

SoCalIREN Advisory Committee Meeting

Thursday, October 13, 2022

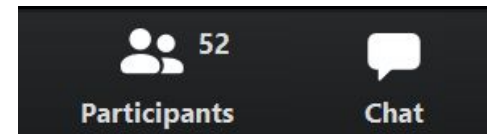
10:30 am - 12:00 pm

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



SoCalREN Staff, Implementers & Regional Partners



SoCalREN Advisory Committee



Guide and Advise



Collaborate & Innovate



Be Informed



Be an Advocate

Agenda

SoCalREN Welcome	Minh Le	5 min
Networking	All	10 min
Regulatory Updates	Patrick Ngo	20 min
GCCOG Energy Resilience Action Plan Update	Sumire Gant	20 min
Funding Opportunities – Inflation Reduction Act (IRA)	Erica Larson	30 min
Closing Remarks & Reminders	Laurel Rothschild	5 min

SoCalIREN Welcome

Minh Le, Los Angeles County

Breakout Rooms

Quick Connect



- What excites you most about the upcoming IRA opportunities?
- Are you planning on taking advantage of IRA funding (either at home or at your agency)?

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">CA Heat Pump Residential Market Study	<ul style="list-style-type: none">Develop market baseline of heat pump costs and market characterizationTransition towards decarbonization
<ul style="list-style-type: none">ALJ Ruling on EE Issues (July 2022)	<ul style="list-style-type: none">SoCalREN requests for streamlined data access from investor-owned utilities to enhance SoCalREN programs
<ul style="list-style-type: none">CPUC Metrics Workshop (Sept 2022)	<ul style="list-style-type: none">Establishing Market Support, Equity, and REN metrics

What's next:

- Focus is on Business Plan review

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



What: Authorization and funding for 2024-2031 EE programs

What's new:

- SCR replied to various BP data requests
- CPUC requesting additional feedback on:
 - Community engagement, EE innovation, aligning with external funding, integration with IDSM
- SCR BP documents and public webinar recording can be found [here](#)

What's next:

- Intervenor Testimonies due 10/21
- SoCalREN's rebuttal to intervenor testimonies due 11/21
- Final Decision expected by Q3 2023

A.22-03-011 – BP

Natural Gas EE Incentives



What: To advance decarbonization, CPUC proposes plan to phase out ALL natural gas EE incentives by 2032.

What's new:

- CPUC releases [Staff Proposal](#) with step-down plan (Aug 2022)
 - Begin phase out of natural gas EE incentives starting in 2024
- SoCalREN [requests](#) impact report and increased outreach and workforce funding for decarbonization efforts (Aug 2022)

What's next:

- CPUC to review party comments and issue proposed decision
 - Schedule TBD

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 financing proposals (April 2022)
- Parties submitted community feedback and revised proposals (June 2022)

What's next:

- Proposed Decision regarding financing proposals expected in Q4 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

□ IOU proposals focus on expanding OBF offerings outside of EE: electrification, transportation electrification, etc.)

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:

- [Proposed Decision](#) introduces NEM 3.0 that could significantly increase payback on solar projects (Dec 2021)
- Commission put PD on indefinite hold based on party comments
- Commission requested additional party feedback (May 2022)
 - Glide Path Approach
 - Non-Bypassable Charges
 - Community Solar Tariff Programs

What's next:

- Revised NEM 3.0 tariff proposed decision from CPUC
 - Schedule TBD

R.19-09-009 Microgrid



Recent Development	Impact to LG & Constituents Served
<ul style="list-style-type: none">Draft Microgrid Incentive Program (MIP) Implementation Plan (Dec 2021)	<ul style="list-style-type: none">\$200m statewide for 10 projects per IOU territory
<ul style="list-style-type: none">ALJ Ruling requesting comment on the MIP Staff Proposal (July 2022)	<ul style="list-style-type: none">Presents ED recommended MIP Implementation Plan improvements across 8 areas.
<ul style="list-style-type: none">CPUC – Resiliency and Microgrid Working Group meetings	<ul style="list-style-type: none">Facilitating discussions to support resiliency efforts and commercialization of microgrids

What's next:

- CPUC to issue proposed decision on Microgrid Incentive Program (MIP)
- CPUC to launch multi-property microgrid tariff development
 - Schedule for both items TBD

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

What's next:

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

R.22-07-005 – Advance Demand Flexibility through Electric Rates



What: Commission to establish policies and modify electric rates to enable widespread demand flexibility (July 2022)

Impact:

- Enhance reliability of CA's electric system
- Make electric bills more affordable and equitable
- Enable widespread electrification of buildings and transportation

What's next:

- CPUC to release list of issues to be addressed and proceeding schedule
 - Schedule TBD

GCCOG ERAP Update

Sumire Gant, GCCOG



GATEWAY CITIES
COUNCIL OF GOVERNMENTS

Energy Resilience Action Plan Initiative

Energy Resilience Action Plan (ERAP) Initiative

Sumire Gant
Regional Coordinator
Gateway Cities Council of Governments





Energy Resilience Action Plan Pilot

What is an Energy Resilience Action Plan (ERAP)?

- Provides a roadmap to prioritize near- to long-term energy resilience strategies
- Uses data-driven analysis to develop recommendations for capital projects that will strengthen the energy resilience of cities and their communities
- Provides a strong basis for cities to secure grant funding to deliver projects identified in the ERAP to support their communities' needs





Energy Resilience Action Plan Pilot

Why did the Gateway COG Propose an ERAP?

Only five of 27 cities have an Energy Action Plan

The COG had developed a Climate Action Framework

Only three of the COG's 27 cities have a Climate Action Plan.





Energy Resilience Action Plan Pilot

ENERGY RESILIENCE ACTION PLAN (ERAP)

ERAP Pilot
Proposed

2020

PILOT TIMELINE

ERAP Pilot Project
Development

2021

City Selection &
ERAP Reports (3)

2022

Energy Resilience
Action Plans (3)

2023

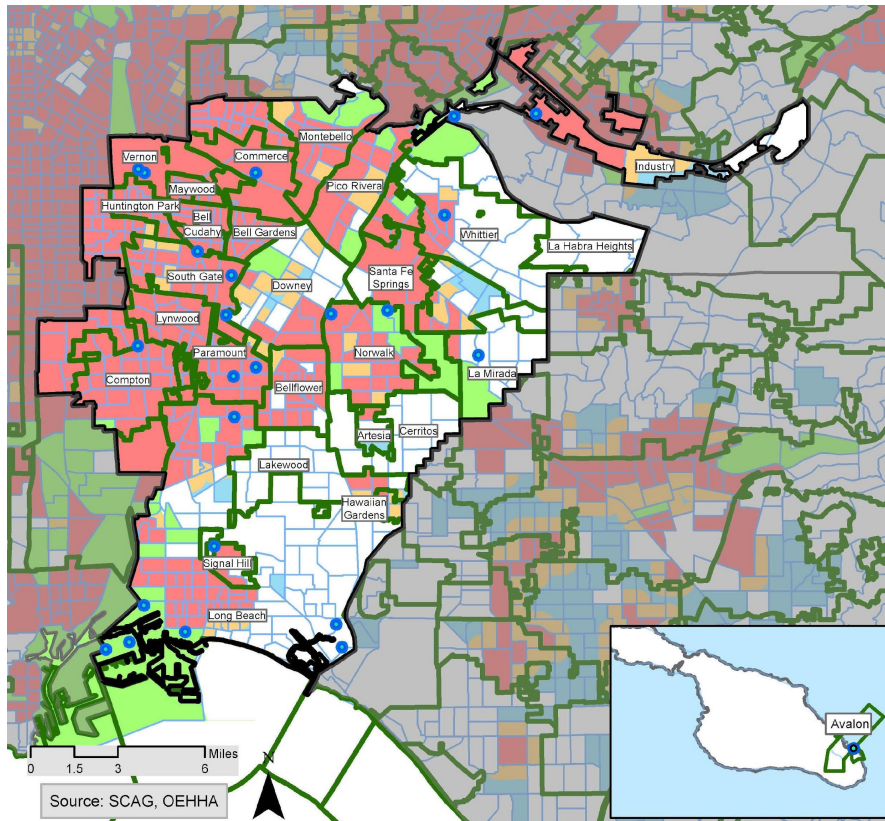


GATEWAY CITIES

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Energy Resilience Action Plan Pilot

CHOOSING THREE CITIES: AN EQUITABLE PROCESS



Legend

- Cap and Trade Facilities
- SB 535 Disadvantaged Communities (25% GGRF \$)
- AB 1550 Low-income Communities (5% GGRF \$)
- SB535 Disadvantaged Communities and AB 1550 Low-income Communities (30% GGRF \$)
- AB 1550 Low-income Communities within 1/2 mile of a SB535 Disadvantaged Communities (5% GGRF \$)



Energy Resilience Action Plan Pilot

IDENTIFYING THE MOST VULNERABLE CITIES



Los Angeles County
Vulnerability Assessment



USC Price School Neighborhood
Data for Social Change (NDSC)



Gateway Cities
Vulnerability Ranking





Energy Resilience Action Plan Pilot

USC NEIGHBORHOOD DATA FOR SOCIAL CHANGE

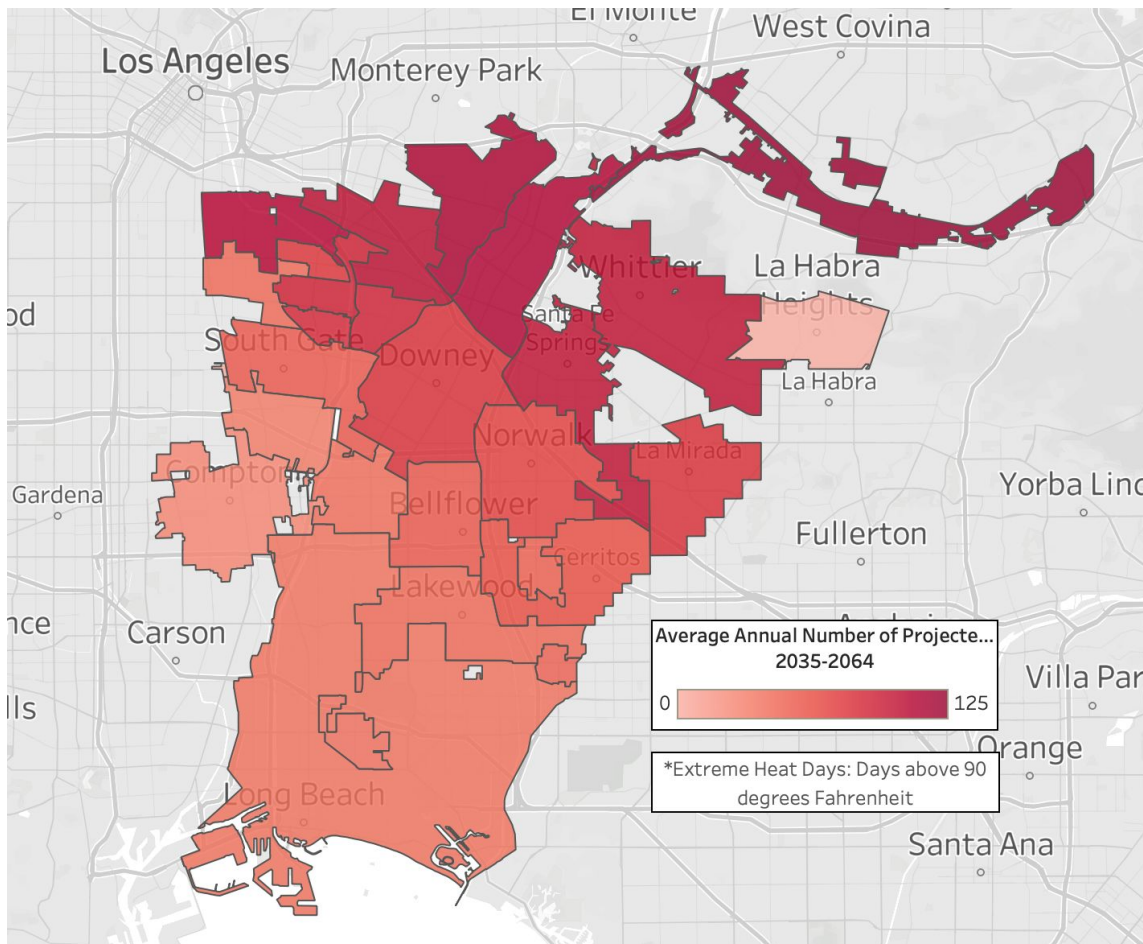


<https://la.myneighborhooddata.org/2022/08/climate-change-in-the-gateway-cities/>





Energy Resilience Action Plan Pilot



EXTREME HEAT DAYS (2035-2064)

"In the coming decades, the countywide daily maximum temperature will rise by an average of 5.4 degrees Fahrenheit and the average number of heat waves is expected to increase tenfold by mid-century. Extreme heat days also increase the burden on energy infrastructure."

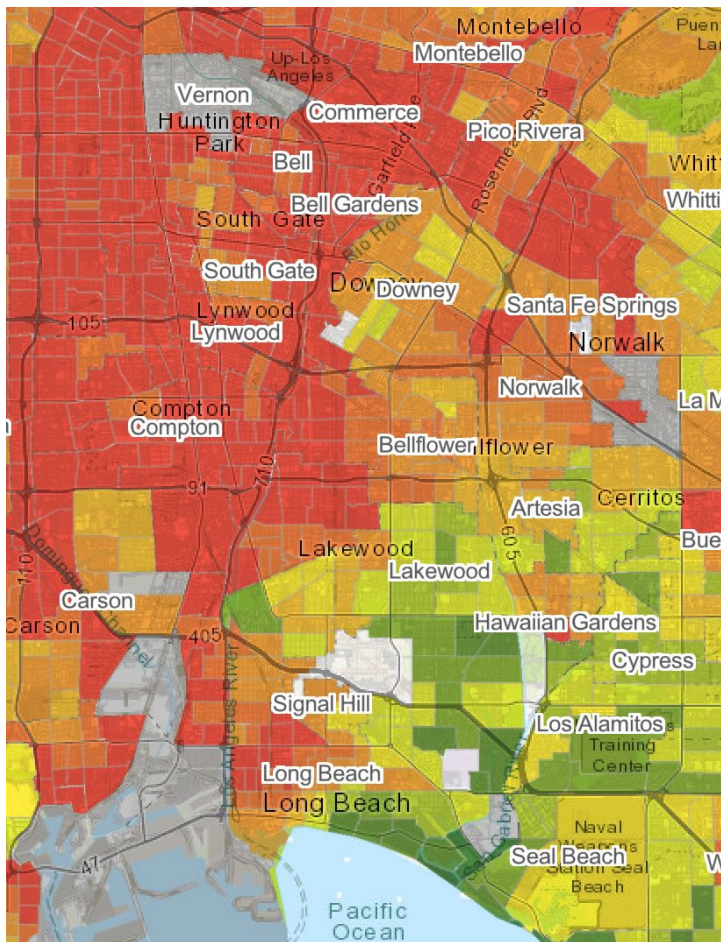
Source: USC NDSC



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Energy Resilience Action Plan Pilot



CAL ENVIROSCREEN 4.0

Three-quarters of the residents in the Gateway Cities COG reside in census tracts that have been classified by CalEPA as “disadvantaged.”

Disadvantaged communities disproportionately bear the brunt of climate change burdens and are much less resilient to it than other communities.

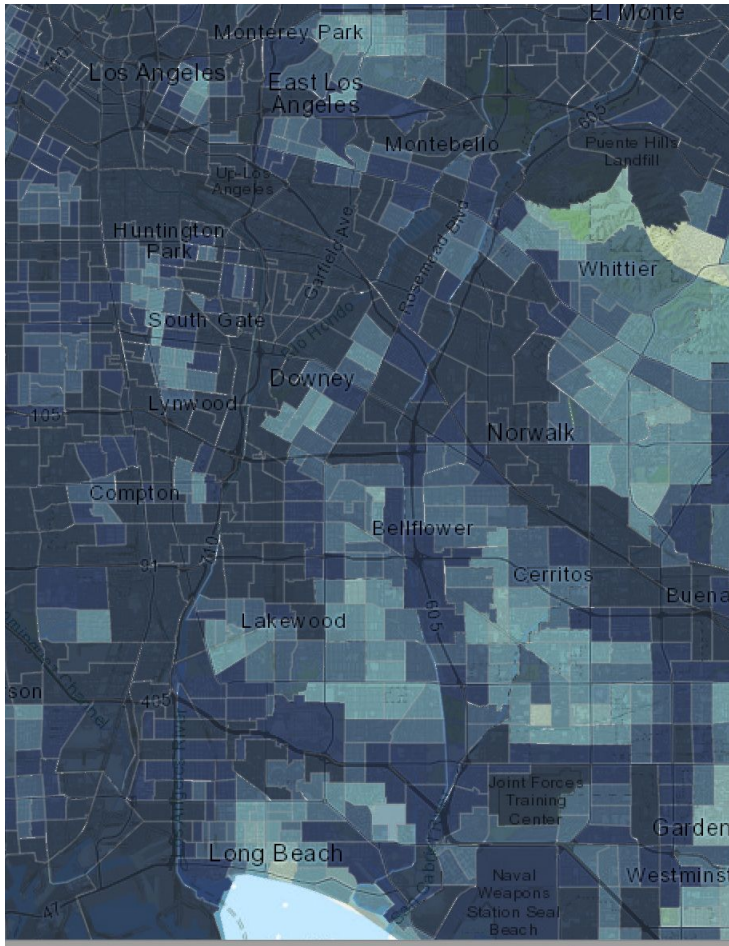
Source: USC NDSC



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Energy Resilience Action Plan Pilot



Pollution Burden

The Gateway Cities COG has a higher overall Pollution Burden Score – a measure of potential pollutant exposure and harmful environmental conditions – than the County average.

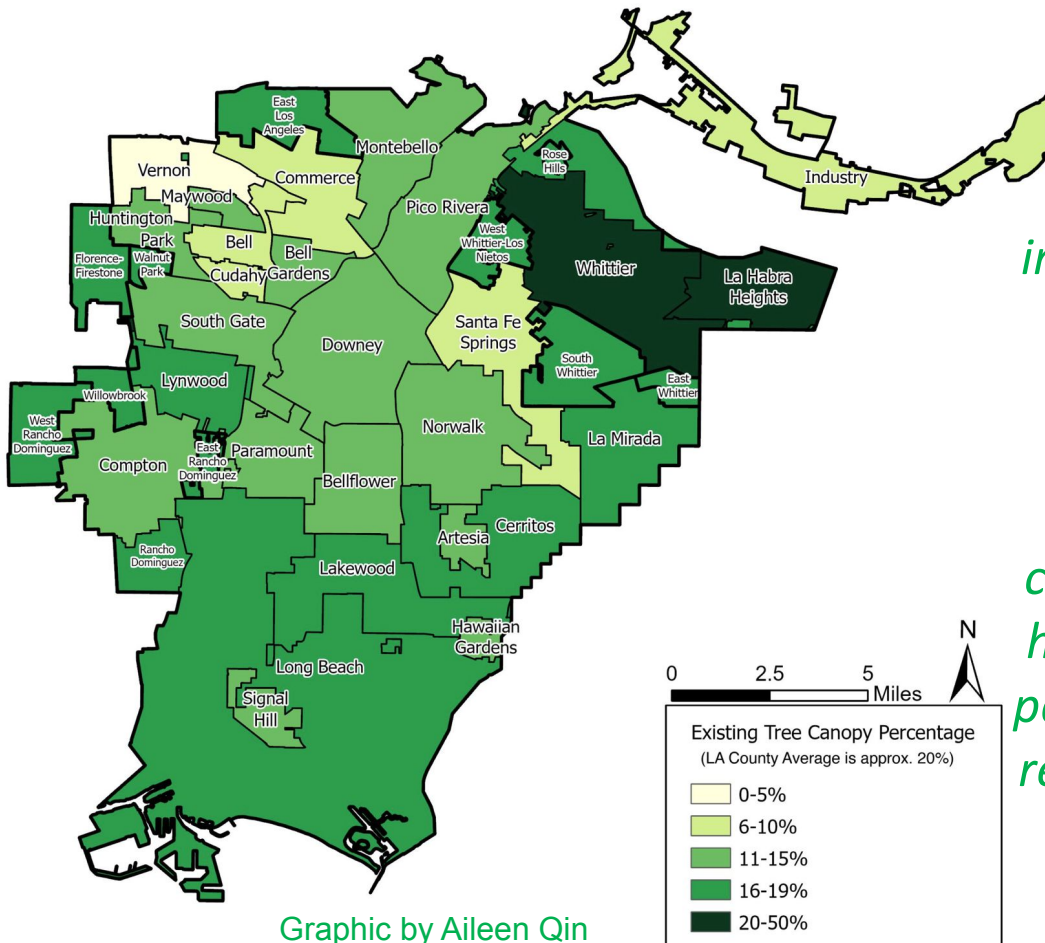
Residents in the Gateway Cities COG have a higher per capita number of asthma and cardiovascular-related ER visits than their counterparts in greater Los Angeles County while having lower health insurance rates.

Source: USC NDSC



Energy Resilience Action Plan Pilot

TREE CANOPY



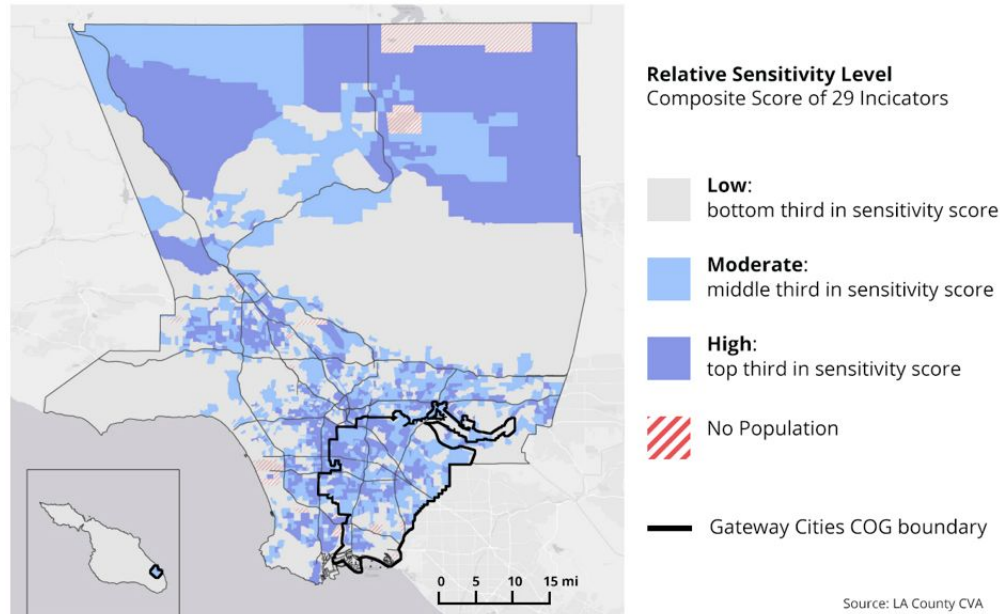
On top of having the ability to improve air quality by capturing particulate air pollution and carbon dioxide, through a process called evapotranspiration, tree canopies also reduce the urban heat island effect created when pavement and concrete trap and retain heat, especially in socially vulnerable communities.

Source: USC NDSC



Energy Resilience Action Plan Pilot

RELATIVE SENSITIVITY LEVEL



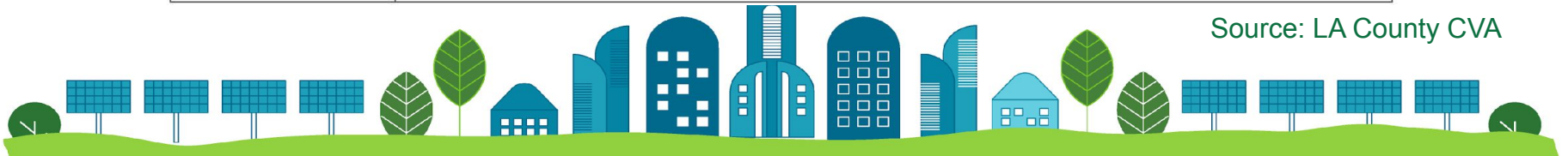


Energy Resilience Action Plan Pilot

SOCIAL SENSITIVITY INDICATORS

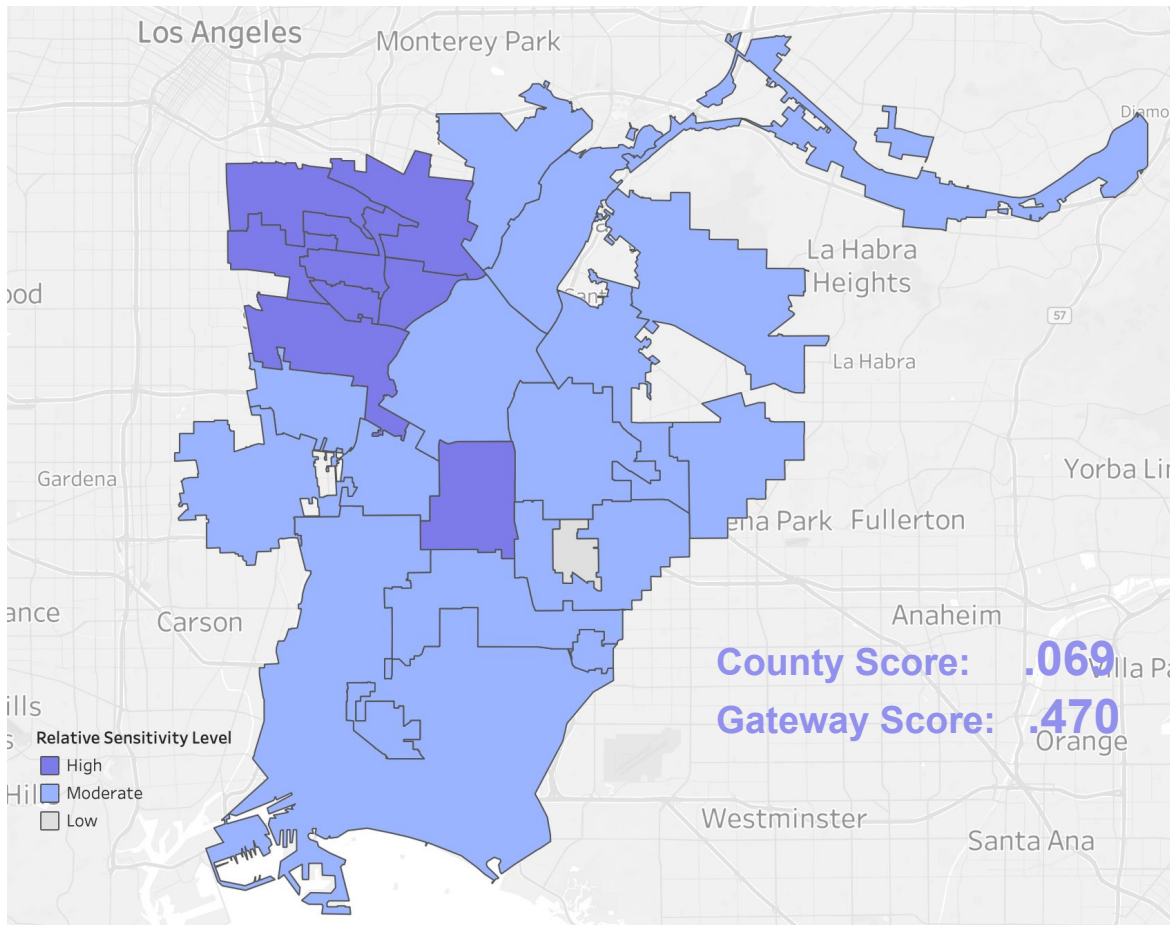
CATEGORY	SOCIAL SENSITIVITY INDICATORS
Age	children, older adults, older adults living alone
Community & language	foreign-born, female, female householder, library access, voter turnout rate, limited English Proficiency
Occupation	outdoor workers (including workers in agriculture, fishing, mining, extractive or construction occupations), unemployment
Education	no high school diploma
Health	disability, asthma, cardiovascular disease, no health insurance
Housing	living in group quarters, mobile homes, cost-burdened, renters
Income & Wealth	median income, poverty
Race / Ethnicity	black, Asian, Hispanic / Latinx, Indigenous
Access to Information	no internet subscription
Transportation	households without vehicle access, transit access

Source: LA County CVA





Energy Resilience Action Plan Pilot



SOCIAL SENSITIVITY

While the countywide Social Sensitivity score is .069, the Gateway Cities COG average is considerably higher at .47, (higher scores indicate areas with greater sensitivity). All but one of the Gateway cities has either moderate or high Social Sensitivity.

Source: USC NDSC



GATEWAY CITIES

COUNCIL OF GOVERNMENTS

Energy Resilience Action Plan Pilot

THREE MOST VULNERABLE GATEWAY CITIES*

Maywood



Bell



Bell Gardens



* Must be Enrolled
in SoCalREN





Energy Resilience Action Plan Pilot

NEXT STEPS

2022: Phase 1

- Presentation of initial findings - Q4
- Internal feedback from agency - Q4
- Resilience hub opportunity assessment - Q4

2023: Phase 2

- On-site audits at resilience hubs
- Greenhouse gas inventory development
- Review of Findings
- External feedback from community
- Energy Resilience Action Plans Delivered



GATEWAY CITIES
COUNCIL OF GOVERNMENTS

Energy Resilience Action Plan Pilot

THANK YOU

LINK TO USC DATA STORY

<https://la.myneighborhooddata.org/2022/08/climate-change-in-the-gateway-cities/>



Funding Opportunities: Inflation Reduction Act (IRA)

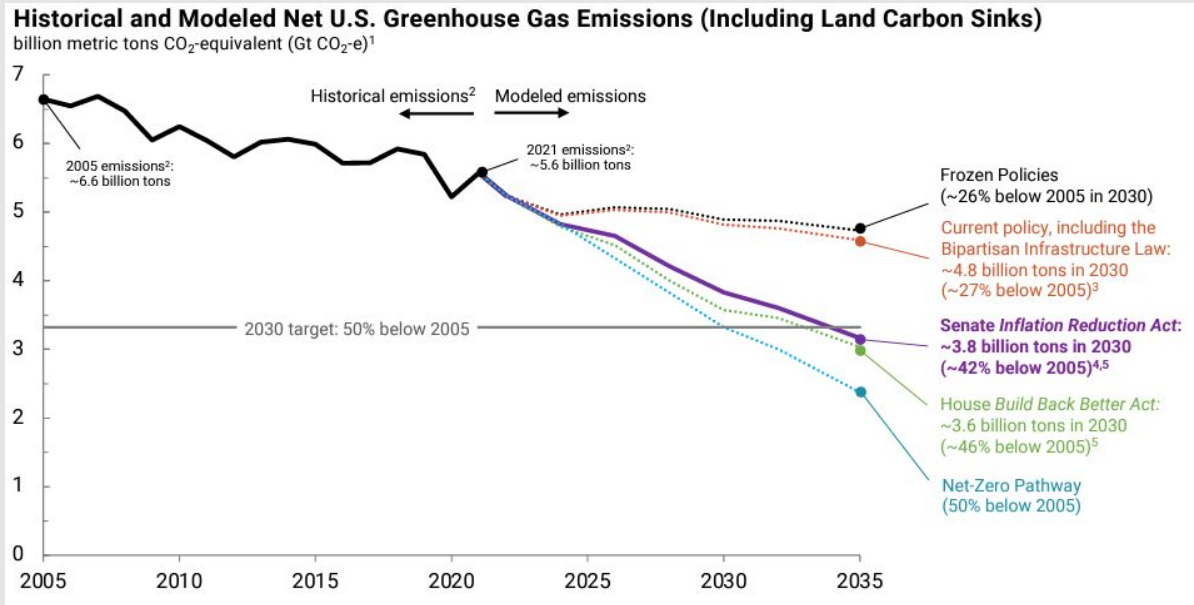
Erica Larson, ICF

→ Inflation Reduction Act

ICF's overview of the Inflation Reduction Act as it pertains specifically to tax credits, tax deductions, or funded programs for energy efficiency, building electrification, electric vehicles, and distributed energy resource measures and programs.



Impact of Inflation Reduction Act on Carbon Emissions



\$369B

Allocated toward clean energy and climate

40%

Reduction in carbon emissions by 2030

\$43B

Earmarked for funded federal grant, rebate, and loan programs available to EE, DER, or EV programs

Source: Rapid Energy Policy Evaluation & Analysis Toolkit. "Preliminary Report: The Climate and Energy Impacts of the Inflation Reduction Act of 2022. 08.04.2022. Page 6.

Mechanisms for Funding Clean Energy Investment

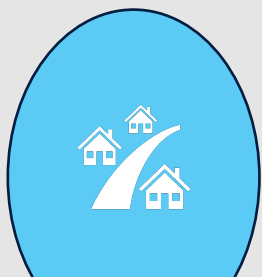
Tax Credits & Deductions

- + Specific to Inflation Reduction Act
- + Immediate and near-term impacts
- + New or increased credits and deductions are generally in effect beginning Jan. 1, 2023

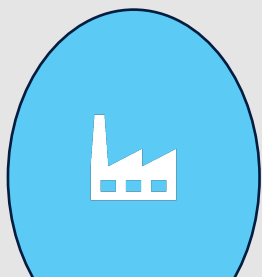
Funded Grant, Loan, and Rebate Programs

- + Medium- to long-term impacts
- + IRA-funded programs available in 2023, but do not expect rebates / dollars available to customers until Q4 2023 / 2024

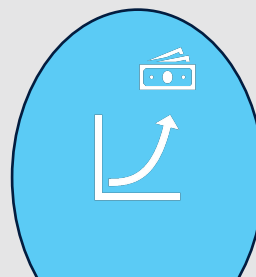
IRA Funding Requirements Have Common Themes



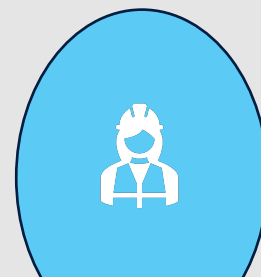
Community Impact



N.A. Manufacturing



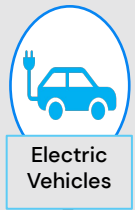
GHG Scaling



Labor Requirements

Tax Credits & Deductions

- + Overhauls new electric vehicle tax credit and eliminates large manufacturer phase out
- + Creates new tax credit for used passenger EVs
- + Creates new tax credit for commercial EVs
- + Increases maximum tax credit for EV charging infrastructure to \$100K and makes bi-directional infrastructure eligible; limits credit to low income and rural areas
- + Increases homeowner EE upgrade tax credit to \$1,200
- + Additional \$2,000 tax credit available for efficient heat pumps, HPWH
- + Increases maximum tax credit for new efficient homes to \$5,000
- + Increases commercial energy efficiency retrofit tax deduction from \$1.80/sq. ft. to \$5/sq. ft.
- + Extends tax credits for small-scale renewable generation (e.g., rooftop solar, fuel cells, geothermal heat pumps, small wind)
 - + Creates tax credits for battery storage
 - + Tax credit = 30% through 2032, 26% in 2033, and 22% in 2034



Funded Grant, Loan, and Rebate Programs

- + \$1B allocated to EPA to administer to states, local government, tribal government, and school transportation associations to replace heavy duty vehicles
- + \$4.3B allocated to DOE and state energy offices for whole home rebates
- + \$1B allocated to HUD for affordable housing clean energy/water projects
- + \$1B allocated to DOE and state/local governments for advanced building codes
- + \$1B to USDA for Rural Energy for America that provides grants and funding for energy efficiency and renewable energy improvements and audits
- + \$4.3B allocated to DOE to administer to state energy offices and tribal governments for residential electrification rebate programs
- + \$150M to Bureau of Indian Affairs to administer to tribal governments to electrify unelectrified homes and transition electrified homes to renewable energy systems

Other Grants/Loans that Could Support All of the Above

- + \$27B EPA administered to states, local governments, and nonprofits to support zero emissions projects
- + \$3.6B DOE administered loan guarantees for innovative GHG reduction projects
- + \$4.75B EPA administered grants to states, municipalities, and tribes for GHG planning and implementation grants



Get in touch with us:


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 twitter.com/icf

 <https://www.facebook.com/ThisIsICF/>

About ICF

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Closing Remarks

Laurel Rothschild, The Energy Coalition

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 twelfth episode of <i>ReEnergizing Communities</i> recently released featuring LAANE and RePower 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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New Marketing & Outreach Materials!



Southern California
REGIONAL ENERGY NETWORK
SoCalREN Public Agency Programs | socialren.org

ACT FAST!

SoCalREN is offering **BONUS** cash incentives for energy efficiency projects completed in 2022!

⚡



Complete an energy efficiency project this year to take advantage of SoCalREN's limited-time-only supercharged incentives and to get ahead of Title 24 changes. Contact your SoCalREN Project Manager TODAY to get the ball rolling on this limited-time offer!

Supercharged Incentives for 2022 Projects

⚡ 50% of eligible project costs covered by SoCalREN or ⚡ 150% of standard incentive rates

The type of rate received is dependent on the energy efficiency project installed. For example, HVAC, interior lighting, exterior lighting, retrocommissioning, heat pump water heaters, building envelope, pumping, and process optimization projects will all be eligible.

Get Ahead of Title 24 Changes


Starting January 1, 2023, Title 24 will require higher efficiency standards, meaning fewer savings are eligible for incentives. Some measures previously eligible for incentives will now be required by code.



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.

Interested? Talk with your SoCalREN Project Manager to get started saving costs on your energy efficiency project.

Visit socialren.org/about/blog to read more about our supercharged incentives and Title 24 changes.

socialren.org/k4kenroll

SoCalREN 

SoCalREN Kits for Kids Program

Providing Children and Their Families With Free Energy-Efficient Items and Education

The **SoCalREN Kits for Kids Program** introduces third- and fourth-grade students, from eligible schools, to energy efficiency. Students perform an interactive scavenger hunt and receive energy-efficient items at no cost, which can help their families save money and improve their comfort and safety at home. Participation includes each household installing the energy-efficient items from the kit in their home. Each enrolled classroom is eligible to receive a \$1,000 grant, if 65% of students install the energy-efficient items and provide proof of installation.

How It Works

- Schools and teachers receive information about Kits for Kids, and teachers enroll their classroom at socialren.org/k4kenroll.
- Students take home kits with energy-efficient items, installation instructions, and educational activities.
- Students complete at-home activities with their parent(s) or guardian(s).
- Families install the LEDs and other items in their homes, complete the installation verification card, and enjoy energy savings.
- Students return the installation verification cards to their teachers, who then complete an online form verifying installation for their classroom.
- Classrooms receive a \$1,000 grant after teachers report installation.

Eligibility

- Schools must be within SoCalREN territory.
- Students must be in third or fourth grade.
- Households where energy-efficient items are installed must be in SoCalREN's service area. See service areas at socialren.org/about.

What's in the Kits

- Two LED bulbs
- One efficient-flow showerhead*
- Two faucet aerators*
 - One 1.5 gallons-per-minute (GPM) kitchen faucet aerator
 - One 1.0 GPM bath faucet aerator


Benefits


- Students, teachers, and families learn about the importance of energy efficiency.
- Families receive energy-efficient items at no cost, plus enjoy long-term savings on their energy costs.
- Classrooms that meet participation goals, receive grant support.
- Residential communities reduce their contribution to climate change.

Learn More

South Bay Cities Council of Governments

P: (424) 271-4690
E: laurie@southbaycities.org





*Products may vary. If the participating school is located within an electric-only service territory, the kit will include a smart plug instead of the showerhead and faucet aerator measures. Limited supply per household and where applicable. Certain restrictions apply.

socialren.org/k4kenroll

Supercharged Incentives fact sheet

Kits for Kids fact sheet, customized for regional partners

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	October 13th	10:30 am - 12 pm
Q4	December 14th	10:30 am - 12 pm

Please take a minute to complete our [Q3 Meeting Survey!](#)