

ENERGY EFFICIENCY AND RENEWABLE ENERGY RESOURCES

FOR STATE AND LOCAL LEADERS



The Bipartisan Infrastructure Law Will Deliver for American Workers and Families, Ushering in a Clean Energy Future



On November 15, 2021, President Biden signed the Bipartisan Infrastructure Law (BIL)—a once-in-a-generation investment in our nation’s infrastructure, competitiveness, and communities. BIL will turbocharge clean energy deployment by funding several highly effective state and local programs that will spur projects that increase access to energy efficiency to save money for American families, businesses, and communities, help achieve our clean energy goals, and accelerate job growth. BIL provides over \$62 billion to stand up 60 new U.S. Department of Energy (DOE) programs, including 16 demonstration and 32 deployment programs, and expands funding for 12 existing Research, Development, Demonstration, and Deployment (RDD&D) programs. The act also expands existing Weatherization and Intergovernmental Program (WIP) grant and loan programs to help states weatherize homes, increase energy efficiency, and expand clean generation.

Weatherization Assistance Program (WAP) Grantees will receive \$3.16 billion to increase the energy efficiency, health, and safety of more than 500,000 low-income households and reduce their energy costs by hundreds of dollars every year.

The State Energy Program (SEP) received \$500 million, which will be allocated to State Energy Offices (SEOs) to support efforts that advance economy-wide decarbonization, clean energy workforce development, and environmental justice and equity. SEP will also administer the Energy

Efficiency Revolving Loan Fund Capitalization Grant Program, a \$250 million program that will provide funding to SEOs to enable them to provide loans and grants for energy efficiency audits, upgrades, and retrofits in residential and commercial buildings. Finally, SEP will manage the Energy Auditor Training Grant Program, a \$40 million competitive grant program to train individuals to conduct energy audits or surveys of commercial and residential buildings.

DOE will administer the \$550 million Energy Efficiency and Conversation Block Grant (EECBG) Program to assist eligible cities, counties, states, territories, and tribes in implementing strategies to decrease fossil fuel emissions, reduce the total energy use of the eligible entities, and improve energy efficiency in the transportation, building, and other appropriate sectors.

Lastly, BIL authorizes DOE to provide assistance to states for the implementation, review, and revision of a state energy security plan that assesses the state’s existing circumstances and proposes methods to strengthen the ability of the state to have a reliable, secure, and resilient energy infrastructure.

Visit DOE’s Bipartisan Infrastructure Law homepage for more information:

energy.gov/bil/bipartisan-infrastructure-law-homepage



Join the Clean Energy Corps

The Department is seeking talented, diverse, and hardworking individuals—both internal and external to DOE—to join the Clean Energy Corps. With the investments from the BIL, the Clean Energy Corps offers you the chance to be a part of the clean energy revolution and make a difference in the fight against the climate crisis. To learn more about job opportunities as they become available, visit the [Clean Energy Corps Job Announcements](#) page.



Find WIP Projects in Your State

To find out if your state or region has partnered with WIP on past or current initiatives, visit the interactive WIP Project Map. The Project Map allows users to find a state’s SEP and WAP projects, recently published WIP success stories, and voluntary partnerships including Better Buildings Initiatives. Learn more by visiting the [WIP Project Map](#).

Funding Opportunities:

EERE funding opportunities are available at eere-exchange.energy.gov. For other federal funding opportunities, visit grants.gov.

Expanding Access to Energy Efficiency and Clean Energy for Families, Communities, and Businesses



The U.S. Department of Energy (DOE) Weatherization and Intergovernmental Programs Office (WIP) helps state and local governments implement cost-effective and productive energy systems for American homes, communities, businesses, and industries. **WIP supports DOE's mission to achieve a 100% clean energy economy by 2050, catalyze the creation of American jobs, and advance energy justice in underserved communities.** WIP's mission is to enable strategic investments in energy efficiency and renewable energy technologies using innovative practices across the United States.

WIP's near-term activities produce almost immediate results: saving taxpayer dollars, making full use of domestic energy resources, boosting local economic development and job creation, cutting energy waste, improving energy independence and security, and furthering the development of energy infrastructure. WIP supports DOE's strategic objectives through the Weatherization Assistance Program (WAP) and State Energy Program (SEP). For example:

- WAP has weatherized more than **7 million homes** and **annually supports 8,500 jobs** across the country. Through these weatherization improvements, households save an average of \$372 every year.
- States use SEP funds to implement their energy security, economic development, clean energy, resiliency, and emergency preparedness plans. Since 2010, SEP has supported states in **reducing energy waste in more than 45,000 public buildings** (250 million square feet) through energy efficiency upgrades.

WIP also helps states, local governments, and K-12 schools meet their clean energy goals by developing tools and solutions that address pervasive barriers, convening peer exchanges to showcase replicable models, and providing technical assistance and information from leading experts.

State and local leaders successfully leveraged resources to achieve:

Weatherization Assistance Program

\$13 million in first-year home energy savings

State Energy Program

\$4.50 in energy savings for every \$1 dollar of federal investment

Financing Investments

ESPC Accelerator:
\$2.1 billion
C-PACE Working Group:
\$70 million

Buildings Savings

Better Buildings Challenge
Public-Sector Partners:
\$1 billion; 109 trillion BTU;
5.8 million metric tons
of CO₂ equivalent

Infrastructure Savings

SWIFT Initiative:
131 million kWh
Outdoor Lighting Accelerator:
\$48 million per year



Find more information
and resources:

State and Local Solution Center: energy.gov/eere/slsc/state-and-local-solution-center
Better Buildings Solution Center: betterbuildingssolutioncenter.energy.gov/

New Tools and Resources

WIP strategically plans its technical assistance to showcase clean energy leadership best practices and replicable models that help maximize energy and cost savings, combat climate change, and help achieve energy justice in communities. WIP compiles these technical assistance resources and initiatives in the State and Local Solution Center (SLSC) website, which houses more than 400 tools, work products, and best practices. The following is a selection of some of the most recent SLSC resources that support public-sector energy efficiency and renewable energy activities:



Develop Plans and Programs

Craft an energy plan and/or create a program or initiative to achieve energy goals.

- **The State and Local Planning for Energy (SLOPE) Platform:** SLOPE's groundbreaking Scenario Planner allows users to visualize scenarios for future energy consumption, CO2 emissions, and system costs of a selected state or county. The Platform also features SLOPE Stories, which provide real-world examples of how states and local governments are using SLOPE to better understand their energy use and clean energy potential. SLOPE's Data Viewer integrates energy and environmental justice-related data and projections for the cost and performance of key efficiency technologies.
- **Renewable Energy Integration & Optimization Model (REopt):** DOE's free online tool now features a new slider functionality that models electricity consumption reductions achieved through energy efficiency, allowing the user to model distributed generation and storage investments that are sized for a specific site, and thus more affordable.
- **Electric Vehicle Tools Fact Sheet:** This fact sheet provides a sampling of key DOE and national lab resources available to states and local jurisdictions to help plan for the expansion of electric vehicles and associated charging infrastructure.



Empower Organizations

Craft an energy plan and/or create a program or initiative to achieve energy goals.

- **State Energy Program Operations Manual 2022 Edition:** A reference tool for state energy offices, program officials within DOE, and other relevant stakeholders that includes updated guidance on program operations, new funding, and program requirements stemming from the BIL.
- **Building Your Energy Team webpage:** This page provides resources to assist states, local governments, and K-12 schools in building their energy teams, including position description templates, national programs that support public-sector energy teams, and case studies that highlight how organizations leveraged these programs to support their energy teams.
- **Federal Financial Assistance Programs for Resilience Activities:** This page informs resilience-focused energy planning in the public sector and features an interactive matrix that lists selected federal financial assistance programs available to state, local, tribal, and territorial governments for natural hazard mitigation and energy resilience activities.



Establish Financing

Access and use financing mechanisms to achieve energy goals.

- **Long-Term Performance of Energy Efficiency Loan Portfolios:** This report reviews and documents the financial performance of four large and long-running residential energy efficiency financing programs. The analysis presented will inform potential capital providers, lenders, and program administrators and help them assess the likely outcomes and risks associated with energy efficiency lending.
- **eProject eXpress:** A streamlined, tailored pathway for state and local governments to document, track, and demonstrate the ongoing value of their ESPC projects and programs. WIP and Lawrence Berkeley National Laboratory offer ongoing eProject eXpress trainings and informational materials.
- **Energy Savings Performance Contracting for Small Projects Primer:** This new resource highlights strategies and case studies for implementing ESPC in smaller towns, rural counties, and small school districts to complete energy upgrades and maximize energy and cost savings.
- **Achieving Energy Savings in Small- and Medium-Sized Public Facilities: A Strategic Approach to Prioritizing and Financing:** This resource can help state, local government, and K-12 school staff managing small- and medium-sized facilities to strategically prioritize and finance energy-saving projects.
- **An Ally in Your Corner: Benefits of Using Owner's Representatives:** This report provides the business case for retaining an owner's representative (i.e., a third-party technical consultant that protects customers' interests) for oversight on ESPC projects.

Partner With Us

To help accomplish its mission, WIP leads voluntary partnership initiatives with public-sector stakeholders, including states, local governments, K-12 school districts, and community-based nonprofits. All partnership initiatives are voluntary, with partners typically making a good faith commitment toward achieving a measurable goal or outcome by a specific date. As a part of this partnership, DOE shares: (1) tools and resources that provide targeted, step-by-step instructions for action; (2) opportunities for peer exchange and dialogue with experts; and (3) recognition for achievements and demonstration of replicable best practices. Below are some of WIP's active voluntary partnership opportunities.

Sustainable Wastewater Infrastructure of the Future (SWIFt) Initiative

SWIFt helps public water and wastewater treatment facilities reduce their energy consumption and operating costs. Through SWIFt, DOE plans to work with at least 300 facilities to help them achieve 5% short-term and 25% long-term energy savings, implement advanced energy technologies to support decarbonization, improve system resiliency, and implement strategic energy management systems. This partnership opportunity is available to all states, local governments, utilities, and facilities. energy.gov/eere/slsc/wastewater-infrastructure



Sustainable Corrections Infrastructure Partnership (SCIP) Accelerator

The SCIP Accelerator works with state and local partners on the building blocks of energy management and planning to achieve portfolio-wide energy and water savings of 20% in correctional facilities. Over 17 partners representing almost 30% of public correctional facilities in the United States are designing solutions leveraging energy and water efficiency, renewable energy, and storage technologies to reduce operating and maintenance costs and improve resilience. betterbuildingsolutioncenter.energy.gov/accelerators/corrections-infrastructure

Technology Action Groups (TAGs) for State Energy Offices

TAGs are a multiyear pilot initiative within SEP to facilitate collaboration between DOE and the 56 SEOs. Participation in the TAGs is voluntary and allows states to coordinate their efforts and receive technical assistance from DOE. TAGs were launched in summer 2021 and cover the following topics: on-site energy systems at critical facilities and main street revitalization. Future TAG topics will be determined in collaboration with states. energy.gov/eere/slsc/partner-us



DOE's Better Buildings Challenge

WIP supports more than 75 public-sector partners in the Better Buildings Challenge. These states, local governments, and K-12 school district partners make a voluntary commitment to reduce the energy use of their building portfolios by 20% within 10 years and are making progress toward their energy reduction goals. betterbuildingsolutioncenter.energy.gov/challenge

Better Climate Challenge

In February 2022, DOE announced a new effort that invites organizations to set ambitious, portfolio-wide greenhouse gas emission reduction goals. This new challenge provides additional opportunities for peer exchange and technical assistance to meet the urgent call to mitigate the impacts of climate change.

Visit betterbuildingsolutioncenter.energy.gov/climate-challenge for more information.



Explore DOE Toolkits

Toolkits are collections of resources that include best practices and replicable models developed by and for public-sector partners through DOE initiatives. The toolkits outlined below are the result of previous WIP voluntary partnership initiatives.



Commercial PACE Toolkit

The **Commercial PACE (C-PACE) Toolkit** is a four-part compilation of resources that any state or local government can use to navigate barriers and benefit from C-PACE financing. Toolkit resources support best practices and innovative approaches successfully used by states and local governments to establish, join, or design a C-PACE program, implement a program and generate project uptake, and apply C-PACE to support underserved communities or advance resilience objectives. Toolkit resources support best practices and innovative approaches successfully used by 17 state and local partners to generate \$70 million in C-PACE investments.

ESPC Toolkit

The **ESPC Toolkit** features tools and resources that 25 state and local government partners in the ESPC Accelerator used from 2016–2019 to invest \$2.1 billion in energy efficiency and create a legacy to support ESPC into the future, including sector-specific primers (e.g., K-12 schools, fleets and fueling infrastructure, water resource recovery facilities, and small projects).

Wastewater Energy Management Toolkit

The **Wastewater Energy Management Toolkit** features tools and resources more than 25 state, local, and regional partners that represented more than 70 wastewater resource recovery facilities used in 2016–2019 to cumulatively achieve almost 7% (131 million kWh) in energy savings and put in place plans for 30% long-term energy savings. The Toolkit is the result of Phase 1 of the SWIFt Accelerator. SWIFt Phase 2 is currently welcoming partners (see the “Partner With Us” section).

Clean Energy for Low-Income Communities Accelerator (CELICA) Toolkit

The **CELICA Toolkit** provides an overview of tools, resources, and models for developing low-income energy efficiency and renewable energy programs. This toolkit provides materials to help program administrators reduce energy burden for low-income communities by enhancing and expanding upon work funded through utility, state, or federal programs. The CELICA Toolkit is an outcome of a 2-year partnership with over 30 stakeholders from the public, private, and nonprofit sectors.

Outdoor Lighting Toolkit

The **Outdoor Lighting Toolkit** is an outcome of the Outdoor Lighting Accelerator that successfully worked with 25 state and local partners to garner a commitment to upgrade 1.3 million streetlights that, once achieved, will save partners an estimated \$48 million per year. To find other toolkits from across DOE, visit the [Better Buildings Solution Center](#).

BETTER BUILDINGS is a DOE platform designed to improve the lives of the American people by driving leadership in energy innovation. Through Better Buildings, DOE partners with leaders in the public and private sectors to make the nation’s homes, commercial buildings, and industrial plants more energy efficient by accelerating investment and sharing of successful best practices. Visit betterbuildingsolutioncenter.energy.gov.



Stay Connected

The **State and Local Solution Center** is a one-stop shop of impactful public sector resources.

Email WIP’s Q&A inbox for information about available resources for state, local government, and K-12 school districts: stateandlocal@ee.doe.gov.

The **State and Local Spotlight Newsletter** is WIP’s monthly newsletter for state, local, and K-12 officials, with updates on relevant news, resources, and events.

U.S. DEPARTMENT OF
ENERGY

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& RENEWABLE ENERGY**

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