

SoCalIREN Advisory Committee Meeting

Wednesday, June 15, 2022

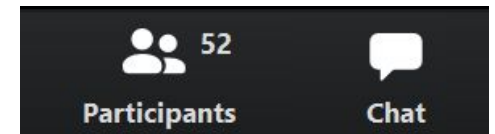
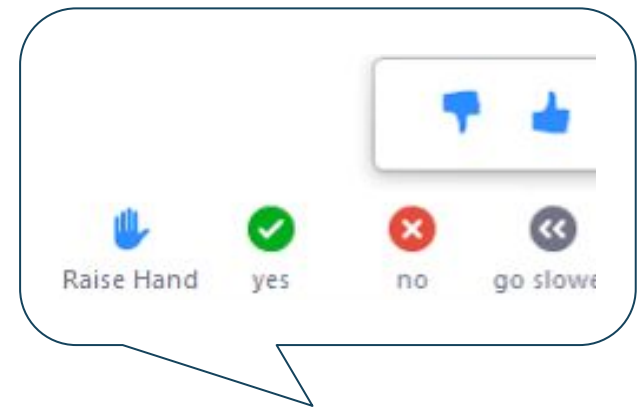
10:30 am - 12:00 pm

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 Udval Tsolmonkhuu at ***utsolmonkhuu@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!



Introductions

Who is participating today?

Advisory Committee Members



Invited Guests



GROUND

SoCalREN Staff, Implementers & Regional Partners



SoCalREN Advisory Committee



Guide and Advise



Collaborate & Innovate



Be Informed



Be an Advocate

Agenda

SoCalREN Welcome	Minh Le	10 min
Regulatory Update	Patrick Ngo	30 min
SoCalREN 2021 Annual Report Review	Lujuana Medina & Sheena Tran	30 min
Funding Opportunities	Laurel Rothschild	15 min
Closing Remarks	Minh Le	5 min

SoCalIREN Welcome

Minh Le, Los Angeles County

Breakout Rooms - Quick Connect

- Introduce Yourself!
- What are you looking forward to most this summer?
- Bonus Question
 - Share a word or phrase that represents how you feel about 2022.

Regulatory Updates

Patrick Ngo, Lincus

R.13-11-005 EE Rolling Portfolio / CAEECC



Recent Development	Impact to LG & Constituents Served
<ul style="list-style-type: none">SoCalREN 2021 Annual Report released	<ul style="list-style-type: none">Highlights 2021 accomplishments and provides 2022 outlook
<ul style="list-style-type: none">CAEECC - Composition, Diversity, Equity, and Inclusion (CDEI) working group final report released	<ul style="list-style-type: none">CAEECC adds “Justice” to WG name. See line item below.
<ul style="list-style-type: none">CAEECC - Justice, Equity, Diversity & Inclusion (JEDI) working group	<p>Next steps:</p> <ul style="list-style-type: none">Phase 1 – develop compensation mechanism for eligible membersPhase 2 – advance JEDI efforts

What's next:

- CPUC to focus on Business Plan reviews in second half of 2022

A.22-03-011 - SoCalREN 2024-2031 Business Plan



What: Authorization and funding for 2024-2031 EE programs

What's new:

- SCR proposes 21 new programs (28 total)
- SCR proposes launching new sectors:
 - Agricultural, Commercial, and Codes and Standards
- SCR replied to data requests from 3C-REN and Public Advocate's Office

What's next:

- CPUC expected to release BP review schedule in June
- Final Decision expected by late summer of 2023
- SCR BP documents and public webinar recording can be found [here](#)

A.21-12-009 - SCE Application for Building Electrification Programs

What's new:

- SCE requesting \$677m for 2024-2027 to:
 - 1) Install 250,000 electric heat pumps and provide electrical upgrades for 65,000 households
 - Emphasis on low-income, Environmental and Social Justice (ESJ) and vulnerable communities
 - 2) Provide retrofit assessments and electrification upgrades to residential customers
 - 3) Provide electrification support to businesses

What's next:

- CPUC to review SCE's proposal in 2022
- Final Decision expected by April 2023

R.20-08-022 - Clean Energy Financing

What: Explore comprehensive financing strategies for customers to invest in clean energy technologies

What's new:

- 7 parties including LGSEC, SCE, and SoCalGas submitted program proposals
- IOU proposals focus on expanding OBF offerings outside of EE (electrification, transportation electrification, etc.)

What's next:

- Parties to submit community feedback and revised proposals (due June 15)
- Opening Comments on revised proposals (due June 29)
- Final Decision expected by November 2022

R.20-08-022 – Clean Energy Financing Proposals

Program Administrator	Proposal(s)
<ul style="list-style-type: none"> SCE 	<ol style="list-style-type: none"> Expand existing non-Residential OBF outside of EE Launch new Residential Tariffed On-Bill (TOB) program <ul style="list-style-type: none"> For EE or electrification measures
<ul style="list-style-type: none"> SoCalGas 	<ol style="list-style-type: none"> Expand existing non-Residential OBF <ul style="list-style-type: none"> Distributed Energy, Microgrids, Hydrogen, etc. Extend OBF to Residential customers <ul style="list-style-type: none"> Water Heating, Solar Thermal, Pool Heaters, etc.
<ul style="list-style-type: none"> Local Government Sustainable Energy Coalition (LGSEC) 	<ol style="list-style-type: none"> Proposes Decarbonization Incentive Rate (DIR) <ul style="list-style-type: none"> Provide customers who switch from gas to electric a discounted rate for the incremental (additional) electricity consumed. Proposed discounted rates <ul style="list-style-type: none"> 32% reduction for residential SCE customers 26% reduction for bundled SCE customers Collaboration with Santa Barbara Clean Energy (SBCE) as a pilot sponsor

R.20-08-020 - NEM 3.0 - Net Billing Tariff

What: Tariff for customers who generate their own energy and receive credit for any surplus sent to the grid

What's new:

- Lookback study suggests that current NEM 2.0 tariff negatively impacts non-participant rates and disproportionately harms low-income ratepayers
- December Proposed Decision introduces NEM 3.0 that could significantly increase payback on solar projects
- Commission put PD on indefinite hold based on opening comments
- Commission recently requested additional party feedback through Ruling on:
 - Glide Path Approach
 - Non-Bypassable Charges
 - Community Solar Tariff Programs

What's next:

- Reply comments on recent Ruling are due July 1

2021 Annual Report Highlights

Lujana Medina and Sheena Tran, Los Angeles County

2021 Portfolio Performance



Public Sector



- **11,249,521 kWh Savings**, 9,000,000+ in Underserved Communities
- **\$1,600,000+** in Energy Bill Savings
- **\$2,100,000M+** in Incentives
- **211** Total Agencies Enrolled in SoCalREN



Residential Sector



- **4,054,825 Net kWh Savings**, 2,351,337 in Disadvantaged Communities
- **\$5,429,128** Total Incentives Paid to Multifamily Properties
- **12,812** Tenant Units Improved
- **6,500** Elementary School Students Educated



Finance Sector



- **\$1,749,211** Total Funding Issued for Energy Efficiency Projects
- **758,270** Net kWh Savings Attributed to Revolving Savings Fund Projects



WE&T Sector



- **170** Contractors Trained on Clean Energy Topics
- **\$27,000+** Total Wages Paid to ACES Pathway Program Student Interns



5,699,347 kWh
Total Savings



214,720 therms
Total Savings



5,175 Metric Tons CO₂e
Total Reduction



Environmental Equivalency Impacts



GHG emissions from
12,099,508 miles
driven by a gas-powered
vehicle



Carbon sequestered by
80,601 tree seedlings
grown for 10 years



CO₂ emissions from the
energy used to power
614 homes
for a year

Public Agency Programs

SoCalREN Advisory Committee

2021 Public Sector Accomplishments

SoCalREN's Public Sector Programs offer a customer centric and comprehensive approach to helping agencies complete energy efficiency projects and focuses on ensuring equitable access to programs in underserved communities. From initial energy benchmarking through project closeout, SoCalREN works alongside agency staff—all at no cost to the agency.

Delivering Climate and Energy Impacts



11,249,521
kWh, 9+M in underserved communities



714
kW, 648 in underserved communities



19,535
therms, 19,052 in underserved communities



2,375
MT GHG reduction, 2,068 in underserved communities

Building Energy Capacity and Economic Resilience

- ✓ **58** completed projects
- ✓ **35** new agencies enrolled
- ✓ **157** jobs supported
- ✓ **21** outreach events
- ✓ **30** unique outreach materials

\$1.6M+ in energy bill savings
\$2.1M+ in incentives
\$378,360 in OBF reserved
\$1.7M in RSF disbursed

Expanding Access to Energy Efficiency

200+ SoCalREN celebrates its 200th agency enrollment!

- **22** new underserved agencies enrolled in 2021
- **37** Pathway to Zero reports delivered to underserved communities
- **18** DER audit reports delivered to underserved communities
- **34** completed 2021 projects in underserved communities
- **35** Underserved agency sites benchmarked



2021 Regional Partner Highlights



23

enrollments

10 cities, 7 school districts & charters,
1 county, 1 water district, and 4
special districts



5

**education and
training events**



26

**toolkit
registrations**



15

**enrolled agencies
serving underserved
communities**



14

CEAs presented



6

**engagement and
recognition
presentations**



14

**unique collateral
materials developed**



27

**newsletters and
email campaigns**



120+

social media posts



8,500+

impressions

2021 Project Highlight

16,000+
students served

Ventura Unified School District Lighting Upgrades (14 sites)

- Energy reduction % across sites: 30%
- Lifetime cost savings: \$3.2M
- Simple payback period: 6.9 years
- Prop 39 Grants Secured: \$2.2M
- SCE Incentives Secured: \$114,180
- Impact: 675 metric tons of GHG reduced

Project Delivery Program Services



Project
Management



Technical
Review



Financial Analysis/
Support



Energy
Analysis



Audit/
Calculations



Design/
Scope of Work



Southern California
REGIONAL ENERGY NETWORK

2021 BMCTA I Project Highlight: City of Santa Paula



With SoCalREN’s support, the City of Santa Paula recently completed a large energy efficiency and solar feasibility assessment. SoCalREN analyzed 100+ of the city’s electricity meters to identify solar photovoltaic (PV), battery energy storage system, and electric vehicle (EV) charging opportunities. The study findings empowered the City to act quickly to secure council approval and funding to bring these clean energy technologies and benefits to their community.

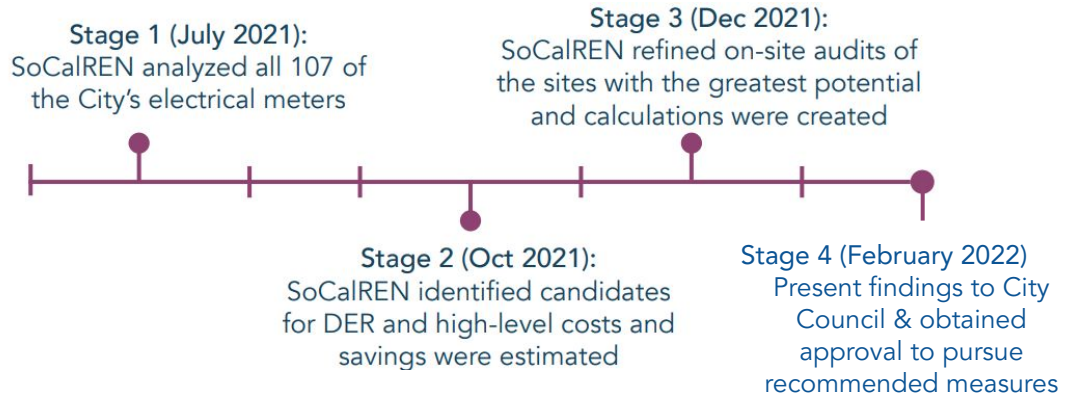
The support received from SoCalREN's project manager was instrumental and its involvement in the entire Energy Efficiency Plan process and solar panel installation site assessment could not be achieved without their partnership and service delivery model.”
-Joseph Alvarado, Management Analyst



881,256 kWh
potential citywide energy savings



\$214,258
potential cost savings from EE, solar, & battery energy storage system



2022 Programs and Offerings

- **2022 Public Sector programs include:**

- Project Delivery Program
- Pathway to Zero Program
- Revolving Savings Fund
- Metered Savings Program - **Now with incentives!**
- Streamlined Savings Pathway - **NEW!**
 - Expedited custom & deemed incentives offered

- **Regional Partner Initiatives**

- Energy Resiliency Action Plan
- Facility Equipment Inventory
- eSGV's home energy assessments

- **Public Power-Up Program**

- Direct Install EV charger installations



The eSGV Program helps SGV residents reduce energy use and save money! Schedule an assessment and receive personalized energy efficiency recommendations & savings resources.

Residential Programs

SoCalREN Advisory Committee



2021 Sector Performance

SoCalREN's Residential Sector focuses on two distinct groups to maximize impact in the communities we serve: a **Multifamily Program** serving apartment communities, and our **Kits for Kids** Program for elementary school students, their teachers, and their families.

Delivering Climate and Energy Impacts



4,312,867

Net kWh Savings, 2,351,337 in Disadvantaged Communities



214,720

Net Therms Savings, 114,405 in Disadvantaged Communities

Environmental Equivalency Impacts



Carbon sequestered by **67,169** trees grown for 10 years



GHG emissions reduced from **10,209,054** miles driven by an average passenger vehicle

Building Energy Capacity and Economic Resilience



\$5,429,128

Total Incentives Paid to Multifamily Properties

\$10,337,343

Total Construction Project Costs



59

Completed Projects

100+

Construction Jobs Created



6,500

Elementary School Students Educated

Expanding Access to Energy Efficiency



12,812

Tenant Units Impacted



51%

Completed Projects in Disadvantaged Communities



76%

DAC Schools Participation



Case Study: Towne Avenue Elementary School

“These kits were a great introduction to the importance of conservation while simultaneously providing timely science lessons. Thank you!”

– Paul Zinza, K4K Participating Teacher, Towne Avenue



- April 7, 2022: Big check grant ceremony for 2021 participating school Towne Avenue Elementary.
- Two fourth grade classrooms from the school completed the Program and received \$1,000 each. The school received the checks prior to the Big Check event.
- Carson City Council Member Cedric L. Hicks, Sr. presented certificates of recognition.
- Towne Avenue plans to use the grant funding to purchase classroom sets of books as well as a 3D Printer.



2022 Residential Programs

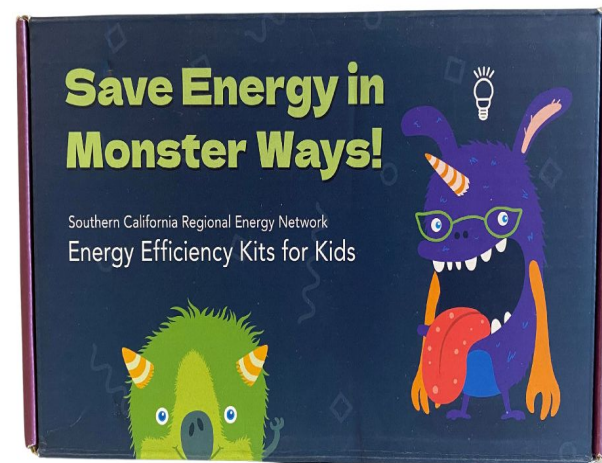
The **Multifamily Program** provides incentives and technical support to encourage energy efficiency upgrades benefitting multifamily properties and the residents who call them home.

- **Comprehensive Common Area** pathway provides incentives for upgrades to lighting, water heating, pool, and laundry.
- **Whole Building** program provides incentives per kWh/therm based on overall energy savings.
- Increased incentives for properties located in Disadvantaged Communities.

socalren.org/multifamily

Kits for Kids provides third and fourth grade classes in participating schools with energy efficiency activities, no-cost measures to install with adults at home, and access to a fun and educational interactive online game. Teachers in classrooms that achieve 65% participation receive a \$1,000 grant.

socalren.org/kitsforkids



Workforce, Education & Training Programs

SoCalREN Advisory Committee



ACES Program Enrollment

The following information covers student enrollment in the Architecture, Construction, and Engineering Students (ACES) Pathway Program for January 2021 through December 2021.

Students enrolled in Spring 2021:

- **Engineering Design & Graphics (EGD TEK) 111** STEAM HS and Southeast High School (HS) **15**
- **Engineering Design & Graphics (EGD TEK) 221** STEAM HS **9**
- **Electrical Engineering (EET) 123** Alhambra Unified School District (USD) **30**

Students enrolled in Summer 2021:

- **General Engineering (GE) 101** Alhambra USD **39**
- **Engineering Design & Graphics (EGD TEK) 102** Alhambra USD and Southeast HS **21**

Students enrolled in Fall 2021:

- **Engineering Design & Graphics (EGD TEK) 121** STEAM HS **10**
- **Manufacturing & Industrial Technology MIT 220** Alhambra USD **25**

Students who earned:

- **Programming Skills Certificate** with East Los Angeles Community College **8**
- **Engineering Graphics & Design Skills Certificate** with East Los Angeles Community College **7**

Students:

- **Participating in Internship** **23**
- **Passed SOLIDWORKS Associate** **6**

Green Path Careers Program

Launched October 29, 2020 in partnership with:

- San Gabriel Valley Council of Governments
- Hathaway-Sycamores
- Los Angeles County Department of Workforce Development, Aging, and Community Services

Program Enrollment Cohort 1



BPI Exam and Work Placement



Program Enrollment Cohort 2



BPI Exam and Certification



COVID-19 Response

Student and contractor training activities transitioned to an online format.



Contractor Training and Coaching

E-Contractor National Convening



E-Contractor G-PRO Training



G-PRO Certified



E-Contractor Training – Coaching



E-Contractor Training – SCE Heat Pumps



E-Contractor Training – Title 24



SoCal Gas – Certified Green Building Training



E-Contractor G-PRO Training (12/15/21–1/15/22)



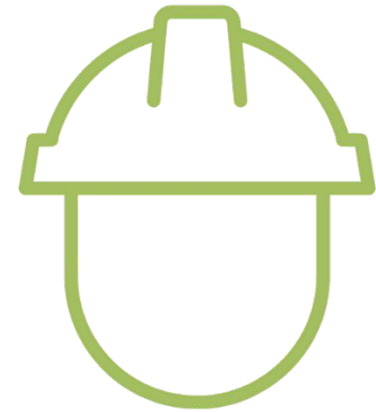
Workforce Partnerships



E-Contractor Program Accomplishments



6 Workshops



114 Contractors



44 Contractors
Technical
Assistance/Coaching



Green Path Careers Accomplishments

Cohort 1



Age 25-34
10%



Age 18-24
90%

Cohort 2

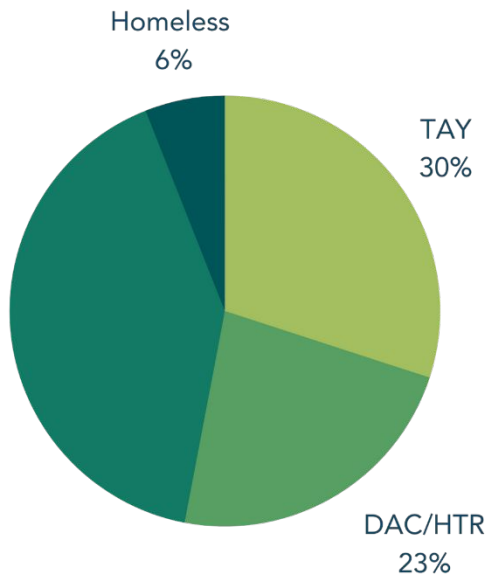


Age 60-69
14.3%



Age 50-59
14.3%

Age 30-49
71.4%



Homeless
6%

TAY
30%

Justice Impacted
41%

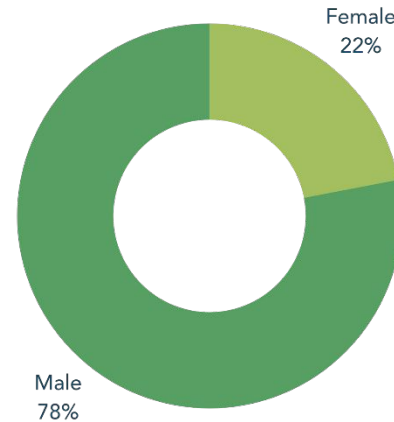
DAC/HTR
23%



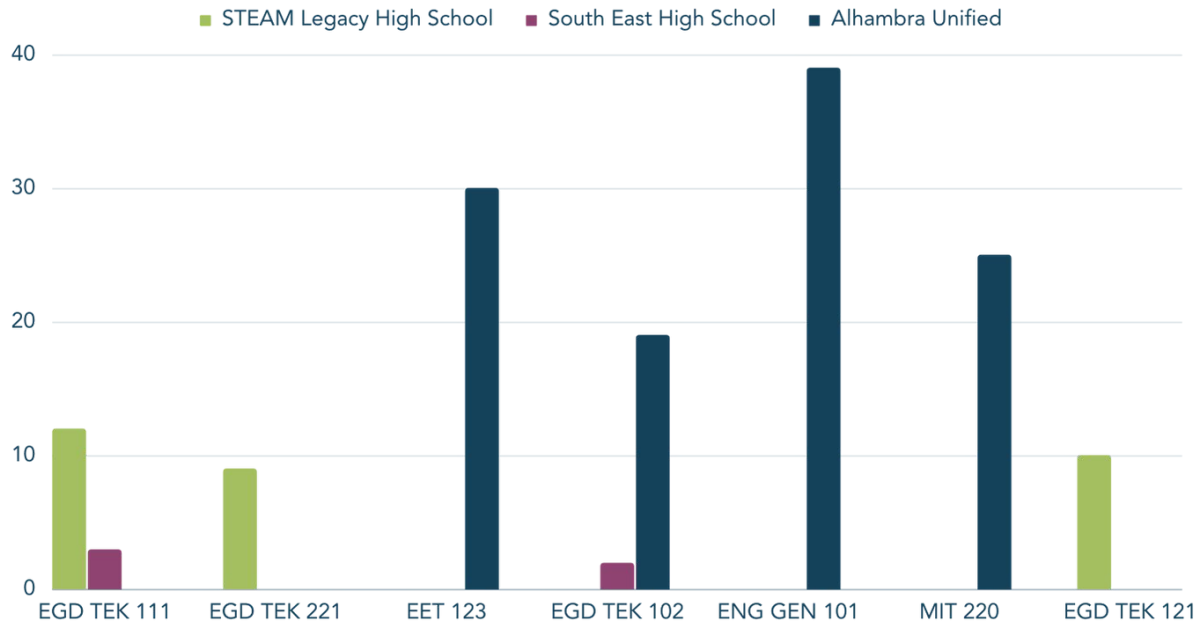
ACES Pathway Accomplishments



LA Mission College
Spring 2022 Start



149 Students



2021 Enrollment by HS

39% Female since inception of program. 3% National US average.



Internship Program Accomplishments



6 In-Person



17 Virtual



1808.5 Hours Worked



\$27,127.50 Earned



6 CSWA Industry
Certifications Achieved



3 Employer Partners



WE&T Sector 2022 Program Offerings

E-Contractor	ACES	GPC
Level 2 Academy <ul style="list-style-type: none">Public Procurement Courses	LA Mission College <ul style="list-style-type: none">Curriculum development of industry recognized skills certificates	Cohort 3 <ul style="list-style-type: none">Paid Work Experience phase
	Expansion of services to San Bernardino County	Cohort 4 <ul style="list-style-type: none">Recruitment and enrollment



Funding Opportunities

Laurel Rothschild, The Energy Coalition

Grant Working Group Updates



— BUREAU OF —
RECLAMATION



CALIFORNIA
STRATEGIC
GROWTH
COUNCIL

Grant Name	<u>WaterSMART Water and Energy Efficiency Grant Program</u>	<u>Regional Climate Collaboratives Program</u>
Description	Available to public agencies with water or power delivery authority. 50/50 cost share for project that contribute to water supply reliability, including water conservation and renewable energy projects. There is a 50% cost-share requirement.	The program funds Collaboratives to conduct place-based capacity building activities, within a three-year grant term, that support under-resourced communities in accessing funding and resources to plan and implement climate mitigation, adaptation, and resiliency projects.
Award Amount/ Funding Available	Smaller projects (2 yrs): up to \$500k Larger projects (3 yrs): up to \$5 million	Available funding: \$8,350,000 Awards: \$500k - \$1.75 million
Application Due Date	7/28/2022	Pre-proposals due 7/15/22 Due 10/7/22

 **More details available on tracker!**

Southern California
REGIONAL ENERGY NETWORK 

State Budget for Climate Resilience



- 2022-23 State budget to be [passed on June 15th](#) (today)
- Total of \$32 billion in climate resilience investments over 4 yrs within following categories:
 - Climate Resilience
 - Water resilience and drought response
 - Extreme heat
 - Nature-based solutions
 - Wildfire and forest resilience
 - Cap-and-trade expenditure plan
 - Energy
 - Establishment of strategic electricity reliability
 - Accelerating clean energy and storage projects
 - Clean energy financing
 - California arrearage payment program (CAPP)
 - Carbon removal
 - Climate Innovation
 - Lithium Valley Development

Programs for Climate Resilience



Category	Program	Department	Funding
Extreme heat	Cool Communities Resilience Centers	SGC	\$170M over 2yrs
Extreme heat	Community-based public awareness campaign about risks of extreme heat	OPR	\$20M over 2yrs
Extreme heat	Build a Climate Smart Workforce: Extreme Heat High Road Training, Partnerships, and Apprenticeships Programs	Workforce Development Board	\$17M over 2yrs
Energy reliability	Residential Solar & Storage incentives	CPUC	\$970M over 2yrs (\$670M for low-income households)

Closing Remarks

Minh Le, Los Angeles County

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 tenth episode of <i>ReEnergizing Communities</i> recently released featuring USGBC-LA!• 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](#)

2022 Meeting Schedule



Quarter	Date	Time
Q1	March 16th	10:30 am - 12 pm
Q2	June 15th	10:30 am - 12 pm
Q3	September 14th	10:30 am - 12 pm
Q4	December 14th	10:30 am - 12 pm

Please take a minute to complete our [Q2 Meeting Survey!](#)