

U.S. DEPARTMENT OF  
**ENERGY**

Office of  
**ENERGY EFFICIENCY &  
RENEWABLE ENERGY**

**U.S. State Energy Program: Multi-Year Planning, Metrics, and Assistance**

## **NASEO's Energy Policy Outlook Conference**

**AnnaMaria Garcia, WIP Director &  
Amy Royden-Bloom, SEP Manager**

February 10, 2022



# EERE Mission and Priorities

*Accelerate the research, development, demonstration, and deployment of technologies and solutions to equitably transition America to net-zero greenhouse gas emissions economy-wide no later than 2050, creating good paying jobs, and ensuring the clean energy economy benefits all Americans, especially workers and communities impacted by the energy transition and those historically underserved by the energy system and overburdened by pollution.*

## EERE Mission

## EERE Program Priorities

Decarbonizing the electricity sector

Decarbonizing transportation across all modes

Decarbonizing energy-intensive industries

Reduce the carbon footprint of buildings

Decarbonizing the agriculture sector

## Keys to Ensure Greatest Impact



**Energy and Environmental Justice**



**Diversity in STEM**



**Workforce Development**



**State and Local Partnerships**

# WAP Provisions - Infrastructure Investment and Jobs Act & Other Funding Streams

## SEC. 40551. WEATHERIZATION ASSISTANCE PROGRAM



- \$3.5 Billion for fiscal year 2022 to remain available until expended.
- Wage Rate requirements to WAP - section 41101 shall apply only to work performed on multifamily buildings with not fewer than 5 units.

## SEC 414(D) of ENERGY ACT OF 2021



- Not part of BIL; applies to all WAP appropriations
- 6% of \$3.5B (\$25M) for **WAP Enhancement & Innovation Fund (E&I) competitive awards; WAP network and not-for-profits eligible**

## SEC. 411 EISA



- not part of BIL; S1 option when WAP appropriations >\$275M
- 2% of \$3.5B (\$70M) for **WAP Sustainable Energy Resources for Consumers (SERC) competitive awards; WAP network eligible**

**All funding is targeted to low-income households,  
200% of Federal Poverty Guidelines or less.**

# SEP Provisions – Infrastructure Investment and Jobs Act

## Sec. 40108. State Energy Security Plans



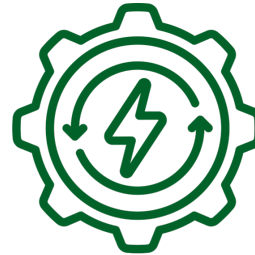
- No dedicated funding
- New requirement and associated guidance for SEOs to submit a State Energy Security Plan to receive federal funding.
- Requirement sunsets 10/31/25

## Sec. 40109. State Energy Program



- \$500m for FY22 – FY26
- Provides additional funding to SEP and adds new mandatory and optional requirements for State Energy Conservation Plans.

## Sec. 40502. Energy Efficiency Revolving Loan Fund Capitalization Grant Program



- \$250m, available until expended
- Provides capitalization grants to states to establish a revolving loan fund.
- States can use these funds for loans and grants for energy efficiency audits, upgrades, and retrofits for residential and commercial buildings.

## Sec. 40503. Energy Auditor Training Grant Program



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

**EECBG**  
**\$550 million**

# State Listening Session – Infrastructure Investment and Jobs Act

- Held Wednesday, February 2, 2022
- Goal → Gain actionable information from the state perspective to maximize the impact of federal funding and accelerate clean energy, economic, and energy and environmental justice objectives.
- Remarks from EERE and state leaders and regional breakout sessions facilitated by DOE and NREL staff
- Key topics discussed:
  - Technical assistance needs.
  - Advancing energy and environmental justice priorities.
  - State workforce training and development activities and needs.
- No public recording.



# Weatherization Assistance Program



The U.S. Department of Energy's (DOE) Weatherization Assistance Program (WAP) is the nation's largest whole-house energy efficiency program with a unique mission.

*WAP reduces energy costs for low-income households by increasing the energy efficiency of their homes, while ensuring their health and safety.*

- **35,000** homes weatherized annually with Congressional appropriated funds (*average over the last 10 years*).
- Supports the workforce with over **8,500** direct and indirect jobs.
- Over **7 million** households have received weatherization services.

# Partnerships and Technical Assistance (P&TA) Team



Working in partnership with states, local governments, K-12 school districts, and stakeholders to:



Convene **PEER EXCHANGES** to showcase replicable models



Create **TOOLS AND SOLUTIONS** that address pervasive barriers

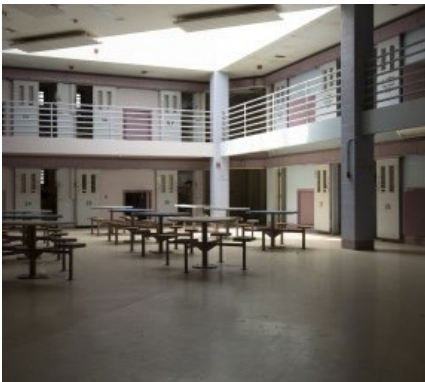


Provide **TECHNICAL DATA AND INFORMATION** from leading experts



**Goal:**  
Maximize energy and cost savings

# Current Voluntary 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 January 2022, **63 signatory partners** that represent **157 wastewater facilities** across **34 states**

**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 launched in January of 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 January 2022, **17 partners** (16 states and one county) that represent almost **30%** of state correctional facilities

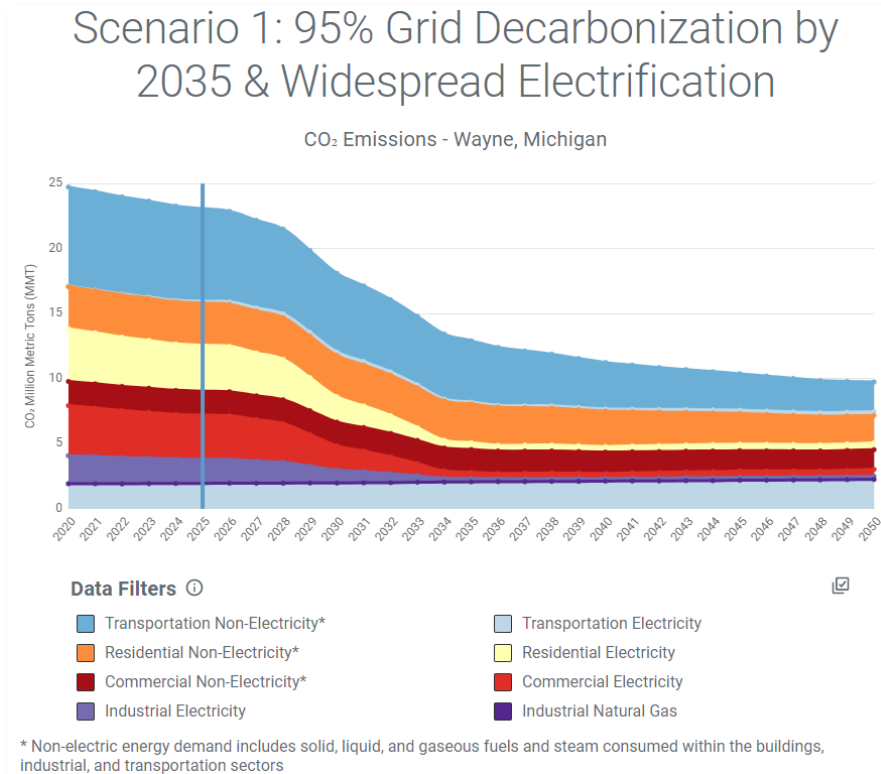
In 2022, 17 partners representing over **150 SWIFt and SCIP facilities** will participate in cohorts to pursue the first-ever **50001 Ready** designation for their respective wastewater and correctional facilities\*

\*There are 157 facilities represented by the 10 partners in the SCIP 50001 Cohort; SWIFt is currently working directly with 7 facilities as part of the SWIFt 50001 Cohort.



# State and Local Planning for Energy (SLOPE) Platform

SLOPE is a free, easy-to-use online platform to support data-driven state and local energy and decarbonization planning



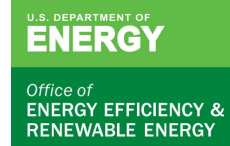
- Integrates **energy data and tools in one place** to help jurisdictions understand the various cost-effective options to meet their clean energy and climate goals
- Enables data-driven **economy-wide decarbonization planning**
- Includes **two distinct data tools** designed to support state and local governments in building a 100% clean energy economy:
  - **NEW! Scenario Planner:** build and compare different energy scenarios for future energy consumption, CO<sub>2</sub> emissions, and system costs for counties and states
  - **Data Viewer:** explore city, county, and state data on renewables, efficiency, and transportation

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

Webinar: February 15, 2-3pm ET

Comments or Questions?

[slope@nrel.gov](mailto:slope@nrel.gov)



# Stay Connected

## Outreach

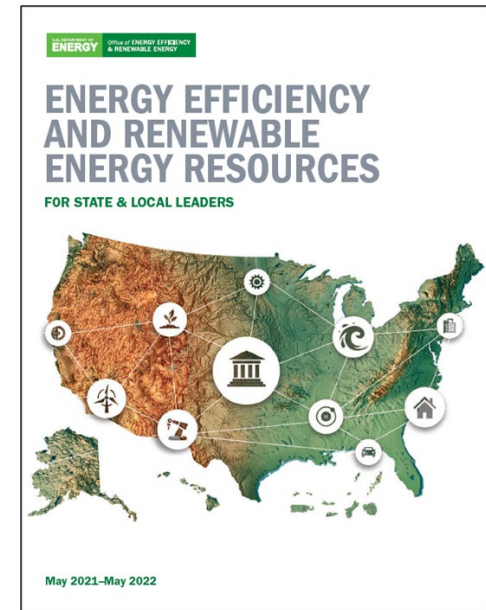
- **State and Local Solution Center**  
More than 400 tools, resources, and best practices
- **State and Local Spotlight**  
Monthly newsletter with over 33,000 subscribers
- **Better Buildings, Better Plants Summit**  
Register now for the Summit on May 17-19, 2022, that will feature engaging and interactive sessions and stay tuned for more information

## New Solution – Highlights

- **Building Your Energy Team Resources**  
Webpage to assist public-sector stakeholders in building their energy teams, including position description templates, national programs that support public-sector energy teams, and case studies
- **An Ally in Your Corner: Benefits of Using Owner's Representatives**  
Provides prospective ESPC customers with key considerations for retaining an owner's representative
- **Commercial PACE Toolkit**  
The C-PACE Toolkit is a compilation of resources that any state or local government can use to navigate barriers and benefit from C-PACE financing

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

Contact WIP:  
[stateandlocal@ee.doe.gov](mailto:stateandlocal@ee.doe.gov)



MAY  
17-19  
2022

Better Buildings, Better Plants  
**SUMMIT**

# State Energy Program

Amy Royden-Bloom, Manager, State Energy Program

# SEP Mission & Overview

- SEP provides funding and technical assistance to the 50 states, 5 territories, and the District of Columbia to:
  - Enhance energy security.
  - Advance state-led energy initiatives.
  - Increase energy affordability.

SEP is cost-effective

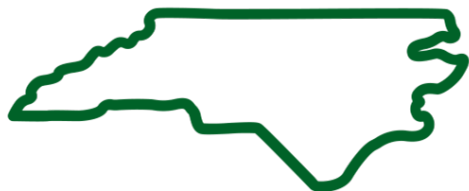
\$4.50 saved per \$1 invested

SEP creates jobs

1 job created per \$2500 invested

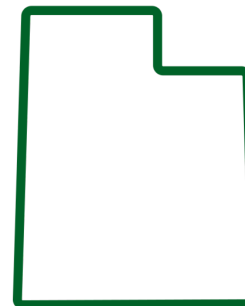
# SEP Competitive Award Highlights

## North Carolina



- **Amount:** \$300,000
- **Goal:** Examine storm-related impacts as well as the costs and benefits of grid resiliency investments
- **Outcomes:**
  - Developed new economic methods to evaluate power system scenarios.
  - Fostered community understanding of resilience and equity benefits of DER.
  - Forthcoming Roadmap on Integrated Resource Plans.

## Utah

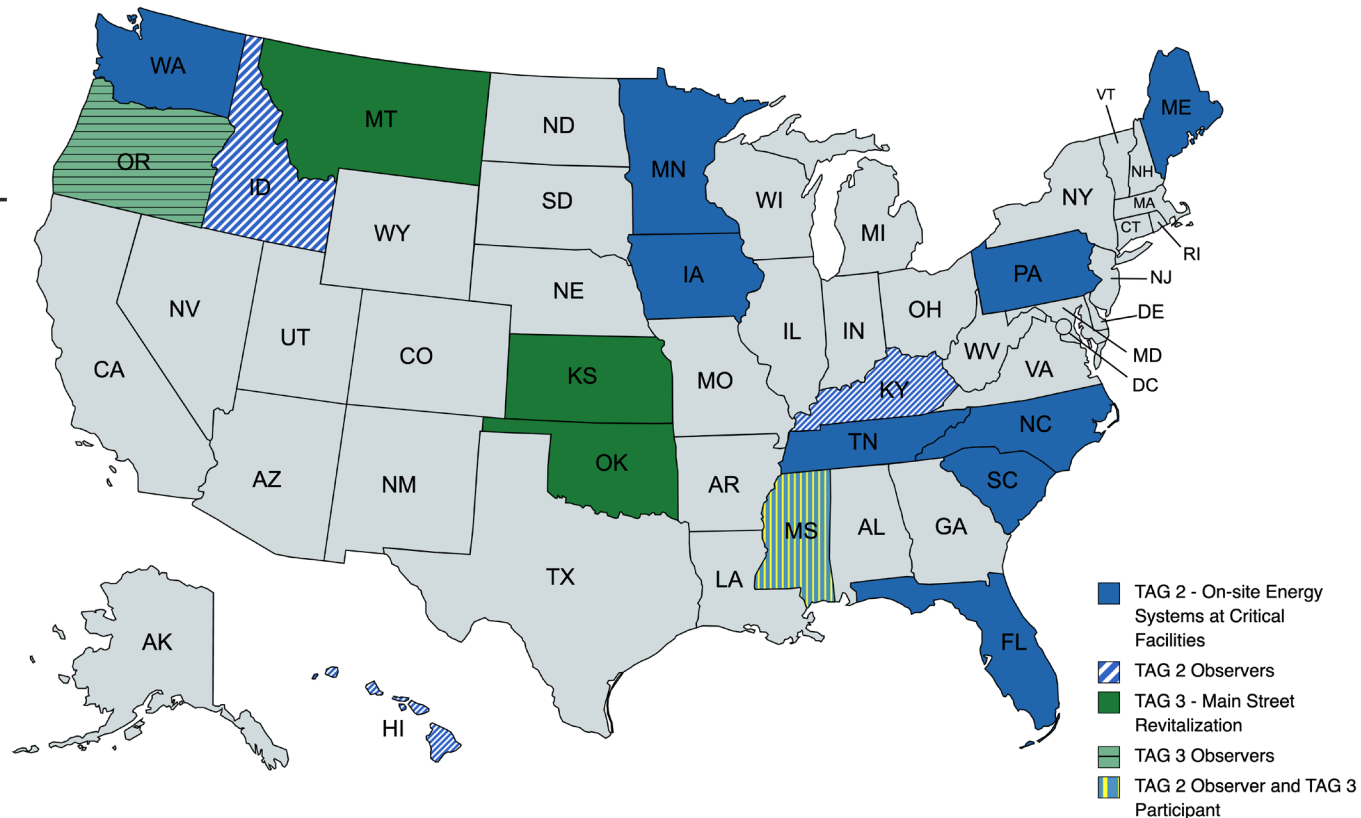


- **Amount:** \$431,043
- **Goal:** Quantify the costs and benefits from potential formation of a western regional energy market
- **Outcome:** [State Market Study](#)
  - Technical Report.
  - Market and Regulatory Review Report, including Scorecards.



# Technology Action Groups (TAGs)

- **On-site Energy Systems at Critical Facilities:** 9 states + 4 observers
- **Main Street Revitalization:** 4 states + 1 observer
- \$614,260 in SEP Annual Funds dedicated



## Progress:

- Monthly Cohort Meetings with DOE, NREL, and States
- Executing on TA plans beginning in January 2022
- Working towards common TAG goals

# Other SEP Special Initiatives

## Workforce Development



- Help states improve workforce development activities through research and collaboration.
- Key deliverables:
  - NASEO research report on best practices and barriers (published)
  - NREL job forecasting report (coming soon)
  - Webinars for states (4 to-date)
  - Resource Guide (coming soon)

## Public Sector Field Validation



- Collaborative effort with BTO's *Building Technologies Proving Ground* initiative.
- 6 recipients selected in 2021 with \$6 million in awards.
- Lab-verified field validation studies forthcoming.

# Other Updates

- **FY 22 SEP Funding Update**
- **SEP National Training Forum 2022**
  - September 27-29, 2022 in Denver, CO
  - Subject to DOE approval
  - Potential virtual option
- **Website Updates**
  - Completed 1/31/22

**SEP Operations**  
**Manual Update**

**New version  
available as of  
2/4/22**

# Questions?

[stateandlocal@ee.doe.gov](mailto:stateandlocal@ee.doe.gov)