



Strategic Energy Management

Smart, Efficient Low Carbon Building Energy Solutions

MISSION

Accelerating adoption of Strategic Energy Management as a means of providing integrated commercial and industrial sector solutions that increase efficiency and productivity, reduce costs and carbon emissions, and respond to grid needs.

Combined, the commercial and industrial sectors, account for roughly 45 percent of energy use and carbon emissions in the Northeast region. Opportunities for energy efficiency, grid load management, and productivity abound, yet barriers persist that prevent these savings from being achieved. With the support of energy efficiency program technical assistance and incentives, Strategic Energy Management (SEM) has emerged as a pathway to achieve significant energy and carbon reductions within these sectors. NEEP's 2020 Strategic Energy Management Initiative seeks to drive accelerated adoption of SEM through stakeholder information sharing, tools/resources, and collaboration.

Regional Trends and Leaders:

- A growing number of energy efficiency programs in the Northeast offer Strategic Energy Management as a program to achieve valuable energy and demand savings. Recently, MA and RI joined NY and VT in offering SEM programs for their C&I customers.
- U.S. DOE recently launched an exciting new program, 50001 Ready, to assist C&I companies in implementing SEM in their facilities. Some programs in the region have explored including the tool as part of their offerings.

LONG-TERM MARKET TRANSFORMATION GOALS

By 2025:

- Strategic Energy Management is adopted by 40 percent of the 69,000 manufacturing plants across the region.

By 2030:

- Strategic Energy Management is adopted by 80 percent of the 69,000 manufacturing plants across the region.

NEEP's 2020 Project Outcomes:

1. NEEP's SEM Working Group engages stakeholders from all 13 NEEP states and all major stakeholder groups are represented (EE programs, state/local policymakers, SEM service providers, advocates)
2. Energy efficiency programs in seven Northeast states (CT, MA, NH, NY, PA, RI, VT) support SEM as a program measure
3. NEEP provides support to five regional programs around inclusion of 50001 Ready program as a tool in their SEM offering

Stakeholder Engagement: NEEP will engage a diverse stakeholder group - industry, efficiency programs, state and local government, national labs, U.S. DOE and advocates - to develop and advance long-term regional market transformation strategies to speed the market introduction and adoption of SEM and super-efficient HVAC technologies.

- Northeast/Mid-Atlantic Strategic Energy Management (SEM) Collaborative Working Group
- Northeast/Mid-Atlantic Strategic Energy Management (SEM) Collaborative Workshop

Tracking and Analysis: NEEP will track and analyze leading efforts and progress across the region and facilitate peer exchange to inspire and transfer learning.

- Track and report regional/national SEM activity via quarterly working group meetings

Tools and Guidelines: NEEP will provide and develop new strategies and tools as well as provide technical assistance to programs and industry to advance the market adoption of Strategic Energy Management.

- Provide technical support to regional programs and end-users in their adoption and pursuit of 50001 Ready recognition
- Presentations and briefings focused on opportunities for end-users to adopt, and programs to support their adoption, of 50001 Ready
- Maintain public access to Community Action Planning for Energy Efficiency (CAPEE) technical assistance module for SEM for Municipal Water/Waste Water facilities (NEEP 2018)
- Maintain public access to NEEP's EM&V Best Practices & Recommendations for Industrial SEM Programs (NEEP 2017)

National/Regional Collaboration: NEEP will leverage state, federal, and national resources to inform state plans and policies.

- Monitor, communicate, present, and coordinate with national and regional organizations (e.g., U.S. DOE, U.S. EPA, National Labs, National/Regional SEM collaboratives, etc.)
- Disseminate U.S. DOE best practices and link states to federal programs and resources
- Engage with stakeholders to contribute to the development of national programs

Project Staff



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