



## State Energy Program

### Overview

The **State Energy Program (SEP)**, part of the U.S. Department of Energy’s **Office of Energy Efficiency and Renewable Energy (EERE)**, provides funding and technical assistance to states, territories, and the District of Columbia to enhance energy security, advance state-led energy initiatives, and increase energy affordability. It contributes to EERE’s vision for a strong and prosperous America powered by clean, affordable, and secure energy. SEP is part of the **Weatherization and Intergovernmental Programs Office**, whose mission is to enable strategic investments in energy efficiency and renewable energy technologies through the use of innovative practices and partnerships. SEP emphasizes the state’s role as the decision maker and administrator for program activities within the state that are tailored to their unique resources, delivery capacity, and energy goals.

States use SEP funds to address implementation and financing barriers to enable accelerated deployment of replicable, cost-effective, energy efficiency and renewable energy technologies.

### Funding

State Energy Offices (SEOs) play a vital role in establishing plans and strategies to achieve state-led energy goals and priorities. Since 2017, SEP has provided more than \$203 million to State Energy Office activities that result in reduced energy costs, increased economic competitiveness, and coordinated energy-related emergency preparedness and response.

### Program Outcomes and Benefits: FY17-FY20<sup>1</sup>

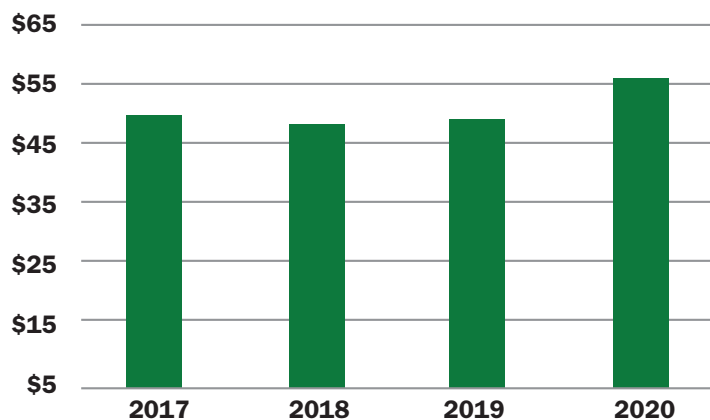
Since 2017, SEOs across the United States have:

- Implemented energy security, resiliency, and emergency preparedness plans;
- Developed state-led strategic energy initiatives;

- Invested in the expanded use of energy resources abundant in individual states and territories;
- Facilitated upgrades of energy efficiency in more than 24,000 buildings (91 million square feet);
- Facilitated installation of more than 34,000 renewable energy systems;
- Supported education and training of more than 1.4 million people to perform energy audits and upgrades;
- Piloted innovative energy projects within the private sector, K-12 schools, and universities;
- Executed numerous energy savings performance contracts to undertake retrofit projects in public facilities; and
- Developed implementation models that serve as “how-to” guides for other states who wish to replicate programs that are achieving energy efficiency savings.

<sup>1</sup> Data reported through May 2020

**SEP Funding History (2017–2020)**



SEP competitive awards in the amount of \$5 million from Fiscal Year 2017 were awarded to applicants under three areas of interest:

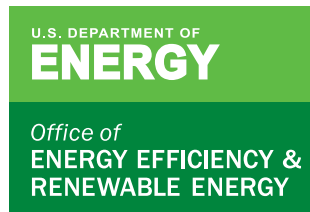
1. State Energy Planning
2. Opportunities for Innovative Energy Efficiency and Renewable Energy Programs (topic areas include financing; benchmarking and disclosure; resilience; working with local governments; and evaluation, measurement, and verification)
3. Technical Assistance to Advance SEP Formula Grant Clean Energy Activities.

## Examples of SEP-Funded, State-Led Work:

- **Hawaii** and partners developed HAVEN, a data visualization tool that can demonstrate policy choices and trade-offs necessary for energy system transformation in the state. HAVEN has been demonstrated at events around the country, including the National Association of State Energy Offices Energy Policy Outlook Conference in February 2019.
- **Illinois** is using SEP formula funds to conduct comprehensive energy audits at wastewater treatment facilities. The audits identify the energy, cost, and emissions savings associated with recommended process or equipment modifications. Formula dollars are also used to fund energy efficiency upgrades identified by the energy audits. Fifty-seven audits have been conducted, and four projects totaling over \$2,000,000 have been funded.



- **Kentucky's** Office of Energy Policy provided a no-cost learning opportunity to emergency planning committees, local governments, and regional planners to improve energy resilience, planning, and response through a four-part webinar series entitled the Kentucky Energy Assurance Tool Kit. The Tool Kit serves as both a repository for the essential elements needed to develop and institutionalize an energy assurance plan for a community or organization and a structured process to build a team, develop and acquire the required information, and exercise the plan. The Tool Kit includes practical assessments and development tools that will integrate into existing local planning agency practices.
- **Ohio's** Energy Efficiency Program for Manufacturing provides Ohio manufacturers with tools to drive a sustainable energy management program. This program helps Ohio companies reduce costs through lasting energy savings achieved in their manufacturing processes and improve the competitive position of program participants, relative to their worldwide market competitors. The program resulted in 332.8 kilowatt-hours of energy savings between October 1, 2016 and September 30, 2019.
- **Rhode Island**, along with other state and National Lab partners, utilized SEP competitive funds to create Energy Metrics to Promote Residential Energy Scorecards in States (EMPRESS). EMPRESS is designed to encourage the use of home energy label policies or programs, which can better support the market valuation of energy-efficient homes.
- **Texas** uses SEP funding to support its Clean Energy Incubators at universities in the state. This is an effort to improve the commercialization and development of clean energy technology companies statewide. In 2018, Texas estimated that its Texas A&M Engineering Experiment Station Clean Energy Incubator increased gross state product by \$2,200,000 and created 119 jobs, and its University of Texas at Austin Clean Energy Incubator increased gross state product by \$26,200,000 and created 1,895 jobs.
- **Utah** uses SEP formula funds to pay for science, technology, engineering, and mathematics (STEM) outreach. Grant funds support the Utah Power and Energy Career Expo and assist teachers with energy literacy and classroom activities. ■



For more information, visit: [energy.gov/eere/wipo/state-energy-program](https://energy.gov/eere/wipo/state-energy-program)

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