

10
YEARS

SoCalREN 

Empowering
Sustainable Communities



2012–2022

Board of Supervisors Report





The logo features the number '10' in a large, bold, blue font. The word 'YEARS' is written in a smaller, white, sans-serif font, positioned vertically along the right side of the '0'.

10
YEARS

SoCalREN 
Empowering
Sustainable Communities

Celebrating 10 Years
of SoCalREN empowering sustainable communities
by creating pathways toward a greener future



Contents

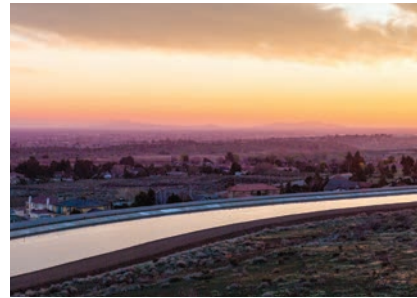
p. 1

—
Agencies Enrolled
in SoCalREN



p. 3

—
Welcome



p. 5 Introduction

p. 9 Workflow • Achievements • Milestones

p. 12 Supporting Climate Action in SoCal Communities

p. 12 Helping To Finance Community Energy Upgrades

p. 13 Building Tomorrow's Clean Energy Workforce

p. 13 Bringing Energy Efficiency Home for Southern California

p. 15 Regional Partners Support Local Action



SoCalREN
Empowering
Sustainable Communities

p. 17 Energy Equity

p. 19 Palmdale Drives Sustainability in the Antelope Valley

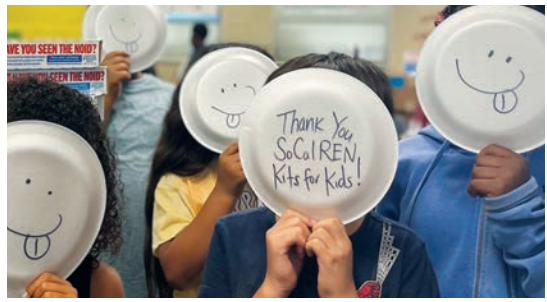
p. 21 Energy Efficiency in Rural Schools

p. 24 ACES Pathway Program Paves the Way for Title I Students
To Explore STEAM Careers



p. 51

Future Outlook



p. 25 Job Creation

- p. 28 SoCalREN Regional Workforce Alliance
- p. 29 Ongoing Retrofit Projects Create Jobs in Culver City
- p. 31 Local Contractors Grow With SoCalREN's Multifamily Program
- p. 34 Future Green Leaders Summit

p. 37 Carbon Reduction

- p. 40 Energy-Saving Classroom Kits Support California's Carbon Reduction Goals
- p. 41 Enrolled Public Agencies Driving Decarbonization at the Local Level
- p. 44 Long Beach Continues Journey to Decarbonization
- p. 46 Santa Monica Recognized as a Global Environmental Leader
- p. 47 U.S. Army Prioritizes Climate Action Through Building Upgrades
- p. 50 Kits for Kids Helps Rialto ISD Students Reduce Carbon Emissions at Home

Agencies Enrolled in SoCalREN



SoCalREN 
Empowering
Sustainable Communities

CITIES: Adelanto • Apple Valley • Alhambra • Arcadia • Artesia • Avalon • Baldwin Park • Barstow • Beaumont • Bell • Bell Gardens • Beverly Hills • Bishop • Bradbury • Brea • Buena Park • Burbank • California City • Camarillo • Carpinteria • Carson • Chino Hills • Claremont • Corona • Costa Mesa • Covina • Cudahy • Culver City • Diamond Bar • Downey • Duarte • El Monte • El Segundo • Farmersville • Fontana • Fullerton • Garden Grove • Gardena • Hanford • Hawthorne • Hemet • Hermosa Beach • Hesperia • Highland • Huntington Beach • Huntington Park • Indian Wells • Industry • Inglewood • Irvine • Irwindale • La Habra • La Mirada • La Palma • La Puente • La Verne • Laguna Beach • Laguna Niguel • Laguna Woods • Lake Forest • Lakewood • Lancaster • Lawndale • Lindsay • Lomita • Long Beach • Los Angeles • Lynwood • Malibu • Manhattan Beach • Maywood • Mission Viejo • Monrovia • Montclair • Montebello • Monterey Park • Moreno Valley • Murrieta • Newport Beach • Norwalk • Orange • Oxnard • Palmdale • Paramount • Perris • Pico Rivera • Placentia • Pomona • Rancho Cucamonga • Rancho Mirage • Rancho Palos Verdes • Rancho Santa Margarita • Redlands • Redondo Beach • Rialto • Rolling Hills Estates • Rosemead • San Bernardino • San Dimas • San Gabriel • San Luis Obispo • Santa Ana • Santa Barbara • Santa Clarita • Santa Fe Springs • Santa Monica • Santa Paula • Seal Beach • Signal Hill • Simi Valley • South El Monte • South Pasadena • Stanton • Temecula • Temple City • Thousand Oaks • Torrance • Tulare • Tustin • Ventura • Victorville • Visalia • Walnut • West Covina • West Hollywood • Westlake Village • Westminster • Whittier • Woodlake • Yorba Linda

COUNTIES: Kings • Los Angeles • Orange • San Bernardino • San Luis Obispo • Santa Barbara • Ventura



130 CITIES

35 SCHOOL
DISTRICTS

34 WATER AGENCIES

7 COUNTIES

12 OTHER AGENCIES

WATER AGENCIES: Bridgeport Public Utility District • Carpinteria Sanitary District • City of Los Angeles Bureau of Sanitation • Coachella Valley Water District • Crescenta Valley Water District • Cucamonga Valley Water District • East Orange County Water District • East Valley Water District • Eastern Municipal Water District • El Toro Water District • Elsinore Valley Municipal Water District • Foothill Municipal Water District • Goleta Sanitary District • Idyllwild Water District • Inland Empire Utilities Agency • June Lake Public Utilities District • Jurupa Community Services District • Lake Arrowhead Community Services District • Las Virgenes Municipal Water District • Montecito Sanitary District • Ojai Valley Sanitary District • Orange County Sanitation District • Palmdale Water District • Pleasant Valley County Water District • Running Springs Water District • Santa Margarita Water District • South Orange County Wastewater Authority • Three Valleys Municipal Water District • Tulare Irrigation District • United Water Conservation District • Upper San Gabriel Valley Municipal Water District • Western Municipal Water District • Western Riverside County Regional Wastewater Authority • Yucaipa Valley Water District

SCHOOL DISTRICTS: Alhambra Unified • Antelope Valley Union High School • Azusa Unified • Baldwin Park Unified • Bellflower Unified • Beverly Hills Unified • Bridges Charter School • Buellton Union • Colton Joint Unified • Conejo Valley • Culver City Unified • El Monte Union High School • El Segundo Unified • Fontana Unified • Fullerton Joint Union High School • Green Dot Public Schools • Irvine Unified • Monrovia Unified • Moorpark Unified • Newport-Mesa Unified • Ocean View • Orange Unified • Oxnard Union High School • Pleasant Valley • Pomona Unified • Redondo Beach • Rio Unified • San Bernardino City Unified • Santa Ana Unified • Santa Barbara Unified • Santa Monica Malibu Unified • Torrance Unified • Val Verde Unified • Ventura Unified

OTHER AGENCIES: Blanchard/Santa Paula Library District • Channel Islands Beach Community Services District • Conejo Recreation and Parks District • East Kern Health Care District • Eastern Sierra Community Service District • Foothill Transit • Hilton Creek Community Services District • Metrolink • North Net Training Center • Port of Hueneme, Oxnard Harbor District • South Coast Air Quality Management District • Stallion Springs Community Services District



Welcome



SoCalREN 
Empowering
Sustainable Communities

Over the past decade, the Southern California Regional Energy Network (SoCalREN) has provided a strong foundation for regional energy efficiency and resiliency across the public, residential, and workforce education and training (WE&T) sectors.

Our programs have resulted in a regional GHG reduction of nearly 100,000 MTCO₂e and the creation of more than 1,500 clean energy industry jobs—with a focus on ensuring that the majority of program benefits and services are delivered within underserved communities.

SoCalREN exemplifies the power of collective climate action. And, with the recent California Public Utilities Commission (CPUC) approval of SoCalREN's \$583 million 2024–2031 budget request, we can redouble our efforts over the next decade.



Minh S. Le
*General Manager
Energy and Environmental Service*



Lujuana Medina
Manager of Environmental Programs



Introduction

What would become SoCalREN began as an initiative to accelerate regional energy efficiency, initially funded in 2009 by the U.S. Department of Energy (DOE) via the American Recovery and Reinvestment Act (ARRA) and later authorized by the CPUC under D.11-12-015. The County of Los Angeles Internal Services Department (ISD) Energy and Environmental Service (EES) is proud to be a part of the progress toward achieving state and local clean energy goals through its ongoing administration of SoCalREN.

California's ambitious climate action goals include reducing emissions to 40 percent of 1990 levels by 2030 and achieving carbon neutrality by 2045. LA County's regional sustainability plan—OurCounty¹—is the boldest in the nation, directly supporting these goals as well as regional efforts to

improve energy equity and prepare local workers for the clean energy transition. This report details SoCalREN's successful and ongoing commitment to enabling energy and environmental equity, strengthening the local workforce, and driving climate action through carbon reduction.



DELIVERING

Climate and
Energy Impacts



95,000+
MTCO₂e GHG
avoided^{2,3}



\$12+ Million
Social cost of carbon avoided⁴



\$25+ Million
Energy cost savings for
public agencies, multifamily
communities, and households⁵

BUILDING

Energy Capacity and
Economic Resilience



\$50+ Million
Energy incentives back into
local economies



1,500+
Jobs created⁶



218
Enrolled public agencies
across 13 counties

EXPANDING

Access to Energy
Efficiency



Over 50%
Participation in
underserved communities



75,000+
Households impacted



20,000+
Students and
workers educated

² All energy savings are recorded in the California Energy Data and Reporting System (<https://cedars.sound-data.com/>)

³ Environmental impact equivalencies noted throughout this report were calculated using the U.S. Environmental Protection Agency's Greenhouse Gas Equivalencies Calculator (www.epa.gov/energy/greenhouse-gas-equivalencies-calculator)

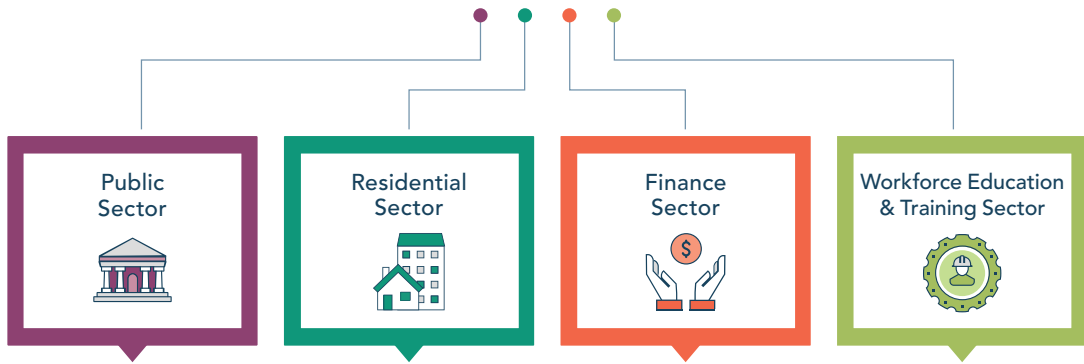
⁴ Construction conversion to jobs = Gross Project Cost/\$92,000 per the American Recovery and Reinvestment Act of 2009 Guidance to Agencies on Estimating Job-Years from Government Spending (<https://obamawhitehouse.archives.gov/administration/eop/cea/Estimate-of-Job-Creation/>)

⁵ Based on U.S. Energy Information Administration average California utility costs of \$0.1800 per kWh

⁶ Calculated using the tool developed by the federal government's Interagency Working Group on the Social Cost of Greenhouse Gases (<https://costofcarbon.org/>)

10
YEARS

SoCalREN
Empowering
Sustainable Communities



- Public Sector**
- Energy Efficiency Project Delivery Program
 - Metered Savings Program
 - Pathway to Zero
 - Streamlined Savings Pathway

- Residential Sector**
- Multifamily Program
 - Kits for Kids Program

- Finance Sector**
- Revolving Savings Fund

- Workforce Education & Training Sector**
- WE&T Program
 - + Architecture Construction Engineering Students (ACES)
 - + E-Contractor
 - + Green Path Careers (GPC)

Total Completed Projects* Per Year

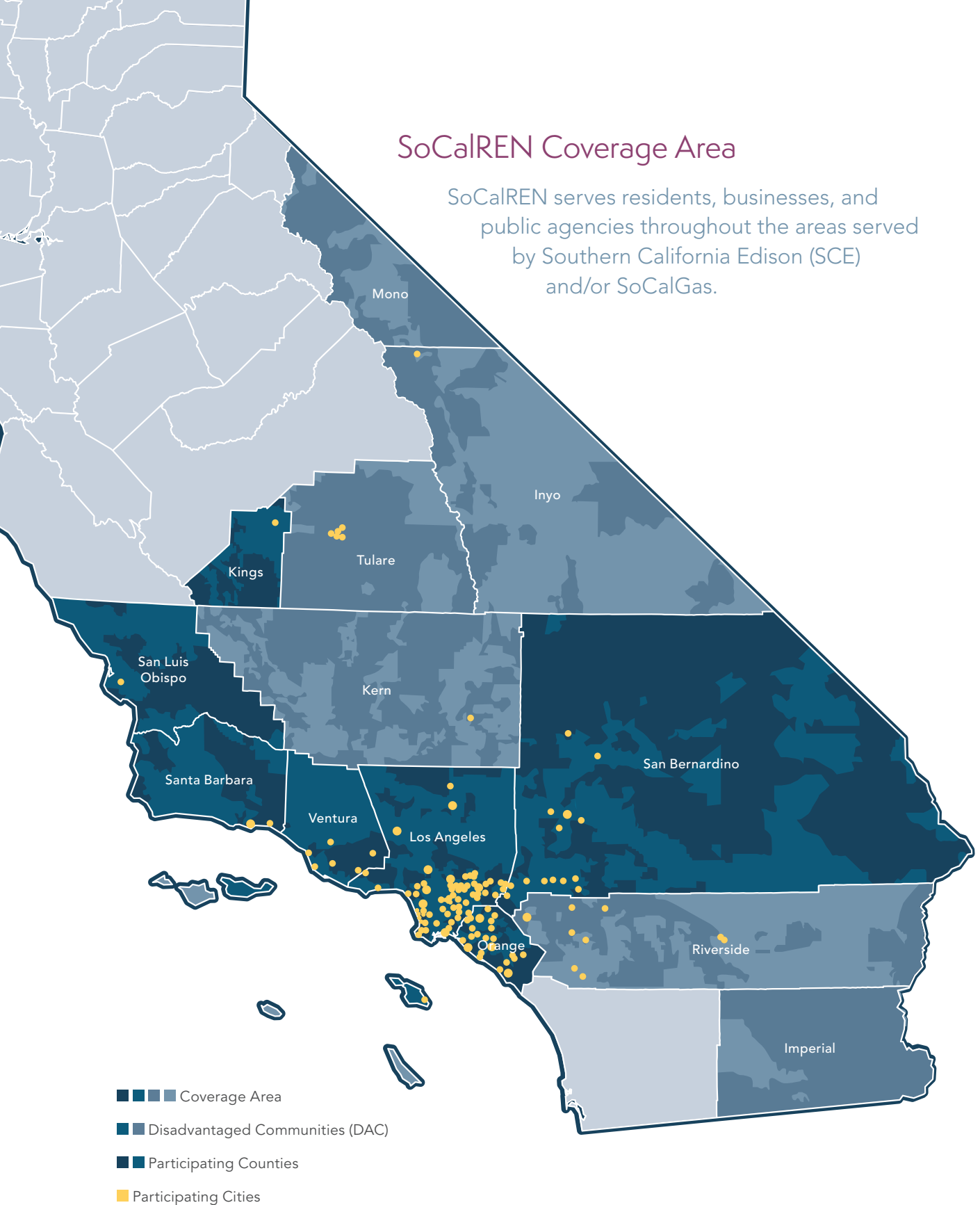
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Public	2	21	83	119	179	72	66	43	60	58
Residential	0	6	6	8	95	22	62	29	59	79
Total	2	27	89	127	274	94	128	72	119	137

*A Completed Project is defined as a multifamily property or public facility project that generated energy savings claimed either by SoCalREN or by a partner investor-owned utility (IOU). Projects typically contain more than one building, and in the instance of multifamily properties, may contain hundreds of individual units.

1,069 TOTAL COMPLETED PROJECTS

SoCalREN Coverage Area

SoCalREN serves residents, businesses, and public agencies throughout the areas served by Southern California Edison (SCE) and/or SoCalGas.



Workflow • Achievements • Milestones



2009

\$65M+ in ARRA grant funding to accelerate regional energy efficiency

2013



25 agencies enroll (72% underserved communities)

2015



WE&T E-Contractor Academy launches

2017



ACES Pathway Program begins

100th agency enrolls

2012

SoCalREN 

With D.12-11-015, CPUC authorizes RENs, awarding LA County more than \$44M in funding

2014



Residential Sector launches

2016

CPUC approves \$165M in funding for 2018–2025



2019



Three new public sector programs launch:

- Metered Savings Program
- Pathway to Zero
- Revolving Savings Fund

2021



Kits for Kids launches



GREEN PATH CAREERS

Green Path Careers launches

ReEnergizing Communities

In Pursuit of a Sustainable Energy Future

Podcast releases its first season

2023



Inaugural Annual Future Green Leaders Summit

CPUC proposes approval of SoCalREN's \$600M+ 2024–2031 budget request

2018

SoCalREN supports \$6.5M+ in incentives across 72 public agency projects

2020

Programs modified to serve customers during COVID-19

200th agency enrolls

2022

Regional Workforce Alliance is created

SoCalREN programs have cumulatively prevented more than 95,000 MTCO_{2e}

10
YEARS

SoCalREN
Empowering Sustainable Communities

\$50+ Million energy efficiency incentives supported by SoCalREN





Supporting Climate Action in SoCal Communities

Originally developed in 2012 by the County of Los Angeles with the County's ARRA grant funding, SoCalREN's Public Sector Programs offer critical support to over 210 public agencies across all or portions of the 13 geographically, socially, and economically diverse counties in the region. Participants include city, township, or county governments, tribes, school districts, and water/wastewater agencies or districts. SoCalREN helps to drive climate action at the local level by assisting these agencies with vital conservation projects amid staffing shortages, budgetary restraints, and other competing priorities. SoCalREN Public Agency Programs have helped complete upgrades at hundreds of facilities and sites across over the past decade. The projects have resulted in more than 100 GWh in energy savings, which translates into real financial impacts—dollars saved on energy costs can be reinvested in participating communities.

Helping To Finance Community Energy Upgrades

As part of its Public Agency Program, SoCalREN offers financing to help fund property improvements that can enhance building value and energy performance. Its Revolving Savings Fund (RSF) provides construction financing solutions for energy upgrades that may otherwise be delayed due to budget allocation. The RSF offers cross-cutting, short-term, up-front construction financing at zero percent interest. It has served as a catalyst for enrolling public agencies with SoCalREN and has been instrumental in driving project development in underserved communities. More than \$1,900,000 in local construction project costs have been supported through the RSF.

As a participant in the SoCalREN Energy Efficiency Project Delivery Program, the City of Santa Ana received ongoing technical and project management support during the completion of a comprehensive energy upgrade at the community's police department facility.

Building Tomorrow's Clean Energy Workforce

The Workforce Education & Training Program focuses on mentoring and supporting diverse contractors and disadvantaged youth in the energy efficiency industry. It provides training, technical assistance, and support to help small and diverse businesses participate in the clean energy economy. Educational programs like the ACES Pathway Program, Green Path Careers, and the Future Green Leaders Summit have offered guidance to more than 10,000 students and opportunity youth. Participants have received information about clean energy careers, educational and college course opportunities, paid internships, and industry certifications that lead to careers.

Bringing Energy Efficiency Home for Southern California

The SoCalREN Residential Sector helps to make energy efficiency more accessible for all. Its Kits for Kids Program helps teach elementary school students about the importance of energy efficiency, providing free energy-saving measures to more than 5,700 households in 2022 alone. The SoCalREN Multifamily Program helps property owners and managers deliver energy savings and improved indoor air quality through the installation of energy efficiency improvements at no cost to residents. Through its offerings, the program aims to deliver a direct impact to households across the region.

Rancho Vista Apartments in Ontario (San Bernardino County) participated in the SoCalREN Multifamily Program, completing an upgrade to exterior lighting, delivering energy savings and greater security for residents.





Students enthusiastically observe an educational performance during the SoCalREN Future Green Leaders Summit at the Los Angeles Convention Center on March 15, 2023.

Regional Partners Support Local Action

Making connections at the local level is critical to the success of SoCalREN's carbon reduction initiatives. Targeted outreach conducted by our five Regional Partners has been vital in driving SoCalREN's ongoing success. These local government organizations work in partnership with SoCalREN to promote programs and services among their member communities and provide valuable input to ensure programs continue to meet local needs.



5 regional partners





Energy Equity

Our *equity* initiatives aim to recognize and address historical and current disparities that some communities face in accessing energy efficiency.

These barriers can be especially apparent for those who are underserved—low-income households, rural areas, tribal lands, and people with disabilities. The programs and services provided by SoCalREN help ensure that individuals in these communities benefit from and can fully participate in the clean energy economy—through breathing cleaner air, enjoying reduced energy costs, or gaining employment in the growing energy efficiency field.

As a Regional Energy Network, SoCalREN makes it a priority to bring energy efficiency programs, services, and job training to communities and households that are classified as hard-to-reach (HTR) or that are located within a disadvantaged community (DAC) as defined by the CPUC and the California Environmental Protection Agency (CalEPA). SoCalREN conducts targeted outreach activities and offers supplemental incentives and benefits to eligible underserved participants.



DELIVERING

Climate and
Energy Impacts



Nearly 75,000,000
kWh savings in
underserved communities



50,000+
MTCO_{2e} GHG avoided in
underserved communities



Energy savings in
underserved communities
equivalent to removing
nearly 12,000
gasoline-powered vehicles
from roads for a year

BUILDING

Energy Capacity and
Economic Resilience



\$30M+
Multifamily cash
incentives paid



\$27,116,685
Public agency
supported incentives



\$193,734
Internship dollars paid to
Title I school students and
opportunity youth

EXPANDING

Access to Energy
Efficiency



100%
Title I schools participating
in the ACES Program



50%
Multifamily DAC/HTR
participants



60%+
DAC schools participating
in the Kits for Kids Program

PUBLIC AGENCIES EQUITY SPOTLIGHT

Palmdale Drives Sustainability in the Antelope Valley

Since joining SoCalREN as one of the first member cities in 2013, the City of Palmdale has long been a leader in driving climate progress and improving energy equity for residents of the Antelope Valley.

Much of the community and surrounding area is classified as a HTR/DAC by CalEPA, meaning that residents suffer an undue and inequitable pollution burden. Palmdale's dedication to environmental initiatives support both the prevention of future inequity and the mitigation of past damage.

Energy savings resulted in a \$1,300,000 reduction to the City's energy costs. These dollars saved are invested into other vital community services and initiatives, further increasing the beneficial impacts of Palmdale's participation in SoCalREN.



Joined SoCalREN

2013



Area (Sq. Mi.)

106.21



County of
Los Angeles
Supervisor District

5th District

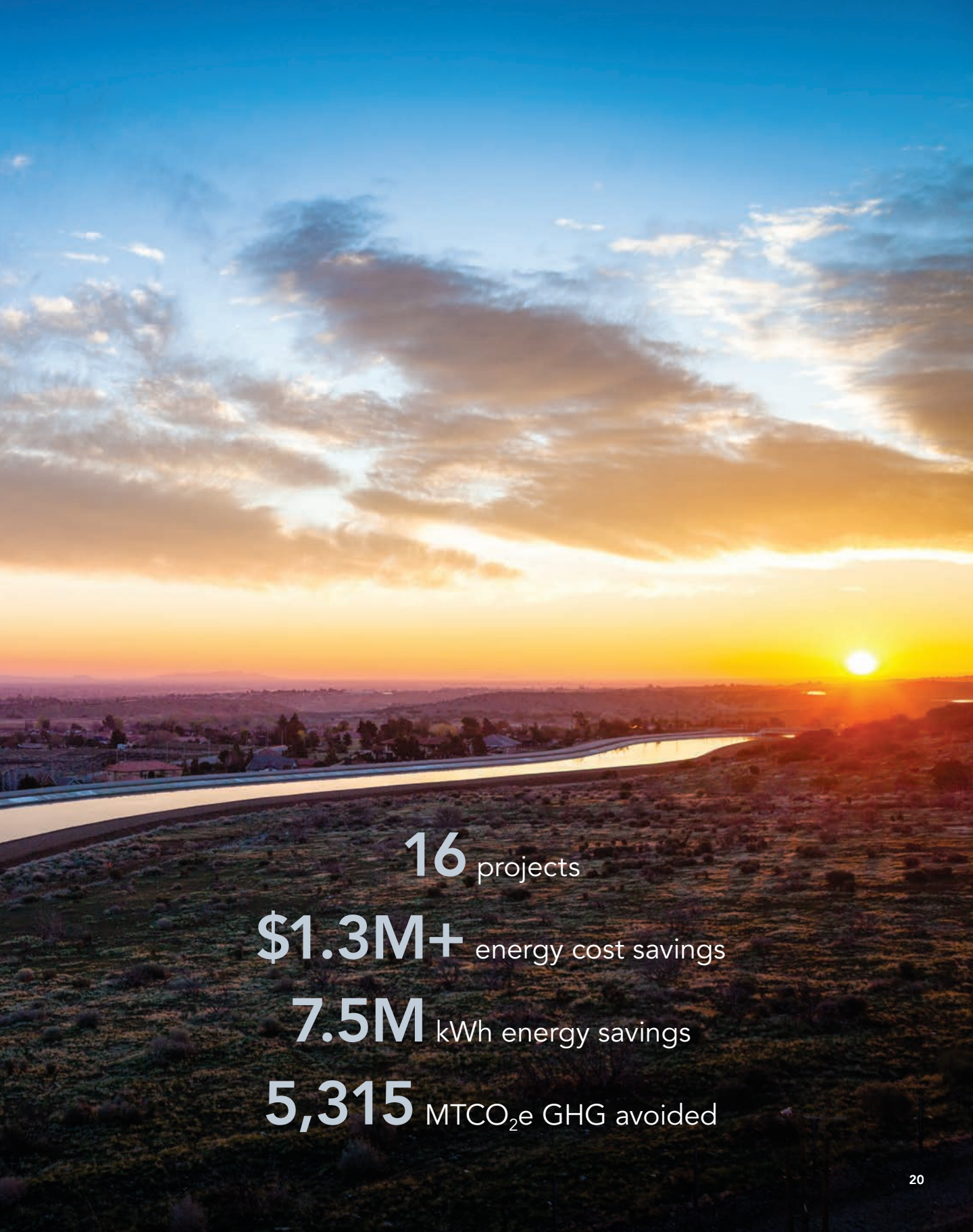


Population

163,463

"SoCalREN has helped us considerably with our goals. Without their help, many of the energy efficiency retrofits that we have accomplished would not have come to fruition."

–Ben Lucha, City of Palmdale Environmental Resources Manager



16 projects

\$1.3M+ energy cost savings

7.5M kWh energy savings

5,315 MTCO₂e GHG avoided

RESIDENTIAL EQUITY SPOTLIGHT

Energy Efficiency in Rural Schools

Mammoth Lakes (Mono County) may be a small town, but it has big ambitions when it comes to energy efficiency.

The community's High Sierra Energy Foundation has been a strong advocate for SoCalREN's programs and initiatives, bringing the Kits for Kids Program to Mammoth Lakes Elementary School and neighboring Lee Vining Elementary School in 2023. Both schools are situated in rural, hard-to-reach areas that are consistently excluded from energy efficiency programs. Working with SoCalREN Kits for Kids allowed nearly 40% of Mammoth Lakes and Lee Vining students to participate in a fun, STEM-focused learning activity—and take energy efficiency home through the no-cost energy savings kit.



Participated in Kits for Kids

2023



Total student participants

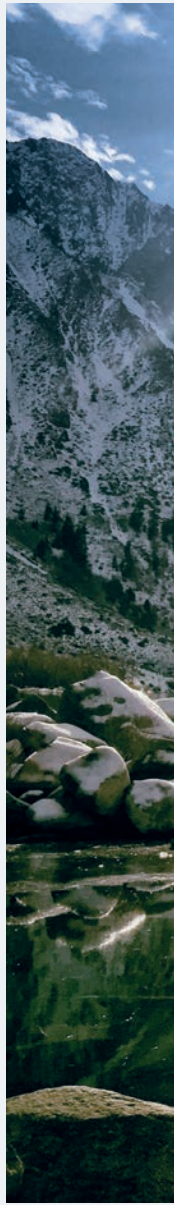
36

"The Kits for Kids Program has allowed High Sierra Energy Foundation to expand our efforts to elementary school-aged students, in our rural and hard-to-reach communities, and the teachers are excited to both bring the curriculum to their classes and to receive the incentive for classroom materials."

—Pam Bold, High Sierra Energy Foundation Executive Director



Lee Vining Elementary is a rural school in the Eastern Sierra with fewer than 100 students.



\$500,000 grants for eligible classrooms



“The Kits for Kids Program helped my students understand the importance of using energy-efficient methods in their homes. It was effortless for the families to install the LED bulbs and the Smart Wi-Fi plug.”

–Marci Jefferson, 4th Grade Teacher at Mammoth Elementary School

500+ total participating students, educators, and employers



ACES Pathway Program participants gain valuable exposure to and experience in STEAM careers through guidance, mentoring, and paid internships with local businesses and government organizations.



"I was motivated by ACES to learn SolidWorks and work on certifications that might make a real impact in my future."

—Kunal Bora, UC Davis Aerospace Science and Engineering student, former ACES Pathway Program participant, and Alhambra High School graduate

WE&T EQUITY SPOTLIGHT

ACES Pathway Program Paves the Way for Title I Students To Explore STEAM Careers

The Architecture, Construction and Engineering Students (ACES) Pathway Program encourages Title I high school students to explore careers in science, technology, engineering, arts, and mathematics (STEAM).

The Program provides underrepresented students in grades 9–12 with dual enrollment opportunities and hands-on training and experience in energy efficiency and clean energy technologies. Students can even gain well-known industry certifications including SolidWorks, computer-assisted design, and engineering software.

Alhambra High School graduate Jennifer Acevez says the Program opened doors she may have never discovered. “I came across civil engineering and took advantage of amazing opportunities like the summer

internship,” says Acevez, who continued her education at California State University, Fullerton.

The ACES Pathway Program aims to diversify the workforce and create a talent pipeline by preparing youth for in-demand jobs in clean energy. Simultaneously, it helps to meet the growing need for skilled workers and advance energy efficiency initiatives in Southern California. To date, nearly 400 students have participated in the Program.



Pilot Year at
STEAM Legacy

2015



First Cohort
College Graduation

2022



County of
Los Angeles
Supervisor District

1st District



“Thank you LINXS/ACES for providing me with this scholarship. [I am] the first in my family to graduate and attend a school on the East Coast.”

– Daniella Ramirez, Johns Hopkins University Chemical and Biomolecular Engineering student, former ACES Pathway Program participant, and STEAM Legacy High School graduate

Job Creation



The historic level of funding reaching states via the Infrastructure Investment and Jobs Act (2021) and the Inflation Reduction Act (2022) has created an immediate and significant need for skilled workers in the energy efficiency sector.

The U.S. Department of Energy’s 2022 U.S. Energy and Employment Report⁷ notes that the sector⁸ added nearly 60,000 jobs in 2021—prior to the approval of the Inflation Reduction Act. This need will be most acute in California, particularly in Los Angeles County and the surrounding region, due to the aggressive state and local targets set through regulatory policy like AB 32, and local government action

plans like OurCounty, the Riverside County Climate Action Plan, and the City of San Luis Obispo’s Climate Action Plan for Community Recovery. Overall, the state estimates⁹ that at least 4 million clean energy jobs will need to be added to achieve statewide climate targets.

⁷ U.S. DOE U.S. Energy and Jobs Report, 2022

⁸ The U.S. Energy and Jobs Report defines energy efficiency sector workers as those who work in the design, manufacturing, and installation of: Traditional Heating, Ventilation, and Air Conditioning (HVAC); ENERGY STAR® products, appliances, and services; and Renewable Heating and Cooling.

⁹ CARB 2022 Scoping Plan for Achieving Carbon Neutrality



DELIVERING

Climate and Energy Impacts



\$130M+

Value of completed energy retrofit projects



1,500+

Construction and clean energy jobs created



210+

SoCal Communities engaged in clean energy industry growth

BUILDING

Energy Capacity and Economic Resilience



\$193,500+

Paid internships for ACES participants



7,000+

Students educated on clean energy careers



22

Regional Workforce Alliance member organizations

EXPANDING

Access to Energy Efficiency



190+

Title 1 high school students guided to college



6

Opportunity Youth provided training and support



34

Training workshops for WMDVBE contractors

At the same time, individuals and businesses in historically underserved groups and communities are often excluded from opportunities such as these, creating a need for additional and ongoing support to ensure their success. SoCalREN has spent the last decade preparing for

the WE&T needs associated with the clean energy transition, with a focus on delivering services that uplift individuals and businesses within historically underserved groups and communities.





SoCalREN Regional Workforce Alliance

The Regional Workforce Alliance was formed in early 2022 to provide feedback and guidance to ensure that SoCalREN’s workforce development initiatives are collaborative, meet industry needs, and support the development of a clean energy career pipeline for local workers and contractors. Its mission is to provide disadvantaged communities with equitable access to training and employment opportunities generated by investments in energy efficiency. By harnessing and coordinating the resources of industry, academic institutions and community-based organizations, the Regional Workforce Alliance helps meet the demand for skilled workers and contractors in the clean energy sector, with a specific focus on underserved residents and businesses. Below is a list of current members:

- Build Los Angeles Community College District (BuildLACCD)
- California African American Chamber of Commerce (CAACC)
- California Hispanic Chamber of Commerce (CHCC)
- California State University, Long Beach (CSULB) Institute for Innovation & Entrepreneurship
- County of Los Angeles Board of Supervisors
- County of Los Angeles Department of Economic Opportunity (DEO)
- County of Los Angeles ISD Environmental & Energy Services
- Crenshaw Chamber of Commerce
- East Los Angeles Community College Engineering and Technologies Department
- Greater Los Angeles African American Chamber of Commerce (GLAAAC)
- HUB Cities Consortium
- Los Angeles Clean Tech Incubator (LACI)
- Los Angeles Council District 9
- Los Angeles County Department of Consumer and Business Affairs Office of Small Business (OSB)
- Los Angeles Local Development Corporation (LALDC)
- National Association for the Advancement of Colored People (NAACP)–Inglewood/South Bay Chapter
- National Association of Minority Contractors/Southern California Chapter (NAMC)
- National Electrical Contractors Association–Los Angeles (NECA–LA)
- Southern California Edison (SCE)
- SoCalGas
- Swinerton Builders
- U.S. Green Building Council Los Angeles (USGBC-LA)
- Zlate-Z

PUBLIC AGENCIES JOB CREATION SPOTLIGHT

Ongoing Retrofit Projects Create Jobs in Culver City

Culver City was the very first community to join SoCalREN in 2013.

Since then, the 18 projects completed with SoCalREN's no-cost support have helped save an estimated 1,500,000 kWh, saving Culver City hundreds of thousands of dollars in energy costs—funds invested back into the local community, supporting overall economic growth. Culver City's SoCalREN-supported energy efficiency projects helped create local jobs through projects at a wide variety of facilities, including the Veterans Memorial Building, City Hall, and numerous parking structures.



Joined SoCalREN

2013



Area (Sq. Mi.)

5.14



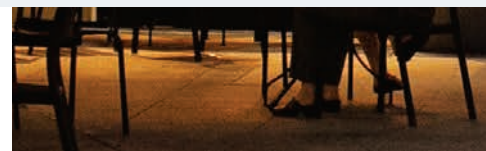
County of
Los Angeles
Supervisor District

2nd District



Population

39,970



18 projects

1.5M kWh energy savings

1,063 MTCO₂e GHG avoided

Downtown Culver City, California. Image via Ganna Tokolova/Shutterstock.

RESIDENTIAL JOB CREATION SPOTLIGHT

Local Contractors Grow With SoCalREN's Multifamily Program

To ensure adherence to technical and safety guidelines, SoCalREN requires Multifamily Program projects to be completed by a Contractors State License Board (CSLB)-licensed contractor enrolled to participate in the Program.

Our team verifies insurance, licenses, and employment practices—saving participating properties valuable time and effort. Then, we work hand in hand with each participating contractor on each project, providing technical and engineering guidance, code compliance support, QA/QC, and more. Local contracting companies Bottom Line Utility Solutions (BLUS) and SitelogIQ have successfully participated in and grown with SoCalREN.



Total participating contractors in 2013

0

Total participating contractors in 2023

17



Value of projects completed by participating contractors

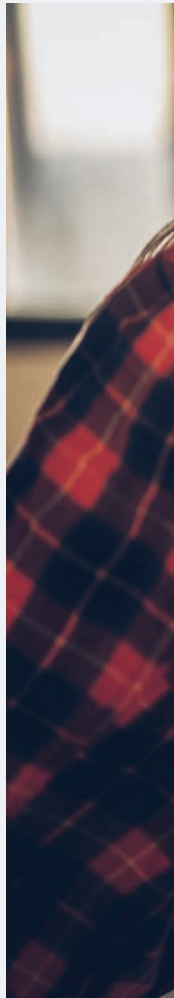
\$30M+

"Because of the SoCalREN Multifamily Program, we are able to serve more customers and install a variety of different conservation measures. As one of our core values, participating in SoCalREN projects helps us reduce the carbon impact while saving our clients valuable time and money upgrading their assets."

–Bottom Line Utility Solutions, Inc. (BLUS)
(Laguna Hills, Orange County)

"It was important to us to offer a program that would make it easier for our clients to continue to invest in sustainable solutions. The SoCalREN Multifamily Program is the driving force behind energy efficiency initiatives, making it seamless for our multifamily clients to achieve their property goals while investing in sustainable solutions."

–SitelogIQ (Ontario, San Bernardino County)



17 participating contractors



Daniel Dajer, a Project Coordinator with The Energy Coalition, was part of the first SoCalREN Green Path Careers cohort, joining in December 2020. Mr. Dajer obtained the U.S. EPA's ENERGY STAR® Portfolio Manager certification as well as multiple certifications through the Building Performance Institute. He also completed a year-long Energy Fellowship program with The Energy Coalition. The organization was pleased to welcome Mr. Dajer as a full-time employee in February 2023.



MARCH 15
2023



31 sponsors

200+ volunteers

15 DAC/low-income LA schools

WE&T JOB CREATION SPOTLIGHT

Future Green Leaders Summit

SoCalREN, in collaboration with the Los Angeles Unified School District (LAUSD), held the first annual Future Green Leaders Youth Summit, welcoming 1,800 middle school students to the Los Angeles Convention Center on March 15, 2023. The Summit provided innovative educational programming and allowed SoCalREN to introduce Los Angeles students to academic pathways and career opportunities in sustainability and the clean energy sector.

The County of Los Angeles enlisted numerous public and private sector organizations to help expand horizons by hosting booths in a resource fair and facilitating interactive workshops throughout the day. The 29-booth Resource Fair included sponsor and partner-hosted interactive booths presented by SoCalGas, Southern California Edison, Microsoft, LA Fire, LA Public Library, Build LACCD and more. After keynote speeches, a Women-in-Energy Panel invited students to ask questions directly to successful women with interesting and inspiring green careers.

The Los Angeles Department of Water and Power (LADWP) Society for Women Engineers, the California State University, Long Beach (CSULB) Shark Lab, the Western Science Center, and the STEAM Legacy High School Hydrogen Car Racing Team tapped into the technical aspects of green education and careers.



1,800 participating students

LA County Regional Planning, the Theodore Payne Foundation, Bolsa Chica Conservancy, and the LA Fire Department Forestry Division educated and enlightened students about California-specific green sector careers and opportunities to contribute.

Business partners Skanska, ICF, Microsoft, and LAX Integrated Express Solutions (LINXS) supported the event, teaching our future leaders that green careers can be pursued in unexpected places.

Pillars of the green space GRID Alternatives, USGBC-LA, The Energy Coalition, and the Los Angeles Cleantech Incubator (LACI) tied the event together with engaging, inspiring programming.

With the success of the first annual Future Green Leaders Summit, SoCalREN has launched planning efforts for a second event in 2024, with an expected focus on San Fernando Valley-area LAUSD schools.







Carbon Reduction

The climate crisis, a result of the increased greenhouse gas emissions associated with human industrial activity over the past 150 years, has led to rising temperatures, extreme weather events, and ecological imbalances around the globe. California is particularly vulnerable to climate change's consequences, including droughts, wildfires, and sea-level rise.

Acknowledging the urgency of the situation, California's state and local governments have taken proactive measures to address the crisis head-on, emerging as a global leader with policies like AB 32 and plans such as LA County's OurCounty, the most aggressive county-level sustainability plan in the nation. SoCalREN's programs

and services are designed to accelerate decarbonization through energy efficiency and have generated significant carbon reductions over the past decade in support of both state and local climate targets.



DELIVERING

Climate and Energy Impacts



135,443,289

Total kWh savings



95,986

Total MTCO_{2e} GHG reductions

BUILDING

Energy Capacity and Economic Resilience



700+

Public facility energy efficiency retrofits



\$12+ Million

Social cost of carbon avoided

EXPANDING

Access to Energy Efficiency



350+

Multifamily properties upgraded



75,000+

Households provided decarbonization measures

Impacts from energy savings are equivalent to:

CO₂ emissions from
107,519,368 pounds
 of coal burned

Carbon sequestered by
1,587,141 trees
 growing for 10 years

GHG emissions from
246,065,528 miles
 driven by an average passenger vehicle



Two fourth-grade classrooms at Towne Avenue Elementary School in Carson, CA received \$1,000 each after completing SoCalREN Kits for Kids Program.



Energy-Saving Classroom Kits Support California's Carbon Reduction Goals

The Kits for Kids Program is a free energy efficiency curriculum that introduces third- and fourth-grade students to the benefits of energy efficiency.

Developed in response to the COVID-19 pandemic, the Program provides interactive educational materials (including a fun online scavenger hunt featuring Fuzzy and his band of energy monster friends) to guide students through in-home energy efficiency activities. The at-home activities build on what students learn through the classroom curriculum. Students are given energy efficiency kits with simple instructions for installing energy-saving measures at home. The kits include items like LED lightbulbs, an efficient-flow showerhead, and faucet aerators. The free measures can help households save energy and money, while reducing carbon emissions throughout the region.

If 65% of the students within a given participating classroom install the energy-saving items, their classroom will receive a \$1,000 incentive grant.



SoCalREN 
Empowering
Sustainable Communities

PUBLIC SECTOR CARBON REDUCTION SPOTLIGHT

Enrolled Public Agencies Driving Decarbonization at the Local Level

Since 2013, SoCalREN has supported participating public agencies on their journey to decarbonizing public facilities. These projects—including energy efficiency retrofits, solar feasibility assessments, and more—deliver progress toward climate action goals, and help communities realize significant cost savings through reduced utility bills.

Residents benefit from the improved air quality associated with carbon reductions, and those who use upgraded facilities regularly enjoy improved indoor air quality thanks to HVAC and building envelope upgrades. With more than 700 projects completed since 2013, SoCalREN has helped accelerate decarbonization in communities throughout the region through building energy efficiency upgrades.



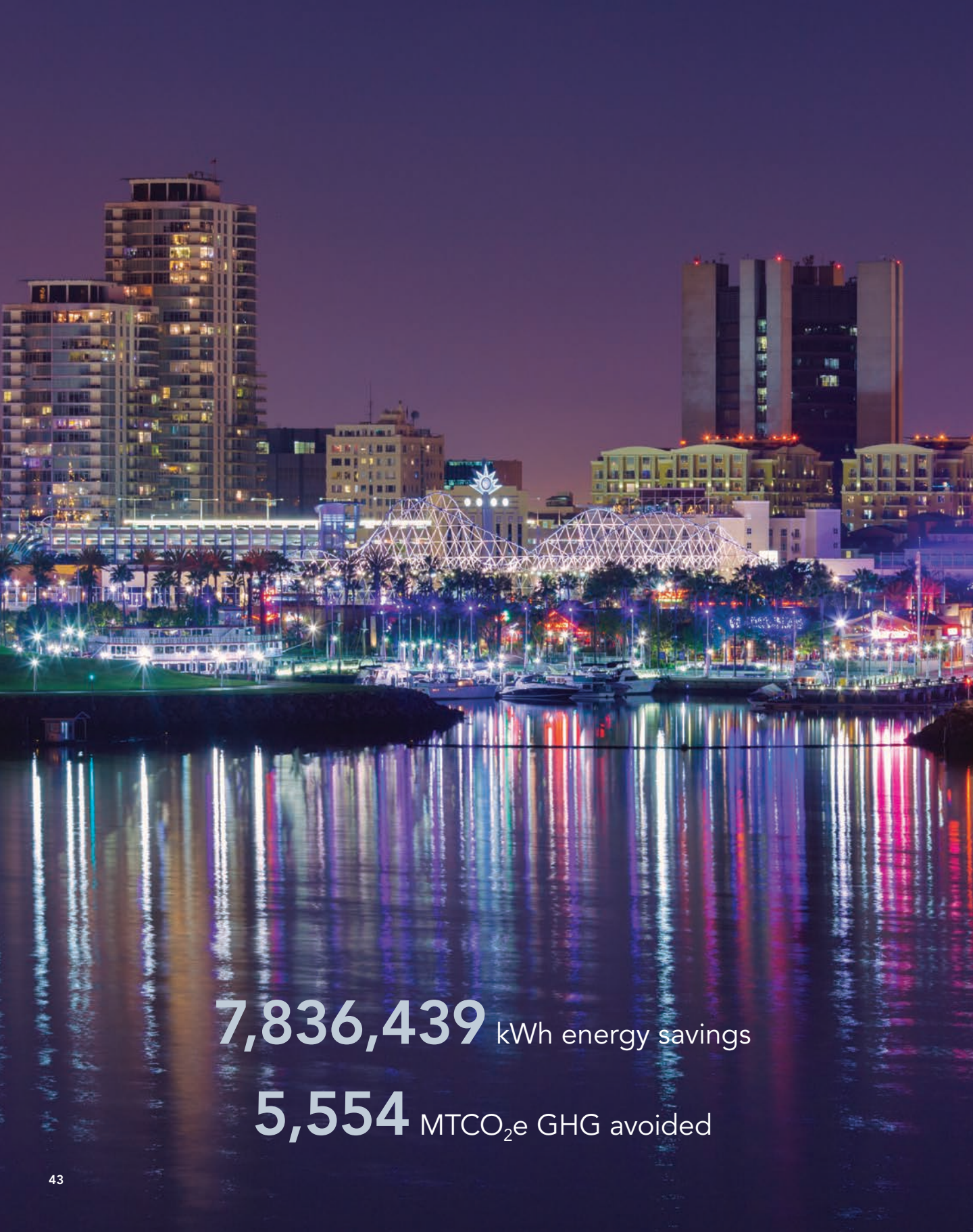
A local architectural landmark designed in 1975 by Dion Neutra, the Huntington Beach Central Library and Cultural Center (Orange County) completed an energy efficiency upgrade with the support of SoCalREN. The upgrade will help to preserve the facility and will save the Huntington Beach Public Library system thousands of dollars annually thanks to the 20,000 kWh saved through the project. These savings will also result in GHG reductions of more than 14.2 MTCO_{2e}.





700+ total projects completed

The Historic 1927 Santa Fe Depot in Claremont (Los Angeles County, District 5), now home to both a Metrolink station and the Claremont Museum of Art, received an energy efficiency upgrade as part of Claremont's ongoing commitment to sustainability and energy conservation. The project resulted in more than 380,000 kWh in annual energy savings, providing GHG reductions equivalent to removing 60 gasoline-powered vehicles from roads each year.



7,836,439 kWh energy savings

5,554 MTCO₂e GHG avoided

PUBLIC SECTOR CARBON REDUCTION SPOTLIGHT

Long Beach Continues Journey to Decarbonization

Long Beach is home to one of the busiest ports in the world, a vibrant tourism industry, and a strong commitment to climate action.

In 2022, the City Council passed The Long Beach Climate Action Plan (LB CAP), outlining both mitigation and adaptation strategies for Long Beach. Planning for sustainability has been an ongoing priority for the city, and SoCalREN has helped support those efforts since Long Beach joined the Network in 2014.

In 2017, the city completed a lighting retrofit with SoCalREN's support that resulted in significant energy savings and increased public safety on city streets, at parks, and at key locations such as Airport Parking and multiple beach parking lots. The project included upgrades to both standard cobra head streetlights and decorative fixtures seen throughout the community—a total of more than 25,000 street and parking lights were upgraded as part of the lighting retrofit.

SoCalREN has provided technical assistance and project management support to Long Beach in completing upgrades that have yielded 7,836,439 kWh in energy savings. These savings contribute more than 5,500 MTCO₂e of GHG reductions in support of both Long Beach and Los Angeles County climate action goals.



Joined SoCalREN

2014



Area (Sq. Mi.)

80.35

Land: 50.70
Water: 29.64



County of
Los Angeles
Supervisor District

4th District

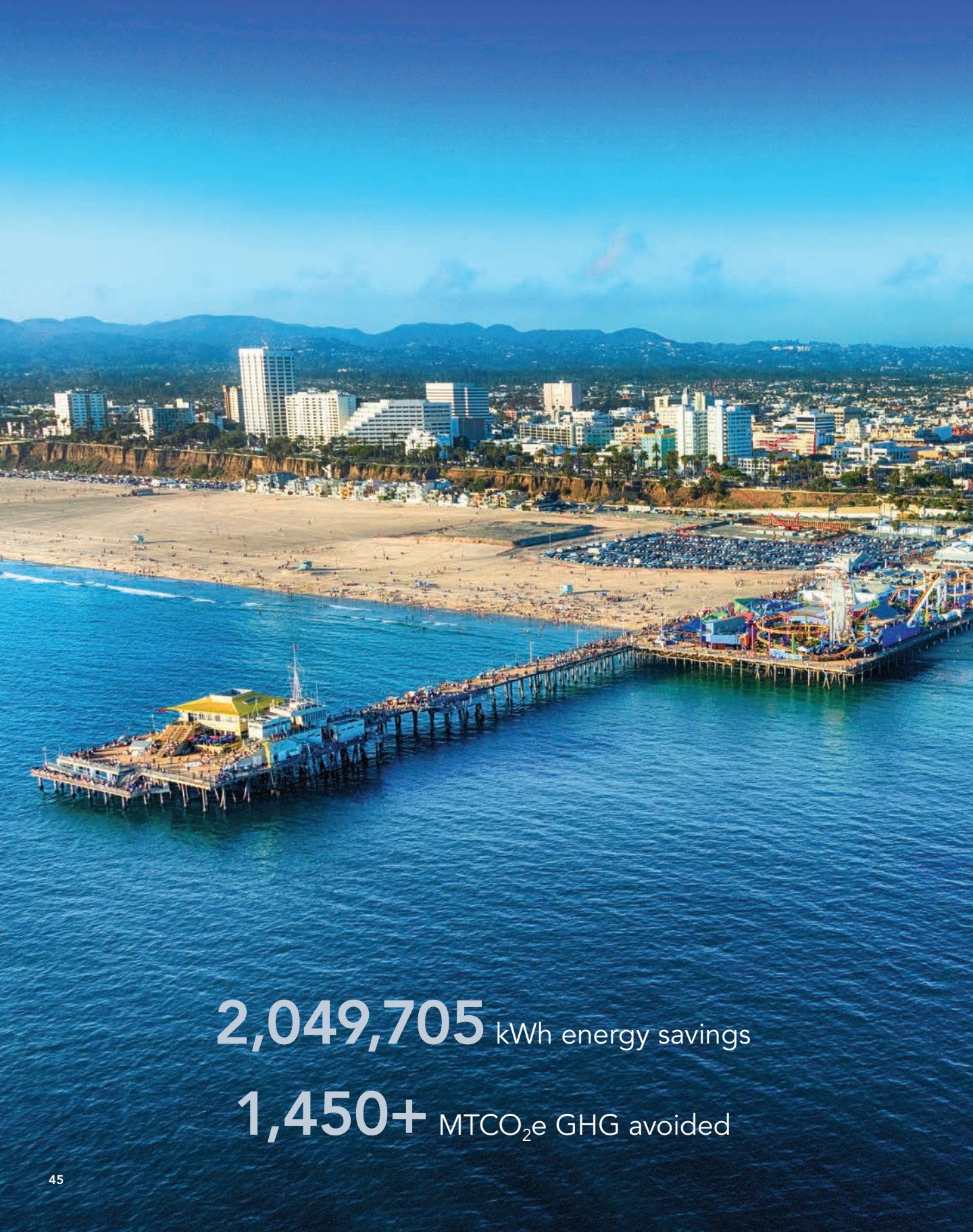


Population

466,742



Upgrades to energy-efficient lighting deliver an improved appearance and increased visibility, as displayed (left) in this photo taken on Pine Avenue during the retrofit project in 2017.



2,049,705 kWh energy savings

1,450+ MTCO₂e GHG avoided

PUBLIC SECTOR CARBON REDUCTION SPOTLIGHT

Santa Monica Recognized as a Global Environmental Leader

Santa Monica represents Southern California well in many ways, from its globally recognized coastal view to the hundreds of unique restaurants and businesses lining the city's streets.

And, in 2022, Santa Monica was named a member of the Carbon Disclosure Project (CDP) A-List—a designation that honors leadership in climate action and transparency. CDP recognized only 122 cities with this award; Santa Monica was the only Southern California recipient in 2022.

SoCalREN is proud to be a part of Santa Monica's success story, supporting the city through numerous energy efficiency upgrade projects including at the parking structures, the Big Blue Bus facility, and even underwater at the Santa Monica Swim Center. Since joining in 2013, the projects Santa Monica has completed with SoCalREN have saved a total of 2,049,705 kWh, eliminating almost 1,500 MTCO₂e of GHG emissions.



Joined SoCalREN

2013



Area (Sq. Mi.)

16 Land: 8.41
Water: 7.58



County of
Los Angeles
Supervisor District

3rd District



Population

93,076



Energy efficiency upgrades included underwater and outdoor lighting improvements at the Santa Monica Swim Center.

RESIDENTIAL CARBON REDUCTION SPOTLIGHT

U.S. Army Prioritizes Climate Action Through Building Upgrades

Fort Irwin, located in San Bernardino County, has been home to the National Training Center since the early 1980s—and is also home to more than 8,000 service members and their families.

As part of its 2022 Climate Strategy,¹⁰ the U.S. Army states its commitment to “enhance resilience and sustainability by adapting infrastructure and natural environments to climate change risks, securing access to training and testing lands into the future, and mitigating GHG emissions.” The strategy further directs U.S. Army installations like Fort Irwin to achieve a 50% reduction in GHG emissions from structures—including housing—by 2032 from a 2005 baseline.

Between 2021 and 2023, Ontario-based participating contractor SitelogIQ helped The Villages at Ft. Irwin complete a SoCalREN Multifamily Program energy efficiency upgrade that will bring the U.S. Army closer to its goal. The upgrades to common areas and resident units resulted in a GHG reduction of 1,063 MTCO₂e, equivalent to eliminating the CO₂ emissions from nearly 50,000 home barbecue propane tanks.



16 total communities within the Villages at Ft. Irwin were upgraded, impacting more than 2,660 households with decarbonization measures.



¹⁰ Department of the Army, Office of the Assistant Secretary of the Army for Installations, Energy and Environment. February 2022. United States Army Climate Strategy. Washington, DC.

16 total communities

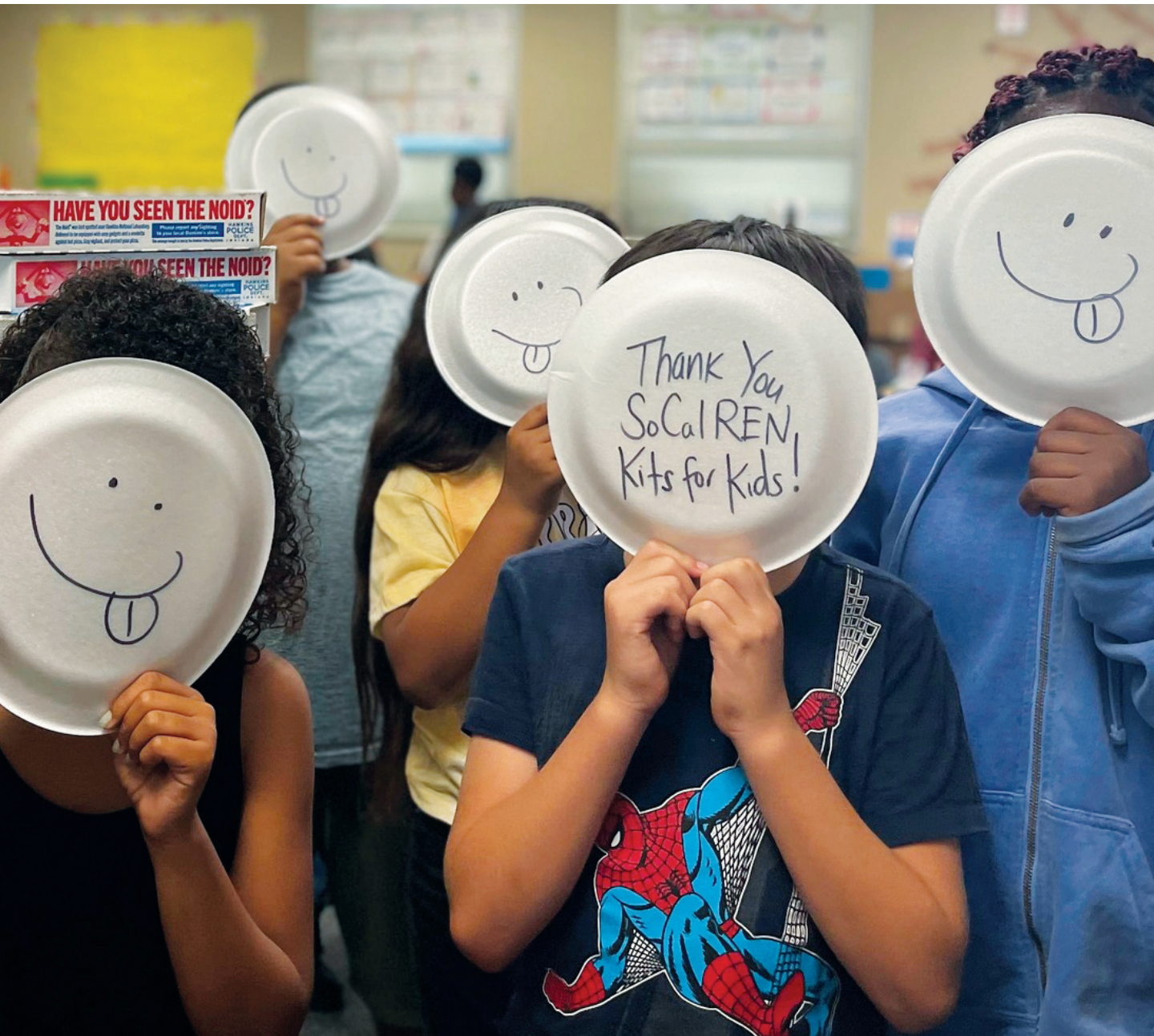
2,660 households impacted



Bobak Ha'Eri, CC BY 3.0, via Wikimedia Commons

1,063 MTCO₂e GHG reduction

2,000+ households provided decarbonization measures



In 2021, eight Rialto USD campuses were recognized as California Green Ribbon Schools by the U.S. Department of Education—composing nearly 40% of the 21 total California awardees.



WE&T/RESIDENTIAL CARBON REDUCTION SPOTLIGHT

Kits for Kids Helps Rialto ISD Students Reduce Carbon Emissions at Home

About 2,000 Rialto Unified School District (San Bernardino County) fourth graders are decreasing their family's energy consumption by participating in the SoCalREN Kits for Kids Program.

Rialto Unified School District continues to fulfill its promise to reduce environmental impact and provide effective environmental education after being awarded the Green Ribbon Schools Award. Juanita Chan, Rialto USD's STEM and College and Career Pathways Coordinator, spearheads the efforts by developing a field trip for each grade level that exposes students to a sustainability concept, empowering them to make their community more sustainable.

With the help of Juanita Chan, SoCalREN's Kits for Kids Outreach Associates taught one part of the fourth-grade environmental field trip. As part of the field trip, each of the 19 Rialto USD Elementary Schools received the opportunity to visit the Chavez/Huerta Center for Education. Students learned about ways to conserve energy and completed interactive online games. They also received energy-efficient items, like LED bulbs, an efficient-flow showerhead, and faucet aerators that their parents or guardians could install in their homes.

Because 65% of the students in 32 classes installed the energy-saving items they received, each classroom earned a \$1,000 grant totaling \$32,000 for the district. Jose Guerra, a teacher from Morris Elementary, used the funding to provide a curriculum-aligned field trip, which all the students enjoyed, since they hadn't had a field trip since before the pandemic. He said, "The awards money was well spent. We hope you can continue to provide those resources on climate action and conservation of natural resources."



Avi Vigdorichik, a SoCalREN Outreach Associate, teaches the Kits for Kids lessons to Rialto ISD students.

Future Outlook



In June 2023, the CPUC issued a Proposed Decision approving SoCalREN's 2025–2031 Strategic Business Plan. The budget includes \$227 million to implement the 2024–2027 SoCalREN Energy Efficiency Portfolio Plan, and a directional forecasted budget of \$356 million for the following four years (to be reviewed and approved in 2026)—**a total of more than \$580 million for the eight-year program cycle**. Program offerings will expand to new sectors including Agricultural and Commercial and will continue to focus growth in underserved communities, jobs, local energy capacity, and climate action through carbon reduction.



Credits

SoCalREN is administered by the County of Los Angeles and funded by California utility ratepayers under the auspices of the California Public Utilities Commission.

This Report was developed by the County of Los Angeles Internal Services Department, Energy and Environmental Service (EES). EES coordinates energy efficiency, conservation, and sustainability programs to increase utilization and maximize the efficient use of natural resources.

County of Los Angeles Internal Services Department, Energy and Environmental Service

Minh S. Le, General Manager

Lujuana Medina, Manager of Environmental Programs

Fernanda Craig, Program Manager

Frederick Chung, Program Manager

Tessa Charnofsky, Program Manager

ICF—SoCalREN Program Administrator and Residential Program Implementer

Scott Broten

Becca Rodgers

Avi Vigdorichik

Courtney Owen

Nikki Dugan

Heather Schulte

Becky Robbins

John Sullivan

The Energy Coalition—Public Agency Program Implementer

Laurel Rothschild

Meaghan Laverty

Tim Olson

Rebecca Hausheer

Julie Castro

Taylor Rosetti

Emerald Cities Collaborative—Workforce Education and Training Program Implementer

Wendy Angel

Tabaris Smith

Joseph Warner

Shanette Anderson





10
YEARS

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Sustainable Communities

