

Local Energy Resources Network



Meeting 11
September 13, 2022

*Let's LERN Together – Featuring a
Conversation with Michael Forrester,
Acting Principal Deputy Director for
the DOE's Office of State and
Community Energy Programs*



Welcome!

Purpose

Interactive 1-hour meetings designed to be a regular space where local governments - and those who work with them - can help each other learn about (and possibly inform) available opportunities to advance their energy and climate goals.

TODAY'S AGENDA

- Opportunity Roundtable
- Featured Discussion with Michael Forrester, DOE
- BPC Workshop: **Thoughts & Input on EECBG**



Opportunity Roundtable

Opportunities for...

1

Funding

- SGC: [Regional Climate Collaborative](#) (10/7/22)
 - PG&E: [Community Microgrid Enablement Program \(CMEP\)](#) (12/31/22)
 - CEC: [CalAPP](#) (5/1/23)
- COMING:
- DOE: [Building Codes Implementation for Efficiency and Resilience](#) (end of 2022), EECBG (Fall 2022), LGEP, Energy Futures Grant, Energy Storage Demo Pilot
 - CEC: [State Energy Program \(TBD\)](#)
 - SGC: [Affordable Housing Sustainable Communities \(AHSC\)](#) (NOFA 1/2023)

2

Other Assistance

- Register for the [CCEC Forum](#) (9/21-22)!
- The Climate Center: [Workshop on Energy Resilience Planning for Your Community](#) (9/21)
- RMI/Emerald Cities Collaborative: [Equitable Home Electrification Toolkit](#)

3

Input

- SGC: [AHSC Guidelines Public Comment](#) (Oct 2022)
- CEC: Integrated Energy Policy Report (next steps TBD)
- DOE: EECBG (today informally led by CCEC)
- CARB: [Proposed Changes for the Final 2022 Scoping Plan](#)
- SGC: [Community Resilience Centers](#) (public comment 9/2022)

On the horizon...

Federal

- [Infrastructure Law \(2021\)](#)
 - [Guidebook](#)
 - [Program Spreadsheet](#)
- [Biden FY 2022-2023 Budget](#)
- **NEW:** [Inflation Reduction Act](#)

State

- [CA State FY Budget 2022-23](#)
- **NEW:** [SB 852 \(Dodd\)](#)
- [OPR Climate Adaptation and Resilience Planning Grant](#) (\$25M)
- [CPUC Microgrid Incentive Program](#) (\$200M)



Opportunity Spotlight

California Strategic Growth Council Affordable Housing and Community Development + Other Updates

The Affordable Housing and Sustainable Communities Program (AHSC) builds healthier communities and protects the environment by increasing the supply of affordable places to live near jobs, stores, transit, and other daily needs.

AHSC provides funding for affordable housing developments (new construction or renovation) and transportation infrastructure.

Look for guidelines for comment in Sept or October! NOFA in January!

Sign up for [updates](#) TODAY

A screenshot of a web form titled 'Strategic Growth Council Updates'. At the top is the California Strategic Growth Council logo, which consists of a stylized map of California made of blue and orange squares. Below the logo, the title 'Strategic Growth Council Updates' is centered. A line of text says 'Sign up to receive all the latest news on our programs, as well as information about workshops, webinars, conferences, new resources and more!'. The form contains several input fields: 'Email Address', 'First Name', 'Last Name', 'Phone Number', 'Job Title', and 'Company'. Each field is preceded by an asterisk (*). At the bottom, there is a section titled 'Email Lists' with four checkboxes: 'Strategic Growth Council Newsletter', 'Updates: Affordable Housing and Sustainable Communities', 'Updates: Climate Change Research Program', and 'Initiative: Health in All Policies'.



Featured Guest



**Acting Principal Director for the Office of
State and Community Energy Programs,
U.S. Department of Energy**

Michael Forrester

State and Community Energy Programs

Improving Access to Efficiency and Clean Energy for States, Communities, and Tribes



**DOE presenting to the California Climate and Energy Collaborative
September 13, 2022**

Biden-Harris Administration Priorities

- The Administration knows there is **no greater challenge** facing our nation and our planet than climate change.
- We can turn the threat of climate change into an **opportunity** to:
 - Revitalize the U.S. energy and manufacturing sectors.
 - Create millions of high-quality, good paying jobs throughout the country.
 - Address historic environmental injustices and inequities.
- DOE is working to advance these goals and help the U.S. build a **100% clean energy economy** and reach **net-zero emissions** no later than 2050.



SCEP Mission and Priorities

The Office of State and Community Energy Programs (SCEP) was established in January 2022 and is responsible for managing a portfolio of nearly \$6 billion in funding from the Bipartisan Infrastructure Law and annual appropriations. Through the disbursement of formula grants, DOE will extend the core capabilities of state energy offices and expand the weatherization provider network to assist low-income families with home energy retrofits. Competitive awards and technical assistance will further the innovation by states and local governments seeking to implement high-impact and self-sustaining clean energy projects.

SCEP Program Priorities



Deploy clean
energy
technologies



Catalyze local
economic
development



Create jobs



Avoid pollution
through place-based
strategies



Reduce
energy costs

Energy Efficiency and Conservation Block Grant (EECBG) Program



EECBG Program Purpose & Eligible Entities

\$550 Million: Sec. 40552 of the Infrastructure Investment and Jobs Act (IIJA) for EECBG Program

- EECBG established under section 542(a) of the Energy Independence and Security Act (EISA) of 2007, which outlines who is eligible for funding and how funds can be used

Program Purpose: support eligible entities in

- Reducing fossil fuel emissions in a manner that is environmentally sustainable and maximizes benefits to communities
- Reducing their total energy use
- Improving energy efficiency in the transportation, building, and other relevant sectors

Local Governments

Alternative 1

- Cities with populations of at least 35,000 or in the top 10 highest populated cities in the state
- Counties with populations of at least 200,000 or in the top 10 highest populated counties in the state

Alternative 2

- Cities with populations of at least 50,000 or counties with populations at least 200,000

States & Territories

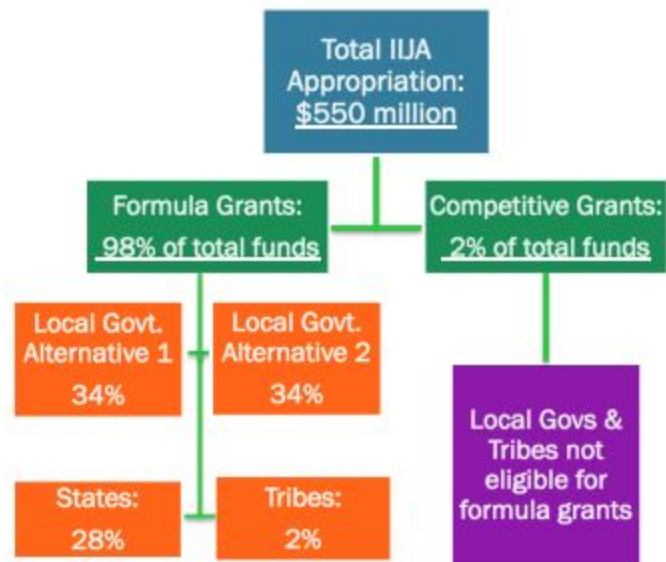
- States, the District of Columbia, the Commonwealth of Puerto Rico, and any other territory or possession of the U.S.

Tribes

- Indian Tribes, per section 4 of the Indian Self-Determination and Education Assistance Act

EECBG Program Distribution and Eligible Uses of Funds

Distribution of Funding to Eligible Entities*



*Distribution does not reflect DOE technical assistance allocations to be determined before distributing remaining funds to eligible entities.

Eligible Uses of Funds

1. Strategy Development
2. Technical Consultant Services
3. Building Energy Audits
4. Financial Incentive Programs
5. Energy Efficiency Retrofits
6. Energy Efficiency and Conservation Programs for Buildings and Facilities
7. Development and Implementation of Transportation Programs
8. Building Codes and Inspections
9. Energy Distribution Technologies for Energy Efficiency
10. Material Conservation Programs
11. Reduction and Capture of Methane and Greenhouse Gases
12. Traffic Signals and Street Lighting
13. Renewable Energy Technologies on Government Buildings
14. **Programs for Financing, Purchasing, and Installing Energy Efficiency, Renewable Energy, and Zero-Emission Transportation (and associated infrastructure) Measures**
15. Any Other Appropriate Activity

← New activity added by IJA

EECBG Recovery Act Take-aways & 2015 National Evaluation*

- Grantees: provided funding to 2,300 grantees
- Investment: represented the largest nationwide direct investment in energy efficiency and renewable energy technologies at the community level in U.S. history
- Cost Savings: \$5.2 billion in total lifetime cost savings
- Social Cost Savings: \$1.8 billion in social costs avoided due to program-induced reductions in carbon emissions
- Energy Savings: 409 MMBtu in lifetime energy savings
- Job Creation: 62,900 direct, indirect, or induced jobs created or retained, which is equal to about one job per \$36,000 in EECBG dollars invested
- Avoided Carbon Emissions: 25.7 million metric tons of carbon equivalent avoided due to energy savings and renewable generation
- Cost Effectiveness: \$1.76 in bill savings received by program participants over the lifetime of the measures installed for every EECBG dollar spent

*The EECBG National Evaluation is an independent third-party, peer-reviewed evaluation of the principal outcomes achieved by the Recovery Act EECBG program in terms of (1) energy and cost savings, (2) gross carbon emissions reduction, and (3) direct and indirect job creation. The evaluation examines outcomes achieved during the 2009 through 2015 program years for a subset of recipients implementing broad program types that, in combination, represented approximately 80% of EECBG program funding.

Stay Connected with EECBG

- **Watch for EECBG Program updates, coming later in 2022:**

<https://www.energy.gov/eere/wipo/energy-efficiency-and-conservation-block-grant-program-bipartisan-infrastructure-law-2021>

- Allocation formulas published in the Federal Register in June 2022
 - **Notice of Availability:** <https://www.federalregister.gov/d/2022-13859>
- Information on program design and implementation
- Allocation amounts for eligible entities
- Funding opportunity announcement for formula awards
- Competitive program information

- **Find IIJA Program Updates:**

<https://www.energy.gov/bil/bipartisan-infrastructure-law-homepage>

- **Contact the EECBG Team or DOE's Regional Specialists:**

- eecbg@hq.doe.gov
- DL-RegionalSpecialists@hq.doe.gov



Local Government Energy Program (LGEP)



Local Government Energy Program

Established in FY22, a permanent program for local governments and Tribal Nations to support transformative clean energy programs that create good paying jobs

	FY 2022 Congressional Appropriation	FY 2023 Request
Local Government Program	\$10 million "Local Government Clean Energy Workforce Program"	\$25 million "Community Programs"

"The Committee supports the Local Government Clean Energy Workforce Program (changed to Local Government Energy Program) to provide competitive awards, on-site capacity, peer exchanges, and technical assistance to support the development and deployment of transformative clean energy programs that create good paying jobs working with qualifying local governments and Tribal Nations, with a focus on energy communities and disadvantaged or small-to-medium jurisdictions.

The Department is encouraged to consider projects that implement best practices to advance energy efficiency adoption, building and vehicle electrification, grid modernization, distributed electricity generation, and workforce development at the local level. These activities shall include work with and support for organizations that convene and support municipal governments."¹

To receive program updates, subscribe to the *State and Local Spotlight* newsletter:
www.energy.gov/eere/slsc/listings/state-and-local-spotlight-newsletters

¹ 117th Congress. [Senate Report Number 117-36](#). "Energy and Water Development Appropriations Bill, 2022." August 4, 2021. p. 90. Note that the program name was changed to "Local Government Energy Program" in the FY 23 budget.

U.S. DEPARTMENT OF
ENERGY

Office of
ENERGY EFFICIENCY &
RENEWABLE ENERGY

Energy Future Grants



Energy Future Grants

- A new FY22 initiative to support state-, local-, and Tribal-level planning initiatives designed to meet community energy needs

Program Name	FY22 Funding Amount (enacted)	FY 2023 Request	Description & Target Audience
Energy Future Grants	\$20 million	\$105 million	Provides competitive financial and technical assistance to support state-, local-, and tribal-level approaches to meeting energy needs at the local level including energy system planning and analysis and conducting stakeholder engagement.

Sources:

- DOE FY22: 117th Congress. [Senate Report Number 117-36](#). "Energy and Water Development Appropriations Bill, 2022.
- DOE FY23 budget request: <https://www.energy.gov/sites/default/files/2022-04/doe-fy2023-budget-volume-3-scep.pdf>

Tools and Resources to Support Local Governments



Current Public Sector Initiatives



Sustainable Wastewater Infrastructure of the Future (SWIFt) Initiative

Goal: a voluntary partnership with a goal to engage 300 water resource recovery facilities (WRRFs) that will work with DOE to achieve 5% **short-term** and 25% **long-term** facility-wide energy savings and implement one next-generation technology (e.g., renewable energy or resource recovery).

Progress: as of August 2022, 111 signatory partners that represent 256 wastewater facilities across 40 states. These facilities serve over 25 million people (8% of nation's population) and treat over 4 billion gallons of wastewater daily.

Results: the SWIFt Toolkit helped more than 70 SWIFt Phase 1 (2016-2019) partner facilities cumulatively achieve almost 7% (131 million kWh) in energy savings and put plans in place for 30% **long-term** energy savings.



Sustainable Corrections Infrastructure Partnership (SCIP) Accelerator

Goal: a voluntary partnership with public departments of corrections working with DOE over three years to achieve **portfolio-wide energy savings of 20%** and create replicable solutions to catalyze energy resilience.

Progress: as of July 2022, 17 partners (16 states and one county) that represent almost 30% of state correctional facilities.

Current Public Sector Initiatives Cont.



Better Buildings Challenge (BBC)

WIP's 75+ state, local government, and K-12 school district partners have committed to an energy savings goal of 20% across their portfolio within 10 years



DOLLARS SAVED
\$1.3 BILLION



ENERGY SAVED
133 TRILLION BTUS



WATER SAVED
2.4 BILLION GALLONS



GOAL ACHIEVERS
25 PUBLIC-SECTOR PARTNERS

Cumulative public-sector partner achievement since 2011

Better Climate Challenge (BCC)

- Launched by DOE in February of 2022 as a new engagement pathway for Better Buildings
- **Goal:** Through the BCC, organizations can partner with DOE to **reduce portfolio wide GHG emissions by at least 50% within 10 years**. DOE will provide technical assistance and opportunities to learn and share actionable best practices for carbon reduction
- **Progress:** As of August 2022, BCC has 21 public-sector partners (one state, 17 local government, and three K-12 school district partners)

Spotlight on Popular Tools and Resources

State and Local Planning for Energy (SLOPE) Platform

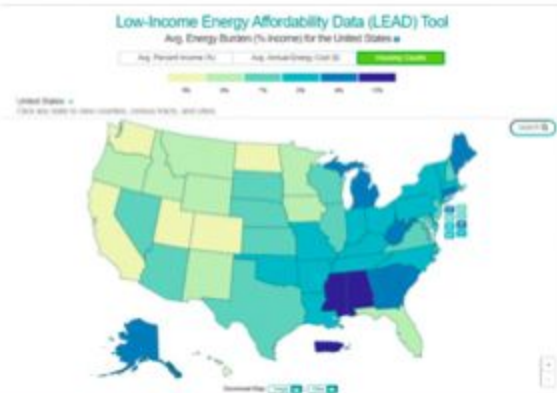
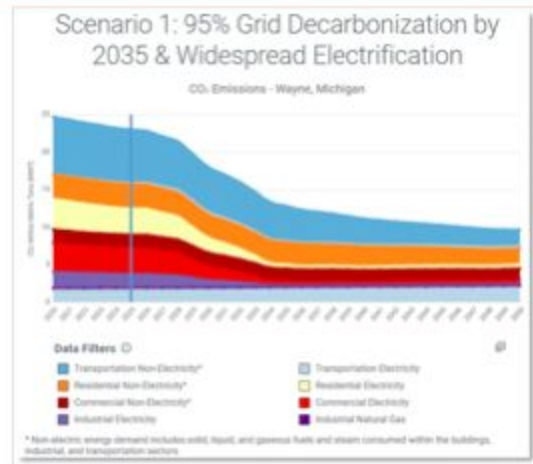
The State and Local Planning for Energy (SLOPE) Platform is a free, easy-to-use online platform to support data-driven state and local energy and decarbonization planning. Platform features include:

- **Scenario Planner:** A ground-breaking planning tool that visualizes scenarios for future energy consumption, CO₂ emissions, and system costs of a selected county or state.
- **Data Viewer:** new energy and environmental justice data layers (e.g., energy burden) and energy efficiency savings potential.

Low-Income Energy Affordability Data (LEAD) Tool

A web-based interactive tool that enables stakeholders to visualize energy burden and housing characteristics across the U.S.

- Provides customizable data, maps, and charts available at the national, state, city, and census tract level for all 50 states plus Puerto Rico and Washington, D.C.



Stay Connected to the State and Local Solution Center

Outreach

State and Local Spotlight

Monthly newsletter with more than 33,000 subscribers

State and Local Solution Center

More than 400 tools, resources, and best practices

State and Local Inbox

We are committed to a three-business-day-or-less response time for all state, local government, and K-12 school district inquiries

Better Buildings Webinars

Webinars reviewing the most pressing topics for energy professionals to save resources

Subscribe:

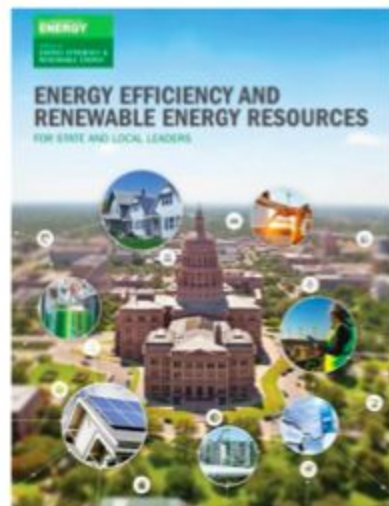
<http://energy.gov/eere/slsc>

Contact Us:

stateandlocal@ee.doe.gov

Download our Resource Guide:

<https://energy.gov/sites/default/files/2022-05/wip-state-local-resource-guide-2022.pdf>



BPC Workshop

Topic: Thoughts & Input on EECBG

Join us on Jamboard
bit.ly/LERN11-Input-EECBG

Add questions or requests to the chat, raise your hand, or email ahacker@civicwell.org

- Technical assistance needed to support local clean energy and climate goals
- Barriers and challenges to applying for and managing federal grants
- Strategies for increasing local capacity
- Ideas for model projects and programs to support local clean energy deployment
- Priority technology/equipment to support local clean energy projects

Local Energy Resources Network



What's Next?

- Next meeting **October 11, 2022**
- **We want to hear from you!** Please take a few minutes to complete this [feedback survey](#) for LERN to inform our future planning efforts!
www.surveymonkey.com/r/W2RYY7S
- Share [invitation](#) with others



CCEC Serves Local Needs



wEEkly Update



CURRENTS Quarterly



Webinars



Annual Forum



Active Funding Opportunities



Funding Program Database



Technical Assistance



Technical Assistance Directory



Local Government Roundtables



Best Practice Database



Interviews and Case Studies