Better Buildings, Better Plants SUMMIT

Learn more: betterbuildingsolutioncenter.energy.gov/summit
Public Sector Meetup

Wednesday, May 18, 2022
Agenda

1. Introduction
2. Better Buildings Challenge Savings & Goal Achiever Recognition
3. Bipartisan Infrastructure Law Programs
4. Tools & Resources
5. Q&A
Adam Guzzo
Program Manager
Energy Efficiency and Conservation Block Grant Program
U.S. Department of Energy
Better Information

Making Energy Efficient Investments Easier
• Better Buildings Solution Center
• Financing Navigator 2.0
• Home Energy Score
• Improved Data and Consistency Access
• Tools to Assess the Efficiency of Buildings/Homes
• Tools for Energy Management

Market Leadership

Developing Innovative, Replicable Solutions with Market Leaders
• Better Buildings Challenge
• Better Climate Challenge
• Better Buildings, Better Plants
• Better Buildings Alliance
• Better Buildings Accelerators
• Better Buildings Residential Network
• Strategic Energy Management

Innovation and Emerging Technologies

New technologies and new ideas are key to building a stronger economy
• Better Buildings Technology Campaigns
• High-Impact Technology Field Validators
• Better Buildings Technology Research Teams

Workforce Development

Expanding the Workforce
• Better Buildings Workforce Accelerator
• Industrial Energy Management Workforce
• Workforce Guidelines
Since 2011, 75+ public sector partners representing 215 million sq. ft. have saved:

- **DOLLARS SAVED**: $1.3 Billion Dollars
- **ENERGY SAVED**: $133 Trillion BTUs
- **WATER SAVED**: 3.3 Billion Gallons
- **GOAL ACHIEVERS**: 25 Public Sector Partners
Through the Better Climate Challenge (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.

To date, BBC has 20 public sector partners (two K-12, one state, 17 local partners).
Funding Program Highlights: Expanding Access to Energy Efficiency and Clean Energy

<table>
<thead>
<tr>
<th>PROGRAM NAME (DOE)</th>
<th>FUNDING AMOUNT</th>
<th>NEXT MILESTONES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Efficiency and Conservation Block Grant Program (EECBG)</td>
<td>$550 million</td>
<td>• First funding opportunity expected to release in Fall 2022</td>
</tr>
<tr>
<td>State Energy Program (SEP)</td>
<td>$500 million</td>
<td>• First round of funds expected to release in 2nd quarter 2022</td>
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<tr>
<td>Energy Efficiency Revolving Loan Fund (RLF) Capitalization Grant Program</td>
<td>$250 million</td>
<td>• Program guidance expected to release in Fall 2022.</td>
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Visit DOE’s Bipartisan Infrastructure Law Homepage to Learn More
https://www.energy.gov/bil/bipartisan-infrastructure-law-homepage
Energy Efficiency and Conservation Block Grant Program
EECBG Purpose & Eligible Entities

$550 million: Sec. 40552 of the Bipartisan Infrastructure Law (BIL) for the EECBG Program
- EECBG was 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

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 appropriate 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 Distribution and Eligible Uses of Funds

**Distribution of Funding Eligible Entities***

- **Total BiL Appropriation:** $550 million
- **Formula Grants:** 98% of total funds
- **Competitive Grants:** 2% of total funds

**States:** 28%

**Tribes:** 2%

**Local Govt. Alternative 1:** 34%

**Local Govt. Alternative 2:** 34%

**Local Goys & Tribes not eligible for formula grants**

**Eligible Uses of Funds**

1. Strategy Development
2. Technical Consultant Services
3. Building Energy Audits
4. Financial Incentive Programs
5. Energy Efficiency Retrofits
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
15. Any Other Appropriate Activity

*Distribution does not reflect DOE technical assistance allocations to be determined before distributing remaining funds to eligible entities.
State Energy Program
SEP BIL Provisions

Funding is directed to State Energy Offices, but there are BIL provisions allowing for greater engagement and coordination between States, Local Governments, and Tribal Nations.

Sec. 40109. State Energy Program

- No dedicated funding
- Support for local governments and Indian Tribes
- Feasibility studies for transmission line routes and alternatives
- Preparation of necessary project design and permits,
- Outreach to affected stakeholders
- $500M for FY22 – FY26
- Tribes and local governments may have a multitude of opportunities to partner with states on SEP-funded energy projects that align with their shared goals

Sec. 40108. State Energy Security Plans

- $250M available until expended
- States will use $ for loans and grants for residential and commercial buildings
- up to 25% of the funds may be used for technical assistance and grants to low-income homeowners and small business owners

Sec. 40502. Energy Efficiency Revolving Loan Fund (RLF) Capitalization Grant Program

- $250M available until expended
- States will use $ for loans and grants for residential and commercial buildings
- up to 25% of the funds may be used for technical assistance and grants to low-income homeowners and small business owners

Sec. 40503. Energy Auditor Training Grant Program

- $40M for FY22 – FY26
- Establishes competitive grant program for eligible States to train individuals to conduct energy audits or surveys of commercial and residential buildings

Note: Only State Energy Offices receive direct funding from DOE through these provisions
### WIP-led Appropriations from FY22 Budget Relevant for States and Local Governments

<table>
<thead>
<tr>
<th>Program Name (DOE)</th>
<th>Funding Amount (enacted)</th>
<th>Description &amp; Eligible Entities</th>
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<tr>
<td>Energy Future Grants</td>
<td>$20 million</td>
<td>Provides funds to support state-, local-, and tribal-level approaches to meeting energy needs at the local level including through financial and technical assistance to eligible entities for energy system planning and analysis and conducting stakeholder engagement</td>
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<tr>
<td>Local Government Clean Energy</td>
<td>$10 million</td>
<td>Funds competitive awards, on-site capacity, peer exchanges, and technical assistance to support the development and deployment of transformative clean energy programs working with qualifying local governments and Tribal Nations, with a focus on energy communities and disadvantaged or small-to-medium jurisdictions</td>
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Q & A
Current Public Sector Initiatives and Energy Planning Tools
Sustainable Wastewater Infrastructure of the Future (SWIFt) Initiative

State, regional, and local agencies as well as facility partners are welcome to join DOE and help develop and share replicable solutions in following the areas: energy data management, energy efficiency improvements, advanced technology integration, and project financing.

Goal to work with 300 wastewater treatment facilities (WWTF)

77 signatory partners that represent over 212 WWTF across 37 states

Partners commit to achieving 5% short-term and 25% long term energy savings

Helped over 70 wastewater facilities cumulatively save over 131 million kWh so far
Sustainable Corrections Infrastructure Partnership (SCIP) Accelerator

Partners work through building blocks of energy management and planning to upgrade correctional portfolios.

Goal: 20% total corrections portfolio energy and water savings

17 state and local partners representing nearly 30% of all state corrections facilities across 16 states

OUTCOMES

• Prototype project designs for campus-based facilities
• Model corrections portfolio improvement plans
• Technical & financing decision-making tools and resources
State and Local Planning for Energy (SLOPE) Platform

**Visualize your energy future with SLOPE** – a free, easy-to-use ‘one-stop shop’ for clean energy planning data

- Access a wealth of energy data and tools in one place to help you identify the most cost-effective options to meet your clean energy and climate goals
- SLOPE houses two distinct data tools designed to support your state or local government in building a 100% clean energy economy:
  - **NEW!** Scenario Planner: build and compare different energy scenarios for future energy consumption, CO₂ emissions, and system costs for your county or state
  - Data Viewer: explore state, city, county, and census-tract level data on renewable energy potential, energy efficiency potential, sustainable transportation, and energy and environmental justice

Visit SLOPE: [maps.nrel.gov/slope](http://maps.nrel.gov/slope)

Comments or Questions? slope@nrel.gov

Example output from SLOPE’s new Scenario Planner tool.
Q & A
Additional Public Sector DOE Resources

For State and Local Governments

• Better Buildings Local Government Sector Page
• State and Local Solution Center and Popular Resources
• Energy Efficiency and Renewable Energy Resources for State and Local Leaders

For K-12 Schools

• A Guide to Zero Energy and Zero Energy Ready K-12 Schools
• Advanced Energy Retrofit Guide for K-12 Schools
• ESPC Primer for K-12 Schools
• Toolkit: K-12 Lighting
• Rural K-12 School Facility Workforce Development and Training

Financing Resources

• Better Buildings Financing Navigator
• Achieving Energy Savings in Small- and Medium-Sized Public Facilities: A Strategic Approach to Prioritizing and Financing
• Toolkit: Green Revolving Funds
• Toolkit: Commercial Property-Assessed Clean Energy (PACE)
• Toolkit: Energy Savings Performance Contracting (ESPC)
• Energy Savings Performance Contracting for Small Projects Primer

Addressing Energy Burden

• Low Income Energy Affordability Data (LEAD) Tool
• Toolkit: Clean Energy for Low-Income Communities Accelerator (CELICA)

Infrastructure, Resilience, and Energy Planning

• State and Local Planning for Energy (SLOPE) Platform
• Better Buildings Sustainable Wastewater Infrastructure of the Future (SWIFt) Accelerator 2.0
• Toolkit: Low Carbon Technology Strategies
• Street Lighting Acquisition Evaluation Tool
• Energy Efficiency and Distributed Generation for Resilience: Withstanding Grid Outages for Less
• How DERs Can Improve Resilience in Public Buildings: Three Case Studies & Step-by-Step Guide

Implementing Data Management

• Energy Data Management Guide
• Benchmarking & Transparency: Resources for State and Local Leaders
• Smart Energy Analytics Campaign Toolkit
• Building Technologies Office Building Energy Data subprogram

Bipartisan Infrastructure Law Resources

• White House Fact Sheet: Bipartisan Infrastructure Investment and Jobs Act
• Bipartisan Infrastructure Law Programs

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• More than 400 tools, resources, and best practices

State and Local Spotlight
• Monthly newsletter with ~30,000 subscribers

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State and Local Inbox
stateandlocal@ee.doe.gov

Energy Efficiency and Renewable Energy Resources for State and Local Leaders
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