homes generated more than **1.2 million kWh**, **2,132 kW** and nearly **140,000 therms** of energy savings. During 2018, **161 homes** were served, saving nearly **60,000 kWh** and more than **12,000 therms**.

Los Angeles County made the decision, mid-year, to discontinue the Single-Family Residential Program provided by the SoCalREN. The County shifted resources to other programs that are more cost-effective, and that ultimately provide benefits to more people.

Stakeholders who participated in the Single-Family Program were provided with resources and directed to other programs to help them navigate through energy efficiency projects. On the SoCalREN website, area homeowners interested in making home energy efficiency improvements are provided with a variety of resources and links to rebate and incentive programs offered by local utilities.

NEW SOCALREN WEBSITE • SOCALREN.ORG

During 2018, the SoCalREN developed and launched a new website, bringing all program offerings under one single site for the first time.

Residents, business owners, public agency representatives, and others can find out about SoCalREN programs, complete interest forms, contact the program teams for support, and gain access to helpful resources.

Located at socalren.org, the site is fully responsive, providing a seamless user experience across different device types. The website received **9,432 visits** from **5,630 users** from the May 1 launch date through December 31.