



Strategic Energy Management

MISSION

Accelerating adoption of Strategic Energy Management to continuously improve building and industrial facility energy efficiency, productivity, health, comfort and safety, while reducing costs and carbon emissions.

Combined, the commercial and industrial sectors, account for roughly 45 percent of energy use and carbon emissions in the Northeast region. Opportunities abound for energy efficiency, load management, increased electrification and productivity, but persistent barriers impede progress. Over the past several years, Strategic Energy Management (SEM) has emerged in the region as a key pathway to realizing these opportunities. Several energy efficiency programs in the region now provide direct support to their C&I customers to adopt SEM practices. These programs have helped a growing number of business owners and facility managers prioritize facility and operational improvements that reduce costs, energy use and carbon emissions while improving productivity, health and safety. While progress has been made in the growth of SEM programs, customer adoption across the region is still limited in scale. To accelerate further adoption and achieve scale in the market, NEEP's 2021 regional Strategic Energy Management Initiative will engage stakeholders to support the continued practice and expansion of program-driven SEM, as well as examine potential additional strategies to drive significantly more adoption. This will include looking at new policy and program mechanisms as well as engaging additional stakeholder groups such as the sustainable business community.

LONG-TERM MARKET TRANSFORMATION GOALS

By 2025:

- All Northeast states have policies and programs to support adoption of SEM in the commercial and industrial sectors

By 2030:

- All Northeast states adopt 2050 carbon neutral mandates for all homes and buildings with zero energy/carbon codes for new and renovated homes and buildings to begin by 2032.

Regional Trends and Leaders:

- While a growing number of energy efficiency programs (CT, MA, NY, RI, and VT) offer Strategic Energy Management, actual customer participation in programs is growing slowly.
- U.S. DOE's 50001 Ready Program continues to successfully assist C&I companies to implement SEM in their facilities, including manufacturing facilities, water/waste water facilities, etc. Energy efficiency programs in MA, NY, RI, and VT currently offer the tool as part of their SEM assistance.



2021 Project Outcomes

NEEP's 2021 Project Outcomes:

1. All active SEM programs report increased customer participation in their SEM offerings compared to 2020.
2. At least two additional energy efficiency program administrators offer Strategic Energy Management in their program offerings.
3. A state or utility adopts one of the recommendations in the Regional Market Transformation Strategy for SEM.



2021 Strategies and Deliverables

Stakeholder Engagement: NEEP will engage a diverse stakeholder group – business, industry, efficiency programs, state and local government, national labs, U.S. DOE, U.S. EPA and advocates - to develop and advance long-term regional market transformation strategies to speed the market adoption of SEM to increase commercial and industrial facility energy efficiency and/or reduce carbon emissions.

- Convene and facilitate NEEP's Regional Strategic Energy Management (SEM) Collaborative Working Group
 - Working group meetings
 - Email updates on regional/national SEM activity
- Regional SEM Market Transformation Research and Strategy Advisory Committee

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

- Regional and national SEM policy and program tracker blogs and activity summaries
- **New!** SEM Matrix highlighting regional utility programs

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.

- **New!** Two Exemplars of Commercial and Industrial customers who adopted and now successfully practice SEM
- Technical support for regional programs and end-users in their adoption and pursuit of 50001 Ready recognition
- Maintain web-based SEM Resource Center

Research and Reports: NEEP will conduct a comprehensive process that includes robust stakeholder engagement to develop a Regional market transformation strategy for SEM as a key pathway to reduce C&I Sector emissions.

- **New!** Report “Strategies to scale adoption of Strategic Energy Management: Going beyond EE Programs”

National/Regional Collaboration: NEEP will leverage and support 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/Regional SEM collaboratives, national labs, Ceres, Environmental Business Council of New England, AIM, American Sustainable Business Association, NJ Sustainable Business Association, etc.)
- Disseminate U.S. DOE and U.S. EPA best practices and link states to federal programs and resources

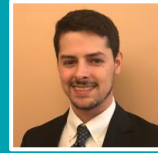
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