

SoCalREN Advisory Committee Meeting

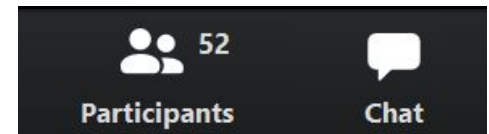
Wednesday, July 26, 2023
10:30 am - 12:00 pm

Administration

- This webinar is being recorded
- Please keep microphone muted unless you want to speak
- If you are experiencing any technical issues during the webinar, please contact ***Jamie Martin*** at ***jmartin@energycoalition.org***

Directions for Chat

- We will be having an open discussion throughout the meeting!
- To facilitate orderly discussion while others are speaking, we are going to be using the “raise hand” function.
- If you would like to ask your question verbally click on the “raise hand” function so we can unmute you.
- If you would not like to be unmuted, send us your question or comment through the chat!

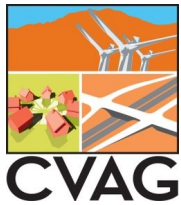


Who is participating today?

Invited Guests



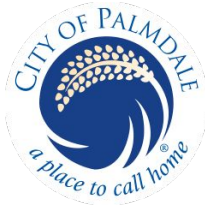
Advisory Committee Members



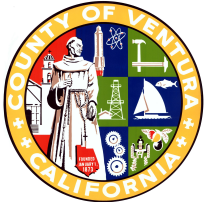
SOUTH BAY CITIES
COUNCIL OF GOVERNMENTS

GROUND

SoCalREN Staff, Implementers &
Regional Partners



CPA CLEAN
POWER
ALLIANCE



GATEWAY CITIES
COUNCIL OF GOVERNMENTS



Southern California
REGIONAL ENERGY NETWORK

SoCalREN Advisory Committee



Guide and Advise



Collaborate and Innovate



Be Informed



Be an Advocate

Agenda

SoCalREN Welcome

Minh Le

10 min

2022 Annual Report Highlights

Lujuana Medina

5 min

Decision Adopting 2024-2031 Business Plans

Lujuana Medina

60 min

Regulatory Updates

Jesse Feinberg

10 min

Closing Remarks

Lujuana Medina

5 min

Adjourn

SoCalIREN Welcome

Minh Le, Los Angeles County

2022 Accomplishments and 10-Year Achievements

Increasing impacts throughout SoCalREN's service territory

Lujana Medina, Los Angeles County

Southern California REGIONAL ENERGY NETWORK



The County of Los Angeles/Southern California Regional Energy Network (SoCalREN) was created to harness the collective power of residents, businesses and the public sector to achieve an unprecedented level of energy savings across Southern California.



Residential



Multifamily



Financing



Public Agencies

Deliver Energy and
Climate Impacts

Build Energy
Capacity and
Economic
Resilience

Expand Access to
EE Benefits

Learn more about the Southern California Regional Energy Network at www.socalren.com

10
YEARS

SoCalREN 

Empowering
Sustainable Communities



216

Member Agencies
(60%+ Underserved)



135 GWh+

More than 135 GWh Saved
in SoCal Communities



20,000+

Students Educated



75,000+

Households Impacted



1,500+

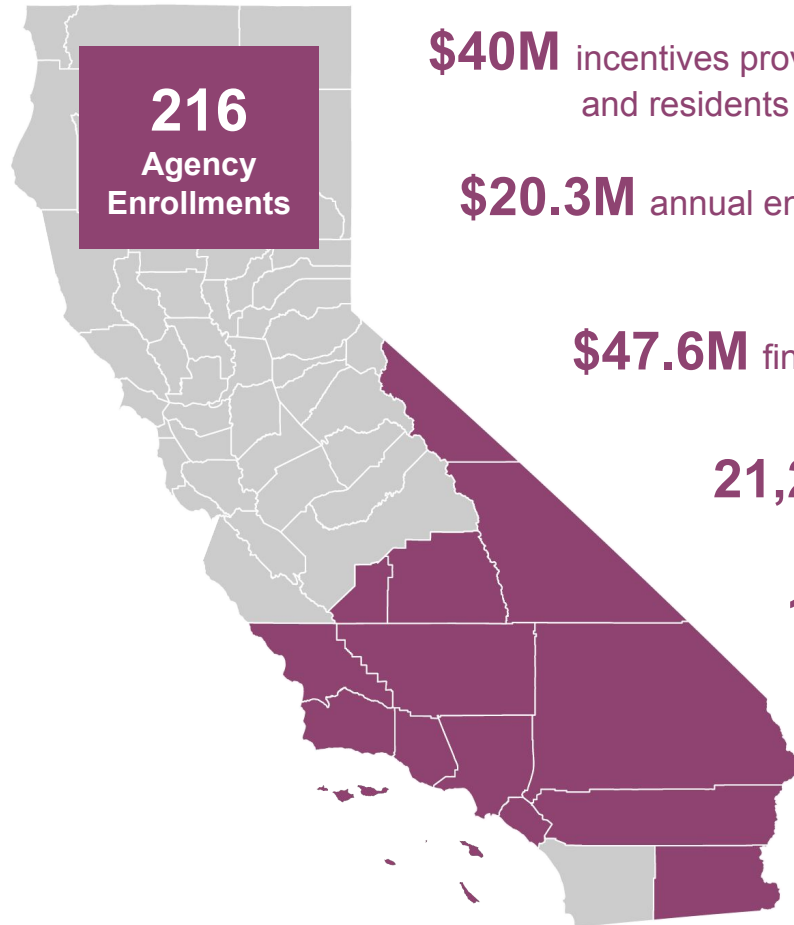
Jobs Created



Over **95,000** MTCO₂e
of GHG Emissions Avoided

Southern California
REGIONAL ENERGY NETWORK 

Over 10 Years, We've Built a Far-Reaching and Impactful Network that Will Continue to Grow!



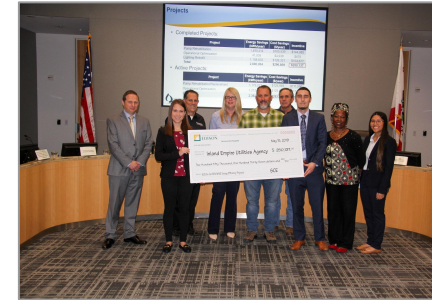
\$40M incentives provided to public agencies and residents

\$20.3M annual energy cost savings

\$47.6M financing obtained

21,290 cars off the road

1,069 projects delivered



SoCalREN's 10-year Anniversary Leadership Luncheon

- **SoCalREN's 10-year Anniversary Leadership Luncheon** at the California Endowment Center for Healthy Communities in downtown Los Angeles on Wednesday, September 6
- This **celebratory event** will honor the **two-hundred and fifteen plus public agencies** that are part of SoCalREN's network, including special recognition for SoCalREN Energy Champions who have taken it upon themselves to drive the policies, programs, and procedures necessary to achieve a sustainable future for their communities



Public Sector 2022 Accomplishments



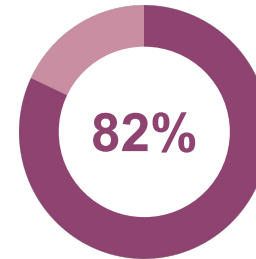
Public Sector Programs Delivered on Core Values in 2022



Delivering Climate and Energy Impacts

17,617,646 kWh

2,145 kW (*highest year*)
107,680 therms (*highest year*)



% installed projects at facilities located in underserved ZIPs - **Goal is 50%**



Delivering Climate and Energy Impacts

\$2,458,311

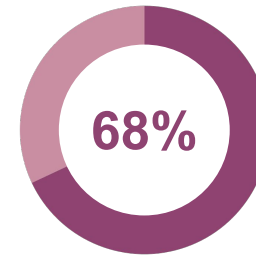
in energy bill savings

\$2,448,561

in incentives

\$201,294

in OBF reserved



% of agencies receiving services in 2022 classified as underserved



Expanding Access to Energy Efficiency

151

total underserved agencies enrolled in SoCalREN, 70% of total (215)

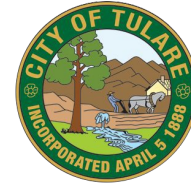


*Construction jobs are calculated using project's construction value and estimating \$92,000 in project costs will equate to one construction job.- Source [ARRA Guidance](#)

Expanded EE Access to Underserved Communities (DAC, rural, low-income, Title 1 schools)

City of Tulare Pump Overhaul Project

- First completed project in San Joaquin Valley since SoCalREN regional partnerships launched
- City was able to secure **\$34,000** in incentives, including an LGP kicker before the program sunset
- Tulare addressed drought concerns by increasing size of pump to compensate for water table dropping drastically in the near future



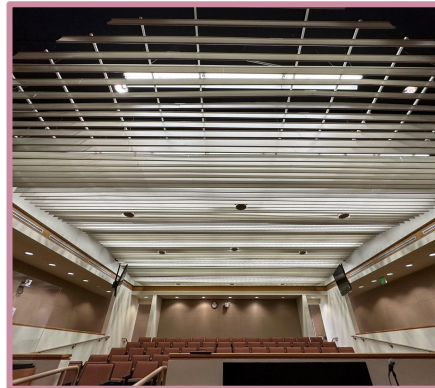
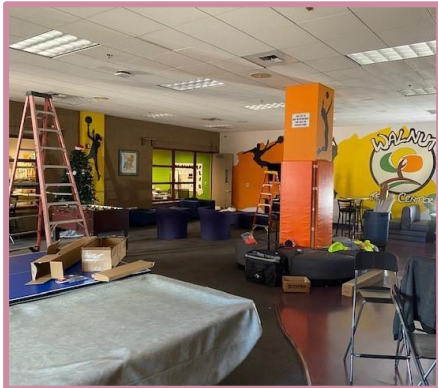
Project Metrics

Lifetime IOU electricity savings	574,407 kWh
Lifetime utility cost savings	\$81,468
Lifetime water savings	544,173 gallons



We are excited to award the City of Walnut with a cash incentive amount of \$26,743!

For lighting upgrades to the Teen Center, City Hall, and the Senior Center



The Community Services team leveraged **the City's SoCalREN membership** to receive these services at no cost:

- ⚙ Energy efficiency audit
- ⚙ Project management services
- ⚙ Financial analysis
- ⚙ Technical specifications
- ⚙ Incentive application support

Team members we worked with:

Melissa Barcelo, Community Services Director

Corinne Munoz, Management Analyst - Community Services

Together we achieved:



\$47,124 lifetime energy bill savings



192,024 kWh lifetime energy savings



Presented by: Southern California Regional Energy Network (SoCalREN)

Southern California
REGIONAL ENERGY NETWORK 

Residential Programs 2022 Accomplishments



Multifamily Program Delivered on Core Values in 2022



**Delivering
Climate
and Energy
Impacts**

7,033,773 kWh

409 kW (*highest year*)
116,044 gas savings



**97% of Gross
kWh Savings
Goal**



**Delivering
Climate
and Energy
Impacts**

\$5,384,898

in incentives

80

Projects completed

18

Active contractors



**51% DAC
(Goal – 50%)**



**Expanding
Access to
Energy
Efficiency**

16,623

Tenant units improved



*Construction jobs are calculated using project's construction value and estimating \$92,000 in project costs will equate to one construction job.- Source [ARRA Guidance](#)

Multifamily Program: Villages at Fort Irwin

- Unique property **catering to active service members** and their families
- Located **adjacent to Fort Irwin** in **San Bernardino County**
- First community within the Villages at Fort Irwin to complete construction: **Coyote Springs—a centrally-located community** surrounded by schools and playgrounds.
- 16 total communities were upgraded saving a total of more than **1.5M net kWh**
- The project contractor was **Ontario-based SitelogIQ**



Kits for Kids Program



- 70% of the schools served by the program were DAC and or Title 1 schools
- We served over 132 classrooms in LA County and 250 SoCalREN wide
- We issued over ~\$200K in grant funding to eligible classrooms
- Reached Enrollment Goal of 250 Classrooms via 53 Districts
 - 102 Schools
 - 5,872 Students



Kits for Kids is a web-based scavenger game. Where students are provided a free kit of energy efficiency measures that are installed with their parents in their home.



If 65% of the classroom students install the kits, their classroom is eligible for \$1K grant.



Workforce Education & Training Programs

2022 Accomplishments
and 2023 Outlook



2022 Sector Highlights

ACES Program Enrollment

The following information covers student enrollment in the Architecture, Construction, and Engineering Students (ACES) Pathway Program for January through September 2022.

Spring/Summer/Fall

Manufacturing & Industrial Technology MIT 220

- STEAM Legacy 14
- Alhambra Unified 22

Engineering Design & Graphics (EGD TEK) 102

- SouthEast High School 18
- Alhambra Unified 17

Engineering Design & Graphics (EGD TEK) 101 Engineering Design & Graphics (EGD TEK) 111

- Verdugo Hills High School 30

Summer Internship

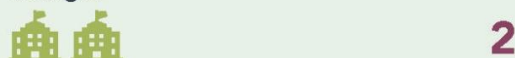
- In-Person **16** Virtual **14** 30
- CSWA Virtual 7
- CSWP Virtual 6

Partner Organizations

High Schools



Colleges



Industry Partners



Green Path Careers Program

Program Enrollment Cohort 3



Program Enrollment Cohort 4



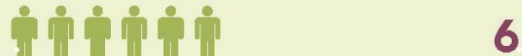
BPI Certified



Work Placement (PWEX or OJT)

0

Case Management Support



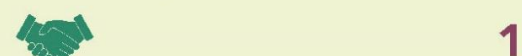
FTE Placement

0

Cohort 1

0

Partner Organizations



Regional Workforce Alliance

Workforce Partnerships



Contractor Training and Coaching

E-Contractor IBEW Training



E-Contractor Academy Level II



SoCalREN Multifamily Intro Training



Title 24 Training



GPRO 2 Day Training



Access to Capital Workshop



WE&T: ACES Pathway Program

Student Spotlights



Kuval Bora

- Alhambra HS
- UC Davis
- Aerospace Science and Engineering
- “I was motivated by ACES to learn SolidWorks and work on certifications that might make a real impact in my future.”



Ariana Zarazua

- STEAM Legacy
- Middlebury College
- Biomedical Engineering
- “...organizations such as ACES which has helped me become more career oriented and helped me get real world experience.”



Daniella Ramirez

- STEAM Legacy
- John Hopkins University
- Chemical and Biomolecular Engineering
- 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.



Kaitlin Orellana

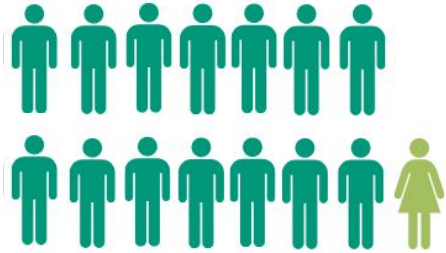
- STEAM Legacy
- UC Merced
- Mechanical Engineering
- “I want to become a successful Latina engineer. I want to be part of the next technological revolution to help improve lives and make systems more efficient as well as environmentally friendly and sustainable.”



2022 Results

Green Path Careers Program

Cohort 3

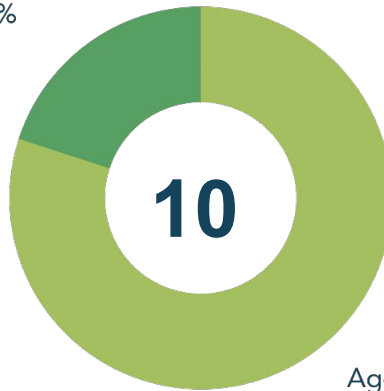


Age 18-24
100%

Cohort 4



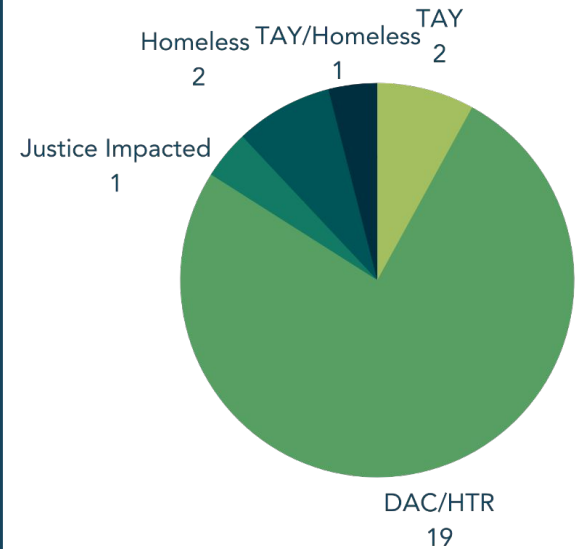
Age 25-50
20%



Age 18-24
80%



12 BPI Certified

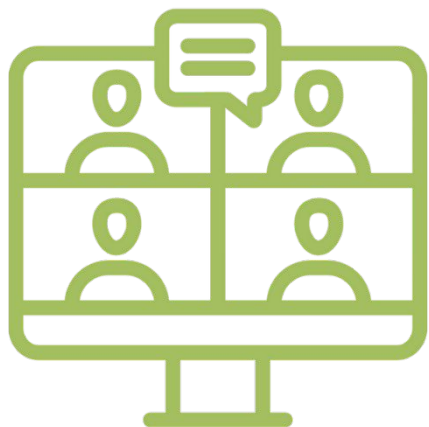


Eligibility Status



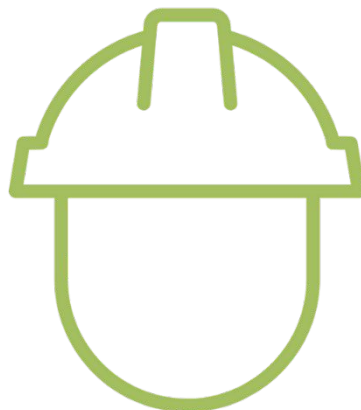
2022 Results

E-Contractor Program



10

Workshops



262

Contractors
(Goal 150)



19

Contractors Technical
Assistance/ Coaching



Future Green Leaders Summit

An all-day event for middle school students from that was held in March at the LA Convention Center that engaged, exposed and challenged students from **low income and disadvantaged communities** to explore the Green Energy Sector, one of the country's fastest growing job markets. This was done with interactive and inspiring day of activities and speakers.

Event Details

- 15 Schools
- 1,800 Students
- 180 Teachers, Parents, Chaperones
- 35 Volunteers
- 14 Workshops
- 30 Booths
- Raised \$34,500 in Sponsorships



Decision Adopting 2024-2031 Business Plans

Lujuana Medina, Los Angeles County

Business Plan Decision Approval

- **A major achievement!** In July, the CPUC approved [D.23-06-055](#) which fully funds SoCalREN's energy efficiency budget request of **\$583 million from 2024-2031!**
 - This more than doubles SoCalREN's budget from the previous cycle and positions us to continue our leadership in delivering energy savings to our communities
- In total the CPUC approved **\$4.2 billion over four years** across the state, and supports additional \$4.6 billion from 2028-2031, demonstrating strong continued support for energy efficiency
- The Decision also affirmed the unique value of RENs:
 - SoCalREN to lead innovative Community-Based Program Design and Pilot
 - Approved Rural REN
 - Clarified RENs important role in working with IOUs on a host of critical issues

SoCalREN Business Plan Sector Summary

Southern California REGIONAL ENERGY NETWORK

The Southern California Regional Energy Network (SoCalREN) was created to harness the collective power of residents, businesses, agricultural customers, and the public agencies to achieve an unprecedented level of energy savings across Southern California.



Public Agencies



Residential



Agriculture



Commercial



Workforce Education and
Training



Finance



Codes & Standards

**New Market
Sectors**



The SoCalREN Public Agency Programs are administered by the County of Los Angeles and funded by California utility ratepayers under the auspices of the California Public Utilities Commission. Learn more at socalren.org.

[Link to Business Plan](#)

SoCalREN 18-23' vs. SoCalREN 24-31'

Sector	18-23' Programs	24-31' Programs
Residential	2	3
Public Agencies	4	10
Commercial	0	4
Agriculture	0	3
Workforce, Education & Training	1	5
Finance	1	2
Codes & Standards	0	1
Total Portfolio of Programs	8	28

SoCalREN Budget Summary

Sector	New or Existing Sector	2024-2031 Budget	# of programs	# of Resource Acquisition	# of Equity	# of Market Support
Public	Existing	\$246.4M	10	3	3	4
Residential	Existing	\$121.4M	3	3	0	0
CC: WE&T	Existing	\$25.7M	5	0	3	2
CC: Finance	Existing	\$11.3M	2	0	1	1
Commercial	New	\$85.4M	4	0	2	2
Agriculture	New	\$61.4M	3	1	1	1
CC: Codes & Standards	New	\$7.0	1	0	0	1
Community Design Pilot	N/A	\$1.5M	N/A	N/A	N/A	N/A
EM&V	N/A	\$23.3M	N/A	N/A	N/A	N/A
Total	N/A	\$583.7M	28	7	10	11

SoCalREN Business Plan Program Summary

Public Sector Approvals



- The 4 existing SoCalREN Public Sector Programs and expands resources for these services to continue
- 5 new additional public sector programs that will provide comprehensive approaches that align energy efficiency with business practices and goals to achieve long-term benefits
- Develop EE and DER deployment roadmaps to strengthen the resilience of critical community infrastructure. Program will support agencies with regional planning and prioritization of project DER implementation
- Regional partners to test new and innovative intervention strategies that can then be scaled as appropriate to other regions

Existing Approved:

1. EE Project Delivery Program
2. Streamlined Savings Pathway (SSP)
3. Distributed Energy Resource Disadvantaged Communities Program (DER DAC)
4. Metered Savings Program (MSP)

NEW Approved:

1. Water Infrastructure Program
2. Water and Wastewater SEM
3. Underserved Schools SEM
4. Energy Resiliency Action Plan (ERAP)
5. Regional Partner Initiatives

Residential Sector Approvals



- The 2 existing SoCalREN Residential Sector Programs and expands resources for these services to continue
- One new residential multifamily program that provides turnkey EE measures that reduce electric, natural gas and water consumption of small apartment buildings with less than 50 units that are classified as HTR or DAC. The measures will be applicable to both tenant units and common areas, thereby reducing energy costs for both owners and tenants

Existing Approved:

1. Whole Building Comprehensive Energy Efficiency Multifamily
2. Kits For Kids

NEW Approved:

1. Small HTR Multifamily Direct Install

Workforce Education & Training Approvals



- The existing SoCalREN WE&T Program is replaced by 3 new programs based on existing sub-strategies that have built best practice models
- The programs will continue to prioritize disadvantage workers and SWMDVBEs
- New infrastructure needed to connect SoCalREN's minority contractors and disadvantaged workers to capacity-building resources and opportunities
- A program that aims to develop local skilled workforce that delivers high quality Agricultural EE services to the SoCalREN region. The trained workforce will accelerate energy savings through SoCalREN's Rural HTR Ag DI and Ag-Retrofit programs

Existing Approved:

1. Workforce Education & Training Program

NEW Approved:

1. ACES
2. Green Path Careers
3. E-Contractor Academy
4. WET Opportunity HUB
5. Agriculture

Commercial Sector Approvals



- A new commercial sector portfolio that prioritizes small and local businesses
- Will provide no-cost direct install retrofits at small commercial facilities
- Will promote and expand the existing California Green Business Network (CAGBN) and offers services and incentives to achieve green business certification
- Builds off a historical CDFA healthy stores grant program and expands this offering throughout SoCalREN territory designed to support corner stores and small businesses within food deserts across the SoCalREN region. It provides healthier food options and funds new energy-efficient refrigerators
- Educate business owners about the cost of energy and the value of efficiency, connect owners to commercial sector EE programs, and support applications for low or no-cost financing for EE measures

NEW Approved:

1. Food Desert Energy Equity Program
2. Small Commercial Direct Install Program
3. Small & Medium Business Energy Advisory
4. California Green Business Network Program

Agriculture Sector Approvals



- A new agriculture sector portfolio that prioritizes small and rural HTR AG customers
- Will provide no-cost direct install retrofits at small rural HTR AG facilities
- Building off a best practice model developed in the public sector, this portfolio will provide technical and project management services to help underserved Ag customers implement EE strategies

NEW Approved:

1. Ag Project Delivery Program
2. Agriculture Retrofit
3. Rural HTR Direct Install

Finance and Codes & Standards Approvals



- Continues the existing RLF program and approves this best practice model for agriculture customers
 - Specifically rural HTR Ag customers by providing upfront bridge funding for rural and HTR Ag customers to accelerate the completion of EE projects.
- A new program that will design and implement Codes and Standards (C&S) interventions within a framework for creating decarbonized zero net energy (ZNE) communities. SoCalREN seeks to accelerate local government leadership in energy efficiency, ZNE, and GHG goals through their regulatory authority over construction and land use

Existing Approved:

1. Public Agency Revolving Loan Fund

NEW Approved:

1. Agriculture Finance
2. Codes and Standards Program

Opportunities from the Business Plan Decision

New Opportunities: Community-Based Design Collaborative

- SoCalREN selected to lead a **Collaborative of community leaders** to participate in the development and recommendation of a process for community-designed energy efficiency programs
- Unique opportunity to put community engagement first in the design process:
 - Focused effort on engaging communities to help design the process and policy for the overall initiative
 - Communities will have a direct opportunity to design energy efficiency programs, rather than simply be a recipient of programs designed by the RENs.
- SoCalREN to facilitate Collaborative beginning in 2024. SoCalREN will then launch a pilot that is developed through the process in 2026-2027 (\$1.5M authorized)
- SoCalREN will also coordinate with other portfolio administrators to replicate the success of community-based programs across the state in the next 2028-2031 funding cycle

New Opportunities: Non-Energy Benefits Study

- A primary goal of SoCalREN is to serve hard-to-reach or underserved customers and disadvantaged communities under the Equity segment.
- Equity programs can provide increased comfort and safety, improved indoor air quality and more affordable utility bills, but these are currently not quantified by traditional metrics.
- The recent Decision requires RENs and IOUs to co-develop a NEB study, in order to:
 - Develop specific methods/approaches for quantifying Equity NEBs
 - Assess the success of these programs and whether they achieve their intended outcomes and provide tangible benefits to equity segment customers
- SoCalREN will participate in the working group to develop the plan for the NEB study. Study will be complete by October 2026, in time for incorporation and tracking in the next portfolio cycle in 2028

New CPUC Equity and Access Grant

Equity and Access Grant

- \$30 million program to provide technical assistance and capacity building for California Native American Tribes and community-based organizations (CBOs). The Grant Program strives to address the need to include the voices of underserved and underrepresented communities in CPUC decision-making processes. The program includes three grant accounts:
 - Public Participation Grants: \$3.1 million grant account will award up to \$15,000 for participating in a CPUC activity, such as a working group, panel, or focus group.
 - Equity, Engagement, and Education Grants: \$9.75 million grant account will award up to \$200,000 for work that will educate consumers or perform outreach within an underserved community on a CPUC matter.
 - Clean Energy Access Grants: \$15.65 million grant account will award up to \$500,000 for work that will address access to or education about the Microgrid Incentive Program (MIP), Self-Generation Incentive Program (SGIP), and Technology and Equipment for Clean Heating (TECH) Initiative.
- Link to website: [Equity and Access \(E&A\) Grant Program](#)
- Webinar:
 - WHEN: Wednesday, August 9, 2023
 - TIME: 10:00 a.m. – 11:30 a.m.
 - WHERE: Virtual [Register](#)

Regulatory Updates

Jesse Feinberg

Regulatory Updates

- Fixed Utility Bill Charges
- Clean Energy Financing
- Societal Cost Test
- Other Proceedings

2023: A Busy Year for Clean Energy Policy



Proposed fixed charges on utility bills based on income

Goal is to equitably boost home electrification. But there are concerns around unintended harm to energy efficiency, solar, storage, etc. Also known as “Income Graduated Fixed Charges”



New financing for non-residential customers for (almost) all clean energy technologies

Electrifying buildings and transportation, DERs, resiliency and more



Progress in measuring societal/environmental costs and benefits in programs

Measuring the value of the social cost of carbon, air quality, and methane leakage



Fixed Utility Bill Charges: A Live and Contentious Debate

What's going on?

- June 2022 AB 205 law requires CPUC to set *no less than three income graduated* fixed charges for residential electric utility bills based on customer's income.
- Doesn't increase IOU revenues, but shifts a portion of bill charges to fixed vs kWh-based

But why?!

- Make monthly electric bills more affordable and equitable, by reducing average monthly bills for low-income customers, *increasing for all others*
- Encourage widespread electrification (bills more stable even as homes electrify)

Fixed Utility Bill Charges

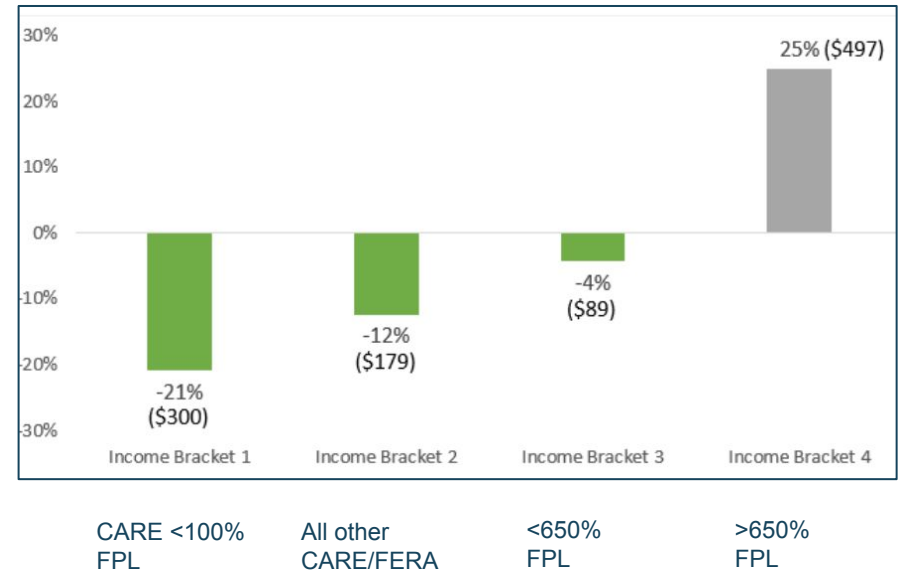
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And the impact?

- Lower rates for some, but could negatively impact:
 - Efficiency/conservation
 - Solar/Storage uptake
 - Reduced difference between peak times for DR/variable rates
 - Customers who are already highly efficient energy users

Average IOU Annual Difference By Income Bracket



What's next?

- CPUC Ruling expects Proposed Decision in Q1 2024; in effect 2026
- Multiparty petition under consideration to hold public participation hearings



Clean Energy Financing: Not Just for Energy Efficiency Anymore

What is it?

- CPUC is expanding on-bill financing (OBF) programs beyond EE – offering non-residential IOU customers access to building decarbonization, transportation electrification, resiliency and DERs

Why take advantage?

- Zero interest, fees, or prepayment penalties. But failure to repay can result in disconnection

What happens next?

- IOUs to propose eligible OBF clean energy technologies; CPUC must approve
- Tariff on-bill working group to develop joint proposal in 6 months



Societal Cost Test: A Test Your Community Might Not Mind Taking

What's that?

- SCT is a measurement of value of a distributed energy resource (DER) program to society, including environmental benefits (social cost of carbon, air quality, methane leakage)

Does it matter?

- SCT is not new! But the CPUC now wants to know if it should apply more broadly to all DERs. Waiting for CPUC Decision

Other Proceedings

Proceeding # Proceeding Topic Update

R.19-09-009	Microgrids	<ul style="list-style-type: none">• D.23-04-034 adopts Microgrid Incentive Program (MIP) implementation rules.• MIP handbook ~Oct 2023.• First application window ~July 2024.
A.21-12-009	SCE Building Electrification Program	<ul style="list-style-type: none">• Review of \$680M 2024-2027 Application ongoing• PD expected 2024
R.22-10-013	DER Program Issues	<ul style="list-style-type: none">• Should CPUC adopt Societal Cost Test?
R.22-07-005	Advance Demand Flexibility through Electric Rates	<ul style="list-style-type: none">• Track A: Income-Graduated Fixed Charge• Track B: Adopting Demand Flexibility rates
R.18-12-006	Vehicle Electrification	<ul style="list-style-type: none">• Complying with D.22-11-040 to set up 2025-2029 funding cycle

Closing Remarks

Lujuana Medina, Los Angeles County
Laurel Rothschild, The Energy Coalition



You're Invited!

SoCalREN Leadership Luncheon

September 6
9:30 AM - 2:30 PM
California Endowment Center
Los Angeles

Exclusive panels by local, state, and federal agencies, Energy Champion awards, and more!



10
YEARS

SoCalREN 

Empowering
Sustainable Communities

RSVP

bit.ly/scr10year

Southern California
REGIONAL ENERGY NETWORK 

SoCalREN Podcast & Social



Don't forget to listen to SoCalREN's podcast and follow us on social media!



<ul style="list-style-type: none">• SoCalREN's sixteenth episode of <i>ReEnergizing Communities</i> recently released featuring Pam Bold and HSEF!• Currently available on Spotify and Apple Podcasts platforms	<p>@SoCalREN</p>	<p>linkedin.com/company/southern-california-regional-energy-network</p>	<p>@_SoCalREN</p>	<p>@_SoCalREN</p>
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Online Resource for Advisory Committee Members



Advisory Committee



Working Group Updates

As needed documents such as operating structure, meeting minutes and opportunity trackers.

[More Info](#)



Regulatory Reports

Monthly regulatory reports and proceeding updates.

[More Info](#)



Advisory Committee Meeting Materials

Quarterly meeting materials such as agendas, minutes, presentations and other supporting documents.

[More Info](#)

2023 Meeting Proposed Schedule



Quarter	Date	Time
Q1	March 22nd	10:30 am - 12 pm
Q2	July 26th	10:30 am - 12 pm
Q3	September 6th	3:00 pm - 4:30 pm (in-person)
Q4	December 13th	10:30 am - 12 pm

Please take a minute to complete our [July 2023 Meeting Survey!](#)