

LGSEC Virtual EECBG Workshop

Thursday, March 7 | 1:00-2:30 PM



LOCAL GOVERNMENT
SUSTAINABLE
ENERGY COALITION

lgsec.org

LGSEC Virtual EECBG Workshop

Purpose

This webinar will provide a chance for LGSEC members to share learnings and best practices regarding how local governments can use funds from the EECBG Program.

TODAY'S AGENDA

| | |
|--------------------|---------------------------|
| 1:00 - 1:05 | Welcome and Introductions |
| 1:05 - 1:45 | Speaker Presentations |
| 1:45 - 2:15 | Breakout Rooms |
| 2:15 - 2:30 | Group Discussion |
| 2:30 pm | Adjourn |

Make sure to send your questions via the Q&A box!





California Energy Commission

Energy Efficiency and Conservation Block Grant (EECBG)

Vanessa Durant, Decarbonization Incentives Specialist

March 7, 2024



Energy Efficiency and Conservation Block Grant (EECBG) Program

- **EECBG goals**
 - Reduce carbon emissions
 - Reduce energy use
 - Improve energy efficiency
 - Increase community investment
 - Increase workforce development
- **Justice40**
 - Minimum of 40% of the overall benefits will flow to disadvantaged communities



Energy Efficiency and Conservation Block Grant (EECBG) Program

- IIJA (Infrastructure Investment and Jobs Act, 2021)
 - \$550 million to EECBG
- Administered by U.S. Department of Energy (DOE)
- **California formula allocation:** \$4.5 million
 - DOE used state & local feedback and previous formulas to allocate funds
- **Federal requirement:** Minimum of 60% of CA allocation must go to local governments that were not eligible to receive a formula grant



Local Government Building Decarbonization Challenge

- **Local Government Building Decarbonization Challenge (LGBDC)**
- Local governments – individual or group of jurisdictions
- Planning projects only
 - No construction projects to avoid CEQA & NEPA
 - Building decarbonization measures
- Statewide goal: decarbonization by 2045



Local Government Building Decarbonization Challenge

- 60% of funds to local governments not eligible to receive EECBG allocations
 - Remaining funds will be available to all jurisdictions to apply
- **Federal requirement:** Grant agreements must be signed within 180-days of award
 - CEC solicitation process usually takes 9-12 months
- Release date: Spring 2024



Thank you

Questions?



SUSTAINABILITY & RESILIENCE DEPARTMENT

ENERGY & CLIMATE DIVISION

EECBG PROGRAMMING

MARCH 7, 2024

EECBG Funds Programming

City of Santa Barbara

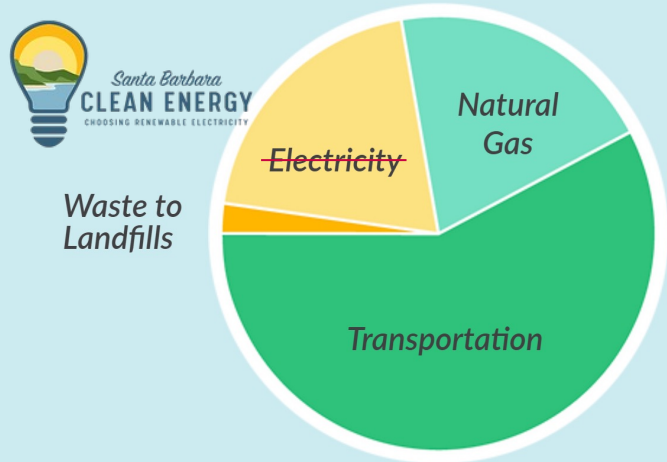
- ≈ 90,000 population
- \$146,330 EECBG allocation



City of Santa Barbara
**SUSTAINABILITY
& RESILIENCE**

Climate Goals

Santa Barbara's Current Carbon Emissions



City Climate Goals:

- Carbon neutrality by 2035
- SBCE virtually eliminated emissions from electricity sector starting in 2022
- Transportation & Building NG usage are largest potential to decarbonize (>90%)

California:

- Carbon neutrality by 2045

EECBG Programming Options: Climate Action Plan



Transportation Decarb Efforts

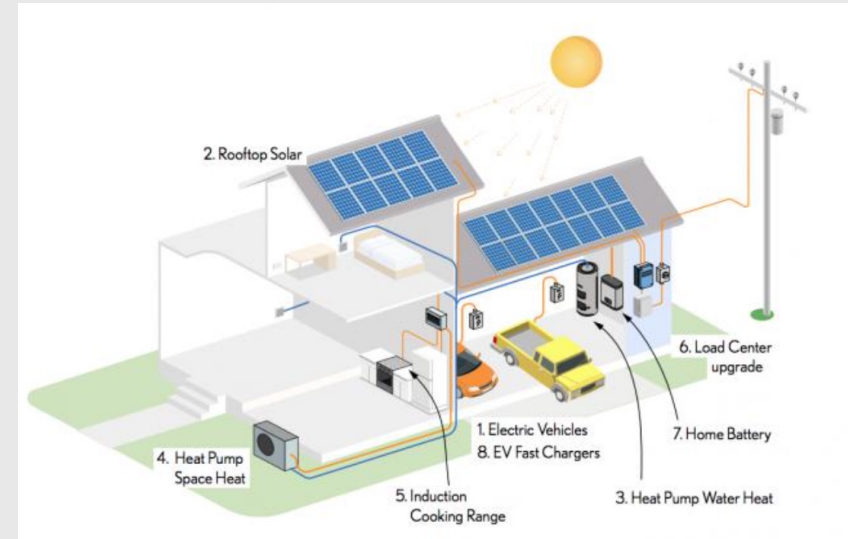
- Actively expanding EV charging access (7-fold increase in next 2 yrs.)
- EV incentives in place
- Supporting regional EV education & awareness efforts

Building Stock Decarb Efforts

- Decarbonized Electricity (CCA)
- Municipal EE measures
- 2021 New Construction NG ban
- Installed Renewable Energy
 - Cogen
 - Hydro
 - Solar PV

Existing Building Electrification

- Hardest Sector to address
- Lead by Example First
- Decarbonize Municipal Buildings
- What are our biggest emitting buildings?



Municipal Building Make-Ready Electrification Infrastructure planning

| Facility name | Average Annual Natural Gas Usage (Therms) |
|----------------------------|---|
| City Hall | 930 |
| Central Library | 2236 |
| 630 Garden St. | 2788 |
| West Side Community Center | 2730 |
| Fire Station #1 | 4404 |



Municipal Building Electrification Make-Ready Infrastructure Planning

Blueprint #2A: Energy Efficiency - Energy Audits and Building Upgrades.

**Phase-1: Electrification Assessments
(Technical Assistance Voucher)**

**Phase-2: Make-Ready infrastructure
Design & Permitting**

**Phase-3: Electrification Make-Ready
Infrastructure Installation
(Equipment voucher)**



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Income-Verified E-bike Voucher Program

City of Santa Monica
Office of Sustainability & the Environment

EECBG Program Idea

What opportunity do we have to reduce energy use, to reduce fossil fuel emissions, and to improve energy efficiency?

E-bikes expand access to sustainable mobility, encourage safer streets, and reduce fossil fuel emissions by replacing car trips.

City of Santa Monica Priority Areas

Climate Action & Adaptation Plan

- Reduce emissions by 80% from 1990 levels by 2030
- Convert 50% of local trips to foot, bike, scooter or skateboard

City of Santa Monica 2022 Greenhouse Gas Inventory

- Transportation contributes 68.5% of emissions

Electrify Santa Monica Rebate Program

- Very few low-income rebate applications, zero rebate applications from residents living in our “disadvantaged-communities”

E-bike Voucher Program Details

Level of Subsidy:

- Up to \$2,000 per voucher to cover cost of e-bike and eligible accessories (helmet, lights, lock, etc.)
- *Staff is considering allowing voucher to cover standard, non-electric commuter bicycles. Maximum voucher amount TBD.*

Income Qualification Thresholds:

- Previous enrollment in one or more low-income assistance programs (e.g. CARE, FERA, SNAP, Free/Reduced Lunch Program, Housing Vouchers) OR meets HUD definition of low-income at 80% Area Median Income

Number of Vouchers Offered:

- Approximately 90 vouchers, and possibly more if recipients utilize less than the full voucher amount. Vouchers are awarded through series of lotteries.

Voucher vs. Rebate

Our e-bike voucher is a direct payment from the City of Santa Monica to a participating, local bike vendor.

Benefits of a Voucher:

- Removes the upfront cost hurdle for low-income residents
- Directly supports local business and residents
- Innovative program
 - Lays administrative framework for future voucher/direct payment programs

Tentative Implementation Timeline

Fall 2023

Submit Grant application

Fellow Application Submitted

Bike Vendor Selection

May 2024

First Bike Lottery

July 2024

Third Bike Lottery

June 2024

Second Bike Voucher Lottery

April 2024

Fellow onboarded
Outreach Campaign Application Opens!

Fall 2024

Analysis and Reporting on Pilot; seeking additional funding

March 2024

Grant funds awarded!



Community Energy Fellow

Community Energy Fellow program pairs Host cities with Fellows to support their EECBG work.

Additional team member for a 12–18-month term to implement your program.

Host city application deadline was March 5th.
Fellow applications are due March 31st.

Shout-out to Alyssa!

Questions?



County of Los Angeles - EECBG Initiatives

Presentation to LGSEC Members

March 7, 2024

County Of LA - 2024 EECBG Funded Initiatives

- The DOE EECBG Program is designed to assist states, local governments, and Tribes in implementing strategies to reduce energy usage, reduce fossil fuel emissions, and improve energy efficiency.
- The County of Los Angeles was awarded a formula grant for \$1.3 million.
- The County's award will be utilized to implement the following:
 - Improve energy efficiency and deploy decarbonization measures within existing buildings;
 - Optimize County buildings HVAC systems;
 - Support disadvantage communities through energy resiliency action plans to strengthen the resilience of critical community infrastructure across public agencies.



County Facility DER/Decarbonization Project

EECBG Funding leveraged to DER and decarbonization deployment in LG facilities.

Willowbrook Senior Center



The project consists of lighting retrofit/replacement, replacement of three (3) roof-top package units, and heat pump water heater.

Willowbrook Senior Center



Second part of the project consists of installation of roof-top and carport solar including replacement of the existing roofing.



HVAC Optimization

EECBG Funding leveraged to support energy use optimization in existing buildings

Building Management Systems for County Building HVAC systems

- The objective of these HVAC optimization projects is to improve the energy efficiency of the building's HVAC system while also ensuring optimal indoor air quality and comfort for occupants.

| | |
|------------------------------------|--|
| Departments to be supported | Libraries, Courts |
| Upgrades | <ul style="list-style-type: none">• Update and install new controls for improved• Establish new programming of operations• remote access• Install VFDs• Install new sensors• Install economizer dampers |

HVAC Optimization Impact and Benefits

- Improved control of temperature settings
- Improved front end supervisory controls and graphics
- Increased energy efficiency through improved control of the buildings heating, cooling and lighting systems
- Electrical grid resiliency through implementation of demand response strategies.
- Improved buildings operational, control lighting and temperature settings



Energy Resilience Action Plan (ERAP) Initiative



EECBG Funding leveraged to support SoCalREN Programing

Energy Resiliency Action Plan Program



Overview: The ERAP program will support the development of EE and DER deployment roadmaps to strengthen the resilience of critical community infrastructure across public agencies served by SoCalREN. It will support agencies with regional planning and prioritization of energy resiliency project implementation.

Background: In 2022, through residual Obama Administration ARRA DOE funding LA County launched the ERAP initiative. LA County funding supplemented SoCalREN's resources to enable EE and non EE scope in 2022 to support this initiative.

Market Barriers Addressed:

- Public agencies lack the resources and expertise to create implementation-ready plans to support their communities during state of emergency situations.
- ERAP removes the burden for participating agencies of creating their own tools and plans.

● Interventions:

- Integrate energy implementation strategies into resiliency action planning to help public agencies increase community resilience.
- Provide a regional mapping tool that prioritize projects based on economic feasibility, climate-related threats, and socioeconomic factors.

Scope of DER Focused Activities

- **Conduct DER audits** at participating agencies' facilities to identify “shovel ready” opportunities for:
 - PV
 - Battery Storage
 - EV Charging Infrastructure
- **Develop agency adopted ERAP reports** which contain “shovel-ready” DER projects, grid outage data, EV fleet analysis, etc.
- **Deliver Resilience Hub Opportunity Analysis (RHOA) reports** to identify energy resilience opportunities across an agency's facility portfolio. Key elements include:
 - SCE grid outage data at facility
 - Facility PV and battery storage analysis



ERAP Report Components



DER Components

Environmental & Socio
Economic Indicators

Climate Threats & Relation
to Resilience

Stakeholder Feedback &
Priorities

Energy Usage Profile

Electric Grid Outage Data



GHG Inventory &
Reduction Potential



Facility 1 
EE + DER Project
Recommendations

Facility 2 
EE + DER Project
Recommendations

Facility 3 
EE + DER Project
Recommendations

Facility 4 
EE + DER Project
Recommendations

How to Guide: Funding
& Financing Resources

Grant Application
Coaching

ERAP's Direct Benefits and Impact

- Through this funding the County aims to support over 24 local governments and develop at least 2 DER project scopes per agency
- Agencies will receive toolkits and coaching that will allow them the opportunity to implement projects as well as receive stakeholder buy in.
 - Public agencies currently lack a tool to assist with community-scale energy resilience planning. To overcome this, the program will provide an interactive regional mapping tool to participating agencies to assist with project prioritization based on economic feasibility, climate-related threats, and socioeconomic factors. This map feature will revolutionize how agencies approach regional resilience planning by eliminating silos where current planning might only occur at a single facility or agency level.
- The ERAPs program will strive to integrate cost-effective energy implementation strategies into resiliency action planning to help public agencies take meaningful energy actions and improve community resilience.
- The ERAP program helps ensure that scarce staff and financial resources are used effectively by using data to understand which opportunities are best to pursue and what regional efficiencies can be leveraged to achieve strategic local and regional energy goals.



Questions?

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Breakout Rooms

Choose from one of the three breakout room options:

- *EVs*
- *Buildings & Electrification*
- *Other*

Use the [JamBoard](#) to share your ideas!

Group Discussion

*Send your questions
in the Q&A box!*

THANK YOU!



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