

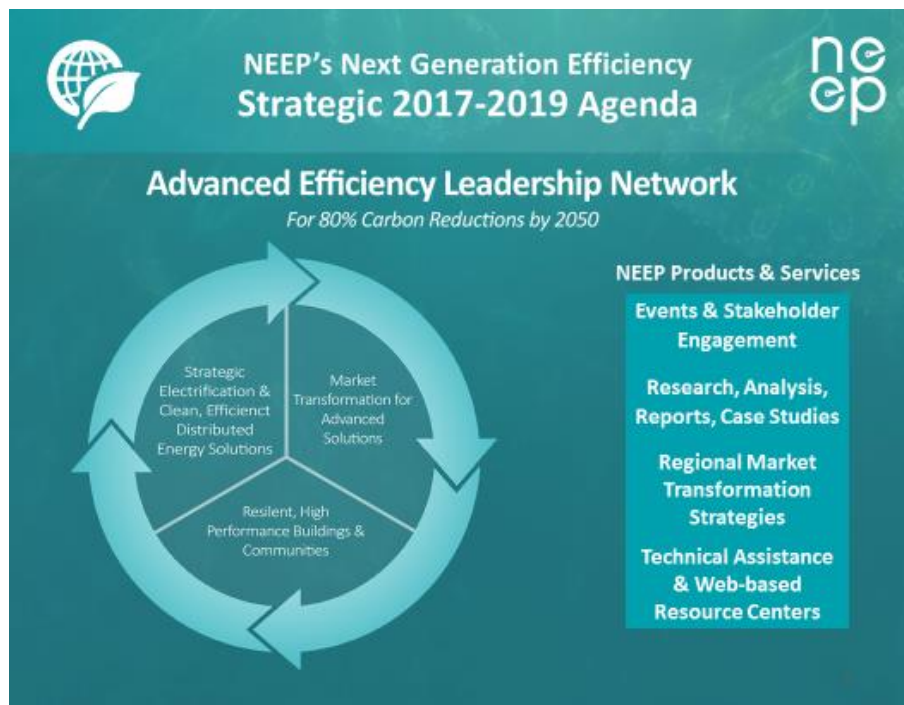


NEEP 2018 PROGRAM PLAN

APPROVED BY THE BOARD OF DIRECTORS- 11/21/17

Mission: We seek to accelerate regional collaboration to promote advanced energy efficiency and related solutions in homes, buildings, industry, and communities.

Goal: Assist the Northeast and Mid-Atlantic region to reduce building sector energy consumption three percent per year and carbon emission 40 percent by 2030 (relative to 2001).



2018 Goals and Outcomes

- **NEEP's Mission Impact** – Increase public and private sector commitments and actions in the region that accelerate the adoption of energy efficient solutions as a core pathway to meet carbon reduction, energy security and affordability, and economic development goals.
- **NEEP Stakeholder Engagement** – Engage an influential cross-section of Northeast and Mid-Atlantic public and private sector leaders to accelerate the energy efficiency transformation of homes, buildings, industry and communities to reduce carbon emissions by 80% by 2050, and inspire others to likewise take action.
- **NEEP Growth** – Grow NEEP's regional network of state partnerships, committed Allies and funders, and project and event participants to accelerate energy efficiency at the local, state and regional level, and to achieve regional-scale impacts across Northeast and Mid-Atlantic States.
- **NEEP Products and Services** – Deliver all committed products and services on time and on budget with a high level of participant and customer satisfaction.



2018 Program Portfolio

A. Leadership Recognition and Progress Tracking

1. Northeast Advanced Efficiency Leadership Summit
2. Advanced Evaluation, Measurement and Verification (EM&V) Leadership Forum
3. Advanced EM&V Solutions
4. Policy and Program Trends and Progress Tracking, Analysis and Exemplars

B. Resilient, High Performance Buildings and Communities

1. Resilient, High Performance Communities Leadership Forum
2. High Performance Community Pathways and Resources
3. Building Energy Codes and Benchmarking
4. Home Energy Labeling Information Exchange (HELIX)

C. Integrated Advanced Efficiency Solutions

1. Advanced Integrated Solutions Leadership Forum
2. Air Source Heat Pumps and Smart Energy Homes
3. Efficient, Low Carbon Commercial and Industrial Solutions
4. Federal and State Appliance Efficiency Standards

D. Strategic Electrification

1. Northeast Strategic Electrification Leadership Forum
2. Strategic Electrification Progress Tracking, Case Studies and Regional Communications Strategy

2018 Program Capsule Descriptions

A. Leadership Recognition and Progress Tracking

1. **Northeast Advanced Efficiency Leadership Summit:** A Fall 2018 Regional Summit that will bring together participants in NEEP's Leadership Forums and Working Groups with invited members of the public and media to inspire action with new ideas, and highlights of regional progress in advancing energy efficiency.
2. **Advanced Evaluation. Measurement and Verification (EM&V) Leadership Forum:** The EM&V Leadership Forum is a quarterly convening of invited public and private sector leaders to highlight regional progress and successes, and explore trends, needs and options to use advanced and automated tools, as well as other techniques and protocols, to meet regulatory needs for EM&V, integrate efficiency and demand response into grid reliability programs, optimize efficiency energy and non-energy impacts, and support the market valuation of energy efficient homes and buildings.
3. **Advanced EM&V Solutions:** NEEP-convened public meetings and webinars, training and education, research and tracking, analysis and reports, newsletters, web-based resource library, jointly-funded studies, and technical assistance to build knowledge, understanding and use of advanced EM&V to meet energy, grid reliability, affordability, and carbon reduction goals across the region. This is supported in



part by a U.S. DOE funded multi-state initiative hosted by Connecticut for advanced measurement and verification.

4. **Policy and Program Trends and Progress Tracking, Analysis and Case Studies:** Regional tracking of key metrics, state and local policies, program impacts, and successes with case studies and trend analyses of advanced energy efficiency, community leadership, strategic electrification as key pathways to carbon emissions reduction, economic development, and energy affordability and security.

B. Resilient, High Performance Buildings and Communities

1. **Resilient, High Performance Communities Leadership Forum:** A quarterly engagement of invited leaders to assess regional progress, highlight inspiring successes, and explore trends, needs and options to advance municipal leadership to increase efficiency and reduce carbon pollution.
2. **High Performance Community Pathways and Resources:** Regional tools and resources with stakeholder engagement, peer exchange, training and technical support to assist communities to set and achieve efficiency and carbon reduction goals with lead-by-example initiatives, high performance and zero energy schools and facilities, building energy rating and performance initiatives, and advanced energy codes.
3. **Building Energy Codes and Benchmarking:** Best practice resources and assistance with peer exchange to assist state and local government to adopt leading model and advanced energy codes, achieve high level of energy code compliance, and advance home and building energy rating and benchmarking policies.
4. **Home Energy Labeling Information Exchange (HELIX):** Third-year of a U.S. DOE funded initiative to automate the availability of home energy scores and ratings for use in residential real estate listings, and to educate real estate professionals and appraisers on the value proposition of home energy information that distinguish energy efficient, clean energy homes.

C. Integrated Advanced Efficiency Solutions

1. **Advanced Integrated Solutions Leadership Forum:** A quarterly engagement of invited public and private sector leaders to highlight regional progress and successes, and explore trends and options to accelerate regional adoption of advanced, integrated, low-carbon residential and commercial efficiency solutions.
2. **Air Source Heat Pumps and Smart Energy Homes:** Regional research, best practices peer exchange, technical guidance and resources, and program initiatives to speed the market introduction and adoption of high-efficiency residential air source heat pumps, water heaters and home energy management products and services that enable deep residential energy savings and carbon reduction while enabling real-time demand response to support efficient, reliable grid operation.
3. **Efficient, Low Carbon Commercial and Industrial Solutions:** Regional research, analysis, technical guidance, pilots and best-practices peer exchange with public and private stakeholders to speed the market introduction and adoption of high efficiency commercial sector HVAC products, services and business models to achieve deep energy savings and carbon reduction while enabling real-time demand response to support efficient, reliable grid operation. Includes a focus on the variable refrigerant flow products, a commercial HVAC market turn-over analysis, and a regional best practice network to advance the use of commercial and industrial strategic energy management.



4. **Federal and State Appliance Efficiency Standards:** Informing, tracking and engaging regional learning, dialogue and providing technical assistance to advance new state and federal appliance efficiency standards that lock in the market gains of efficiency programs and policies for specific products. 2018 efforts focus on new state-level appliance efficiency standards and associated energy savings attribution for efficiency program support, and coordinated regional support for national voluntary programs that establish specifications for and promote market recognition of new high efficiency products.

D. Strategic Electrification

1. **Northeast Strategic Electrification Leadership Forum:** A quarterly engagement of invited leaders to assess regional progress, highlight inspiring successes, and explore trends, needs and options to advance strategic electrification as a strategy to reduce carbon emissions from the use of fossil fuels for comfort heating, transportation and industrial process.
2. **Strategic Electrification Progress Tracking, Case Studies & Communications Strategy:** Tracking of state and local government proceedings, policies and programs to advance strategic electrification with progress reports and resources, and “Bright Spots” case studies of leading examples. Research to better articulate Strategic Electrification to policymakers and consumers, and inform the development of a regional communications strategy regarding strategic electrification’s carbon reduction benefits and opportunity.

NEEP’s Approach:

Engage and Empower Stakeholders: NEEP forges partnerships and brings stakeholders together to develop, advance, accelerate, and integrate next generation energy efficiency solutions with coordinated efforts, regional learning and resource leveraging.

Advance Regional Market Transformation Opportunities: NEEP engages support for, recommends, tracks and reports progress of regional market transformation initiatives that drive innovative next generation energy efficiency opportunities.

Independent Analysis and Technical Expertise: NEEP conducts independent analysis and serves as a technical expert on energy efficiency potential, best practices, impacts, evaluation and integration with other demand side resources.

Advance Knowledge and Best Practices: NEEP develops and distributes regional best practice information resources, and serves as a regional peer exchange network to advance next generation energy efficiency.

NEEP’s 2018 Products and Services

- Events, Stakeholder Engagement, Learning Exchange
- Regional Market Transformation Strategies
- Research, Progress Tracking, Analysis, Reports, Case Studies
- Best Practice Guidelines, Tools, Technical Assistance and Resource Centers