

THE STATE/FEDERAL ENERGY STORAGE TECHNOLOGY ADVANCEMENT PARTNERSHIP PROJECT

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ABSTRACT

The Energy Storage Technology Advancement Partnership (ESTAP) is a new federal-state funding and information-sharing project that aims to accelerate the deployment of energy storage technologies in the United States. The value proposition for participating states is to work closely with the U.S. Department of Energy (DOE) on near-term joint funding and technology deployment, to join a network of leading states supporting energy storage technology, and to achieve faster progress in energy storage commercialization and economic development.

BACKGROUND

Energy storage has the potential to provide significant support to the integration of renewable energy in the United States. However, public funding and support are critical to accelerate progress and achieve cost reductions and widespread deployment for these technologies, including batteries, flywheels, thermal storage, aboveground compressed air, micro-pumped hydro, and others.

The DOE and Sandia National Laboratories (SNL) are interested in accelerating the pace of deployment of energy storage technologies through a cooperative partnership with interested states. The Clean Energy States Alliance (CESA) has been asked to establish and facilitate this state-federal energy storage technology advancement partnership project. The initiative is funded by SNL and implemented in cooperation with the DOE Office of Electricity Delivery and Energy Reliability (OE).

PROJECT PURPOSE

The project's overall purpose is to create a new federal and state partnership focused on energy storage technologies with joint funding and coordination to accelerate energy storage technology commercialization and deployment.

PROJECT OBJECTIVE

The project's objective is to accelerate the pace of deployment of energy storage technologies in the United States through the creation of a technical assistance and co-funding partnership between the states and the DOE.

PROJECT ACTIVITIES

- Creation of a State Energy Storage Network and a Stakeholder Network
- Information Sharing Webinars and Meetings
- State and Stakeholder Surveys
- Creation of DOE-State Memoranda of Understanding
- Joint Project Funding Framework and Solicitation for Project Deployment

HOW TO PARTICIPATE

Interested state and other entities administering public funds for clean energy projects that are willing to consider committing some funding to and participating in the DOE-State partnership to support energy projects are invited to join the State Energy Storage Network. Members of this network will help develop recommendations for implementing the funding partnership and a structure for advancing cooperation and information sharing. Other interested stakeholders, including manufacturers, universities, and utilities, and other end users within states are encouraged to participate in conjunction with state agencies.

- **Funding level and time frame.** State Energy Storage Network members are asked to use their best efforts to identify and seek state-based funding to contribute to the DOE funding opportunity to advance energy storage technology deployment. Because of state-specific procurement policies, restrictions, and requirements, there may be several different approaches used and

tailored to participating states to accommodate broad participation in the cooperative arrangement with DOE. There is no required funding amount to participate. However, states are strongly encouraged to consider providing at least a funding level of \$1 million to leverage matching DOE energy storage cost-share support in the 2011-2012 time frame. States will retain full discretion to apply state-specific criteria to any projects where state funding is awarded as a cost share.

- **Timeline.** During the spring, summer, and fall of 2011, the Project Team will be meeting individually with interested states to discuss and agree on the details of the co-funding arrangement, including clarifying state interests, priorities, and questions. Then, interested states will meet as a group in late 2011 to review and attempt to finalize a project selection process and cost-sharing arrangements with the DOE.

Interested states are invited to participate by contacting CESA's project director, Anne Margolis (anne@cleanegroup.org or 802.223.2554). Additional information is available on the ESTAP page at www.cleanenergystates.org.

BIOGRAPHICAL NOTE

Conference presenter: Anne Margolis is a Project Director for the Clean Energy States Alliance (CESA), where she focuses primarily on member services as well as outreach and communication efforts to members and external stakeholders, including creation of print and web content. She directs the Energy Storage and Technology Advancement Partnership (ESTAP) and also co-directs the CESA Solar and the Wind Siting & Acceptance Projects, as well as managing CESA's State Leadership in Clean Energy (SLICE) awards program. Before joining CESA, Ms. Margolis was the Director of the Vermont Clean Energy Development Fund. She holds a B.A. degree in Environmental Studies from Dartmouth College.