



MISSION

Best practice guidance, peer information exchange, and technical assistance to advance resilient, energy efficient, low-carbon public buildings and communities

The **Pathways for Efficient and Resilient Communities** project seeks to enhance and expand local-level initiatives across the region that lead to increased energy efficiency in our community's building stocks. The project facilitates a regional network to exchange best practices, share success stories, and develop resources that lead to efficient and resilient homes, businesses, and institutions. This collaborative effort supports state and local initiatives that improve the efficiency of public and privately-owned buildings. In partnership with community leaders, associations, state and federal agencies, utilities, industry, non-profits, and other stakeholders, this project is helping to pave the way for the proliferation of healthy, resilient, and zero energy public buildings and schools throughout the region.

Regional Trends and Leaders:

- K-12 public schools in the NEEP region are national and regional leaders in the development of zero energy and high-performance facilities. Over 120 schools in the region have been built to CHPS standards.
- With approximately 68 buildings built, the NEEP region is a leader in number of zero energy or zero energy ready public buildings.
- States (DC, MA, MD, NY, RI) are developing statewide zero energy plans leading with public buildings.
- Small, medium, and rural communities are increasingly pursuing and committing to zero energy buildings, strategic electrification, and 100% renewable energy. These communities are engaged and interested in learning from one another to implement policies, programs, and projects that enable them to achieve their goals

NEEP's 2020 Project Outcomes:

1. 45 Northeast communities develop or advance energy plans and projects that lead to the reduction of energy consumption in public buildings by 20 percent.
2. Five Northeast communities develop innovative strategies such as zoning requirements or strategic electrification plans to reduce carbon emissions 60 percent by 2030.
3. At least one new state utilizes NE-CHPS as a pathway for high performance and/or zero energy schools.

LONG-TERM MARKET TRANSFORMATION GOALS

By 2025:

- All Northeast States adopt mandates to reduce carbon emissions 40% by 2030 and 80% by 2050, and implement statewide plans to reduce building sector carbon emissions.
- 60% of Northeast communities have reduced municipal building energy consumption by 20% or more.

By 2030:

- 60% of Northeast communities have programs to reduce residential and commercial building carbon emissions 50%.
- All Northeast states adopt utility regulatory policies and ratepayer funded demand-side resource programs that support the building sector to be carbon neutral by 2050.

Stakeholder Engagement: NEEP brings together key stakeholders, resources, and analyses in 2020 to assist communities to set and achieve efficiency and carbon reduction goals through:

- Regional High Performance Communities Working Group
- State-specific Schools Working Groups in Massachusetts, New Hampshire, Rhode Island,
- Three webinars and one in-person meeting with topics based on stakeholder interests and needs
- Regional and national presentations and briefings as requested
- One high performance school tour in conjunction with Healthy School Day 2020

Tracking and Analysis: NEEP will track and analyze the progress being made at the regional, state and local level and provide an assessment of regional trends.

- **New!** Web-based dashboard to track state and communities zero energy and carbon policies
- [Tracking of high performance schools by state](#)
- **New!** Brief analyzing benefits of high performance school including health, costs, and post-occupancy performance

Tools and Guidelines: NEEP advances the development of strategies, tools and best practices to move communities forward with their efficiency planning by providing best practice tools and resources developed by NEEP and others (e.g., U.S. DOE, U.S. EPA, Collaborative for High Performance Schools (CHPS), Institute for Market Transformation (IMT), New Buildings Institute (NBI), and others).

- Maintain and update [CAPEE](#) with at least one new module and resources based on stakeholder needs
- Maintain [Online Resource center](#)
- Provide direct technical assistance to communities as requested

Research and Reports: NEEP will maintain, update, and support the use of NEEP's regional reports.

- **New!** Regional Schools Assessment – Policies, Trends, Opportunities, Funding, Technologies, Costs, etc.
- **New!** Develop three exemplars highlighting innovative pathways to decarbonize schools, public buildings, multifamily, or other building type with a focus on small or rural community
- **Update!** [Opportunities for energy efficiency in state funded buildings Report](#) (pathways to electrification, resiliency, and carbon reductions)
- Maintain and disseminate NEEP's [Northeast Collaborative for High Performance Schools Criteria](#) (NE-CHPS V3.2 2019) for school construction and design
- Maintain and disseminate NEEP's [Regional Operations and Maintenance Guide for High Performance Schools and Public Buildings](#)

National/Regional Collaboration: NEEP will contribute to and leverage state and national resources to inform community resources and planning.

- Monitor, communicate, present, and coordinate with national and regional organizations (e.g., Massachusetts Facilities Administrators Association (MFAA), State Specific ZE Working Groups, NH Local Energy Solutions, Metropolitan Area Planning Council (MAPC), Delaware Valley Regional Planning Commission (DVRPC), 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 such as SEE Action Network and DOE's Zero Energy Schools Accelerator
- Participate as members of the CHPS Board of Directors

Project Staff



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