



2021 PROGRAM PORTFOLIO

VISION: We envision the region's homes, buildings, and communities transformed into efficient, affordable, low-carbon, resilient places to live, work, and play.

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 at least three percent per year and carbon emission at least 40 percent by 2030 (relative to 2001).

Most Northeast and Mid-Atlantic states¹ have aggressive long-term carbon emission reduction mandates or goals aligned with the Intergovernmental Panel on Climate Change (IPCC) recommended 45 percent greenhouse gas emission reductions below 2010 levels by 2030 and net zero by 2050. Meeting these steep targets, including for the building sector which contributes 33% to regional annual carbon emissions, will take more than business as usual. We need accelerated progress on existing efforts, creative thinking, and regional cooperation to catalyze regional-scale impacts that dramatically reduce carbon emissions.

The Northeast and Mid-Atlantic region is well positioned to take on this challenge through regional collaboration. Impactful multi-state efforts are already in place to reduce power plant and transportation carbon emissions². NEEP provides this for the building sector by engaging state and local government, business, efficiency program and clean energy and consumer advocacy leaders across the region to advance scalable, deep energy efficiency solutions that also improve the health, safety, comfort and affordability of homes and buildings while reducing energy burdens and creating valuable, skilled local jobs.

Celebrating 25 years of regional partnerships in 2021, NEEP's Program Portfolio offers eight initiatives to engage regional leaders to collaborate to transform our homes and buildings to be climate-resilient, efficient, and low-carbon through innovative public policy, technology, market and consumer engagement solutions.



EQUITABLE LOW CARBON HOME AND BUILDING LEADERSHIP NETWORK: Learning and best practice sharing among thought leaders on policy, programs, and market-based solutions to drive progress towards energy-efficient, resilient, and affordable low-carbon homes, buildings and industry across the region including marginalized low and moderate income communities of color.



EFFICIENT, RESILIENT HOME, BUILDING, and COMMUNITY SOLUTIONS: Strategies and initiatives to rapidly scale-up broad public adoption of climate-resilient, low carbon solutions focused on high impact, integrated building sector policies, technologies, and best practices supported by consumer education and engagement, and workforce and economic development. This includes community-led initiatives with leading-edge tools and resources that enable state and local government collaboration with energy efficiency programs and other private sector initiatives.

¹ NEEP serves thirteen Northeast states and jurisdictions including ME, NH, VT, MA, RI, CT, NY, NJ, PA, DE, MD, DC and WV.

² See the Regional Greenhouse Gas Initiative (RGGI) and Northeast States for Coordinated Air Use Management (NESCAUM)'s Clean Fuel Standard, ZEV Multi-State Task Force, and the Northeast Diesel Collaborative.



Equitable Home and Building Decarbonization Leadership Network

1. **NEEP 2021 Summit Series: Resilient, Low-Carbon Community Pathways:** Celebrates NEEP's 25th Anniversary with a stakeholder advised public multi-media year-long program of opportunities and resources. Features guest speakers and exemplars to inspire, inform, drive, and support community leadership and collaboration across the region to accelerate resilient, healthy, affordable, low-carbon homes and buildings that serve especially the most vulnerable.
2. **Public Policy Leadership and Best Practices:** Highlights and tracks best practice state and local public policies for building decarbonization, electrification, and flexibility to support grid reliability. Addresses leading metrics, data, information and the latest approaches to forecast, assess, evaluate, measure and verify the impact and value of such policies and programs policies. Provides best practice resources with outreach, education and technical assistance for state and local government.



Efficient, Resilient Home, Building, and Community Solutions

1. **Efficient, Resilient Community Pathways and Resources:** Best practice guidance, peer information exchange, and technical assistance to support the rapid growth of community initiatives in Northeast and Mid-Atlantic states to advance resilient, energy efficient, low-carbon public buildings and communities.
2. **Building Energy Codes and Appliance Standards:** Assists states and communities to reduce energy, costs, and emissions, improve resiliency, and strengthen workforce development through best practices in building energy code adoption, enforcement, compliance, and minimum appliance efficiency standards.
3. **Low-Carbon Retrofit Solutions:** Advances resilient, low-carbon retrofit solutions to improve the energy efficiency of the largest building sector contributor to carbon emissions –existing homes and buildings. Includes leading-edge policies and programs for home and building energy rating, benchmarking, labeling and disclosure coupled with streamlined business models and tools for “standardized” low/zero carbon energy retrofits at scale in collaboration with government and ratepayer-funded programs.
4. **Heating Electrification Market Transformation:** Accelerating market adoption of high-efficiency residential and commercial heat pumps for space heating and cooling through public-private sector collaboration. Expanded to provide additional regional high performance product specifications and products lists, best practice guidance for consumer education, quality heat pump installation, smart controls and workforce development, coordinated technology and market research, and a new commercial building opportunity assessment for a broad range of high performance heat pump options for cold climates.
5. **Smart Energy Homes and Buildings:** Research, best practices peer exchange, and technical guidance and resources to harness the power of smart energy homes and buildings to enable an affordable, reliable, resilient, integrated and low carbon energy system and power grid.
6. **Strategic Energy Management:** Regional research, analysis, technical guidance, pilots, and best practices peer exchange to accelerate adoption of high efficiency technologies, practices, and business models that provide integrated commercial and industrial sector solutions that increase efficiency and productivity, reduce costs and carbon emissions, and respond to grid needs.

NEEP's Approach

Engage and Empower Stakeholders: NEEP forges partnerships and brings stakeholders together to learn about, develop, advance, accelerate, and integrate advanced energy efficiency and low carbon building-sector solutions with coordinated efforts, learning exchange, and resource leveraging.

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

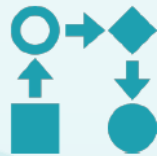
Independent Analysis and Technical Expertise: NEEP conducts independent analysis and serves as a technical expert on building energy efficiency and low-carbon opportunities, policies, programs, technologies, best practices and resources including integration with other demand side resources.

Advance Knowledge and Best Practices: NEEP develops and distributes regional best practice guidance, tools, information and educational resources, and facilitates regional peer exchange for leading edge building efficiency and low carbon solutions.

NEEP's 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