



# NEEP 2013 QUARTERLY REPORT

## FIRST QUARTER

### EXECUTIVE SUMMARY

NEEP is pleased to share this report, which presents achievements for the first quarter of 2013 toward the goals in our annual [Business Plan](#).

With the support of our sponsors, partners, and funders from across the region and nation, NEEP has already made great progress toward our 2013 mission and goal, guided again by our four key strategies to accelerate energy efficiency. Some highlights of our work this quarter include:

#### Increase Visibility of Energy Efficiency

- Planning for the [2013 Northeast Energy Efficiency Summit](#), scheduled for June 18-19 in Springfield, MA, gained considerable momentum.
- NEEP announced the [2013 Business Leaders](#) from MA, CT, NH, VT, NY, and DC.
- The Businesses for a Clean Economy Communication initiative recruited new business messengers and established new partnerships with business associations to support efficiency policies.
- Six states and the District of Columbia joined as [2013 NEEP Sponsors](#).
- [NEEP's Partners Program](#) is the most successful yet, with 14 participants, including five new to the program.
- We saw increased activity and engagement on our blog, [www.EnergyEfficiencyMatters.org](http://www.EnergyEfficiencyMatters.org).

#### Reduce Energy Usage In Buildings

- NEEP informed [building energy codes strategies](#) across the region to advance building energy code development, adoption, and compliance efforts.
- NEEP supported development of the Massachusetts commercial buildings stretch energy code.
- We provided guidance on state-specific amendments to code proposals across the region.
- NEEP released a companion report to our 2009 Building Energy Rating Roadmap - [Building Energy Rating and Disclosure Policies: Update and Lessons from the Field](#).
- We were invited by the US DOE to co-chair a subcommittee of the [State Energy Efficiency \(SEE\) Action Existing Commercial Buildings Working Group](#) to assist state and local governments.
- NEEP convened the [Regional Multifamily Leadership Group](#) to review the current market characterization for multifamily programs, and plan for the [Multifamily Workshop](#) in conjunction the NEEP Summit.

### NEEP MISSION

Accelerate energy efficiency in homes, buildings & industry in the Northeast - Mid-Atlantic region.

### 2013 GOAL

Keep the region a national efficiency leader by advancing innovation and best practices, and leading-edge policies, programs and strategies that deepen, broaden and accelerate energy efficiency on a regional scale.



## Speed the Adoption of High Efficiency Products

- NEEP published the [Northeast Residential Lighting Strategy 2013 Update](#) and began dissemination of the report's recommendations.
- The [DesignLights Consortium® Solid State Lighting Qualified Products List](#) grew by 2,500 products, breaking the 20,000 product mark.
- The DLC finalized its 2013 annual specification revision process, which was split into two phases: non-efficacy metrics (phase I); and efficacy metrics (phase II).
- The DLC published the new [Technical Requirements Table v2.0](#).
- NEEP began dissemination of the [Northeast and Mid-Atlantic Heat Pump Water Heater \(HPWH\) Market Strategies Report](#), focused on strategies to overcome barriers to market adoption.
- We kicked off development of the [Business and Consumer Electronics Strategy Report](#) to keep the region a leader by reducing the average per household/building energy use from business and consumer electronics.
- NEEP engaged with the US DOE on a [federal rulemaking for residential boilers](#), which present a significant opportunity for regional energy savings.





## Advance Knowledge and Best Practices

- NEEP's EM&V Forum Launched the [Regional Energy Efficiency Database \(REED\)](#), with the following first-quarter analytics:
  - Over 1,700 visitors in the first two months;
  - Massachusetts hosted the highest number of unique viewers; and
  - The top ten states accessing REED included six Forum states along with CA, IL, PA, and VA.
- NEEP's [Public Policy Analysis & Outreach](#) team focused on legislative opportunities to advance efficiency, including efforts to:
  - Fund programs for delivered fuels such as oil and propane in VT, MA, and CT;
  - Set an "efficiency first" loading order in New Hampshire; and
  - Implement some of the major recommendations in CT's Comprehensive Energy Strategy.
- NEEP co-hosted the [US DOE Northeast/Mid-Atlantic Regional Dialogue on Industrial Energy Efficiency and CHP](#) in Baltimore on March 12.

We hope you enjoy reading about these achievements and many more in the following report. Thank you for your engagement and support—we look forward to many more successes and our continued partnership throughout the year.



## NEEP 2013 STRATEGIES AND PROJECTS

| STRATEGIES  | OUTCOMES   | PROJECTS  |
|---|--|---|
| <p><b>VISIBILITY</b></p>   | <ul style="list-style-type: none"> <li>➤ Increased media &amp; public understanding - “Northeast as national efficiency leader”</li> <li>➤ Visible business leadership for energy efficiency</li> <li>➤ NEEP as regional hub connecting media to efficiency leadership across the region</li> </ul>  | <ol style="list-style-type: none"> <li>1. Northeast Energy Efficiency Summit</li> <li>2. Northeast Business Leaders for Energy Efficiency</li> <li>3. NEEP Sponsorship &amp; Partners Program</li> <li>4. NEEP Strategic Marketing &amp; Communications</li> </ol>                            |
| <p><b>BUILDINGS</b></p>    | <ul style="list-style-type: none"> <li>➤ Region leads the nation in adoption of, and compliance with, progressive building energy codes</li> <li>➤ Markets value high efficiency homes, bldgs</li> <li>➤ States, municipalities commit to building, maintaining high performance schools and public buildings</li> <li>➤ Model programs and resources address market barriers to energy efficiency retrofits in multifamily residential buildings</li> </ul> | <ol style="list-style-type: none"> <li>1. Building Energy Codes</li> <li>2. Building Energy Rating</li> <li>3. High Performance Public Schools &amp; Buildings</li> <li>4. Comprehensive Multifamily Retrofit</li> </ol>  |
| <p><b>PRODUCTS</b></p>   | <ul style="list-style-type: none"> <li>➤ Northeast leads in high efficiency products</li> <li>➤ Higher baselines lock in market gains</li> <li>➤ Regulatory policy support - new technologies</li> </ul>   | <ol style="list-style-type: none"> <li>1. High Efficiency Residential Lighting</li> <li>2. DesignLights® SSL Qualified Products List</li> <li>3. High Efficiency Emerging Technologies</li> <li>4. High Efficiency Consumer Electronics</li> <li>5. Appliance Efficiency Standards</li> </ol> |
| <p><b>KNOWLEDGE</b></p>  | <ul style="list-style-type: none"> <li>➤ States and local government commit to efficiency - top energy priority</li> <li>➤ States use consistent protocols to evaluate, measure and report efficiency impacts</li> </ul>   | <ol style="list-style-type: none"> <li>1. Public Policy Outreach and Analysis</li> <li>2. Regional Evaluation, Measurement &amp; Verification Forum</li> </ol>  |



## INCREASE VISIBILITY OF ENERGY EFFICIENCY

*Position and define efficiency as a critical and tangible energy resource with significant and immediate impact on the economy, the region, and the planet.*

All NEEP staff contributes to our *Visibility* strategies, but the projects and objectives listed within this strategy relate specifically to our annual Summit, and the organizational marketing, communications, and development efforts of the Strategic Marketing & Communications Team. This work supports the strategies outlined in NEEP's 2013 Business Plan and maximizes NEEP's capacities for gaining visibility for efficiency and for promoting the Northeast and Mid-Atlantic region as a national leader in energy efficiency.

### Northeast Energy Efficiency Summit

Planning for the [2013 Northeast Energy Efficiency Summit](#), scheduled for June 18-19 in Springfield, MA, gained considerable momentum in the first quarter. The 2013 focus on *Accelerating Innovation in Efficiency* will address the need for the Northeast region to take new and innovative approaches to overcoming the barriers that stand in the way of moving toward larger and more aggressive savings goals. Between unexpected partnerships, groundbreaking technology, and innovative policies and programs there is ample opportunity to push the region toward greater savings, and the Summit's exhibits, workshops, and speakers will highlight *how* to keep the region moving toward those goals. The Summit will kick off with two workshops on June 18—[Challenges and Opportunities in the Multi-Family Market](#) and [Consumer Electronics - A Strategy for the Northeast](#)—followed by a tour of Springfield, highlighting the city's rebuilding efforts after the 2010 tornado, and then the Business Leaders Opening Summit Reception to highlight the achievements of the [2013 Business Leaders for Energy Efficiency](#). The main Summit will feature three keynote speakers and two panel discussions—*Public-Private Partnerships to Accelerate Innovation in Efficiency* and *Moving Up the Curve - Engaging Markets for Innovation*.

Other noteworthy achievements in the first quarter of 2013 include:

- National Grid joined Northeast Utilities as a [Platinum Sponsor](#) of the 2013 Summit. As of March 31, 50 percent of the event sponsorship goal had been reached. We are very grateful for this support, which makes it possible to plan a robust and exciting program for the event.
- The Summit's annual [Student Scholarships](#) program launched. This program offers a complimentary event pass and provides a mentor for the day for students in college, graduate school, and job training programs to give them an opportunity to learn more about the field.

### Northeast Business Leaders for Energy Efficiency

By the end of the first quarter, we received all of the nominations for the [2013 Business Leaders Recognition Program](#). Nominated by [NEEP Sponsors](#), these companies are honored for their commitment to sustainable innovation and for their contribution to keeping the region a national leader in accelerating energy efficiency. Once again, the program is shaping up to be a hit, featuring a collection of remarkable examples of businesses taking on the challenge of curbing costs and supporting environmental goals through investment in energy efficiency.

NEEP's participation in the Businesses for a Clean Economy initiative, an extension of the annual recognition program, also achieved many noteworthy milestones. In partnership with Cater Communications and the New England Clean Energy Council, NEEP contributed to the development of the [www.Mabizforcleanenergy.com](http://www.Mabizforcleanenergy.com) website, which highlights business case studies and outlines critical issues for business leaders related to energy efficiency and clean energy policies in order to educate the general business community and establish a business voice for efficiency. In addition, we utilized our social media networks to build awareness of the campaign and highlight business leaders.



NEEP successfully recruited new business leaders eager to support efficiency and clean energy by sharing their stories. With our partners, we established capacities to identify, recruit, and categorize business leaders according to their stated ability to commit, and perfected a process of recruitment and engagement through interviews and education throughout our information sharing.

Other noteworthy achievements in the first quarter of 2013 include:

- We developed a partnership with Chambers for Innovation to engage with the Massachusetts Chambers of Commerce to support clean energy initiatives, most notably in the first quarter related to oil-heat efficiency policy initiatives. We also engaged with other organizations—including the Green Ribbons Commission, and Healthcare Without Harm—to identify ways to align and leverage our efforts.
- Showing their continued support for efficiency, two of our 2012 Business Leaders—UMASS Medical Center and Sikorsky Aircraft spoke at a [Regional Dialogue Meeting](#) co-hosted by the DOE and NEEP supporting industrial energy efficiency and combined heat and power.

### NEEP Sponsorship & Partners Program

NEEP successfully secured [20 Sponsors](#) in the first quarter—representing utilities and efficiency program administrators from across the region committed to our common mission to accelerate energy efficiency in the Northeast and Mid-Atlantic. Our Sponsors' support is critical to the success of our projects, and their commitment to energy efficiency as a critical environmental and economic solution will help achieve our common goal to keep the region a national leader in energy efficiency. We are on track to renew sponsorship from all of our 2012 Sponsors, and are excited to welcome [Liberty Utilities](#) as a new NEEP Sponsor.

The 2013 Partners Program is also off to a great start, with [15 Partners](#) confirmed, and others expected to join. NEEP Partners represent efficiency leadership from around the globe committed to accelerating energy efficiency. We are on track to again break our record for number of participating organizations in the program, and are pleased to welcome several new Partners, noted below.

Other noteworthy achievements in the first quarter of 2013 include:

- Six of the region's states—Connecticut, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont, along with the District of Columbia—have joined as [2013 NEEP Sponsors](#).
- Sponsor participation in NEEP projects kicked off in the first quarter. Their engagement and leadership will help develop strategies to meet regional goals for energy efficiency, as well as support NEEP's strategies for Buildings, Products, and Knowledge & Best Practices outlined in our 2013 Business Plan.
- We welcomed six new organizations—[Cooper Lighting](#), [Resource Action Programs](#), [Phoenix Controls](#), [Nexant](#), [TerraLUX](#), and [E Source](#)—to [NEEP's 2013 Partners Program](#).
- NEEP Sponsors and Partners were invited to contribute to NEEP's blog. Guest posts will be posted regularly, to highlight these organizations' leadership in energy efficiency.

### NEEP Strategic Marketing & Communications

The Strategic Marketing and Communications (SMC) team kicked off 2013 by welcoming John Otterbein to the team as our new Marketing Communications Associate, as well as introducing NEEP's Brand Management Strategy. The SMC team is working with staff across the organization to roll out the strategy, provide training, and gather feedback on the strategy for regular updates. In addition, with new staff on the team we were able to significantly increase our contributions to NEEP's blog, [EnergyEfficiencyMatters.org](#), as well our presence on our other social media channels—[Twitter](#),



[Facebook](#), and [LinkedIn](#). In addition to the focus on brand management and our online presence, the SMC team worked with staff to secure speaking engagements and submit abstracts for a wide array of industry events scheduled for 2013.

Other noteworthy achievements in the first quarter of 2013 include:

- NEEP staff were featured speakers at ACEEE’s annual Market Transformation Symposium, including presentations by:
  - [NEEP’s Regional Roundup](#) - Sue Coakley, NEEP Executive Director
  - [Innovative Policies and Programs for Multifamily Housing](#) - Ed Londergan, NEEP Special Projects Manager
- Press Releases issued in the first quarter include:
  - [EPA Recognizes Northeast Energy Efficiency Initiative with 2013 Energy Star® Sustained Excellence Award](#)
  - [Leveraging Building Energy Codes to Maximize Energy Savings](#)
  - [John Puc Joins Northeast Energy Efficiency Partnerships](#)
  - [Northeast / Mid-Atlantic Industrial Energy Efficiency and CHP Regional Dialogue Meeting](#)
- NEEP published 24 blog posts to, [EnergyEfficiencyMatters.org](#). The most read posts were:
  - [Welcome Words, Obama Makes the Case for Energy Action](#) - Jim O’Reilly, NEEP Public Policy Director
  - [60 Seconds on Why Building Energy Reporting is Good for Boston](#) - Carolyn Sarno, NEEP Senior Program Manager, High Performance Buildings
  - [New Kids on the Block, Younger Workforce entering Energy Efficiency](#) - John Otterbein, NEEP Marketing Communications Associate

#### NEEP “Visibility” Project Staff

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## REDUCE BUILDING ENERGY USE

*Make possible a future in which all homes and buildings are zero net energy, through incremental yet aggressive improvements to building energy policies and programs.*

NEEP's *Buildings* strategies support the reduction of wasteful energy use in commercial, residential, and multifamily properties through support for public policies, incentive programs, advanced building energy codes and rating, and expansion of high performance schools and public buildings. The built environment is one of the largest users of energy, and improving home and building energy efficiency provides benefits to the economy, environment, and society.

### Building Energy Codes

In several instances throughout the region, NEEP fulfilled one of its key deliverables by supporting states where resources may be lacking or strategic advice needed to advance building energy code development, adoption, and compliance efforts. Whether in the area of development—via our work to prepare the Massachusetts commercial buildings stretch energy code; or adoption—in providing state-specific amendments to code proposals; or compliance—in supporting states such as Delaware by providing code books, or Rhode Island, in advising their code training and outreach process, NEEP assisted states in realizing significant energy savings from the development and application of building energy codes. Taken as a whole, this work continues to position the Northeast and Mid-Atlantic as energy efficiency leaders, and helps states fulfill key deliverables of their own, such as their commitments to code compliance made upon receipt of federal American Recovery and Reinvestment Act (ARRA) funding.

Other noteworthy achievements in the first quarter of 2013 include:

- On March 22, the year's first Regional Building Energy Codes Working Group webinar convened, with over 30 participants. Nine of the states in NEEP's region were represented, joined by code advocates from national organizations such as the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), the National Association of State Energy Officials (NASEO), and the Institute of Market Transformation (IMT), as well as supporting utilities and other energy efficiency program administrators including Efficiency Vermont, National Grid, NSTAR, and United Illuminating.

NEEP provided a look ahead at the numerous state energy code adoptions anticipated throughout the Northeast and Mid-Atlantic region in 2013, as well as an overview of the assistance available to support states in these efforts. The group heard presentations from Maureen Guttman of the Building Codes Assistance Project (BCAP) and Dave Conover of U.S. DOE's Pacific Northwest National Laboratory (PNNL)—covering code adoption and compliance tools and other resources available to states throughout the nation. Two other regional energy efficiency organizations (REEOs) presented mechanisms for enhancing code compliance. Roxanne Greeson from the Southeast Energy Efficiency Alliance (SEEA) presented on how to successfully meet the 2009 and 2012 Duct Envelope Tightness (DET) testing requirements by establishing a third-party certification program, and Isaac Elnecave from the Midwest Energy Efficiency Alliance (MEEA) shared DET program implementation lessons learned from efforts in Illinois. Capping it off, Jim Edelson from New Buildings Institute (NBI) and Ken Baker of K Energy informed the group on the hundreds of energy code change proposals that will be heard later this year and how states can be prepared for the International Code Council Final Action Hearing in October.

- NEEP's Codes team has long supported the important role of utility energy efficiency program administrators in supporting successful code adoption. In February, we were pleased to be a



part of the release of a new report [Attributing Building Energy Code Savings to Energy Efficiency Programs](#). We worked closely with NEEP's Regional Evaluation, Measurement and Verification (EM&V) Forum, advising the project contractor, and collaborating with the Institute for Market Transformation (IMT) and the Institute for Electric Efficiency (IEE). The result of these collaborative efforts is the final report, which details state-level estimates of savings potential from involvement of efficiency program administrators in codes and standards, and provides guidance and recommendations on attributing savings to such program involvement.

- In February, NEEP submitted written testimony against [HB 5749](#), which attempted to extend the code adoption cycle from current legislation to six years in Connecticut. Additionally, NEEP [blogged](#) about the negative effects of the bill, and rounded up stakeholder support and more opposing testimony from the Sierra Club, BCAP, and the Energy Efficient Codes Coalition (EECC).
- NEEP continued to work closely with our partners on the Mid-Atlantic Code Coalition, and organized a teleconference in March to coordinate code support efforts in New York, New Jersey, Pennsylvania, and Delaware. NEEP facilitated a discussion on strategies to educate legislators, code officials, builders, and consumers on the benefits of energy codes.
- NEEP, as project lead contractor to the Massachusetts Department of Energy Resources (DOER), continued its work to support the office's efforts to present an update to the state's 'Stretch' Energy Code for commercial buildings. NEEP delivered the updated code to DOER in the spring of 2012, but delays have prevented the state's Board of Building Regulations and Standards (BBRS) from holding adoption proceedings. We now anticipate a fall 2013 hearing, and are working with the Massachusetts Climate Action Network (MCAN) to build a library of supporting materials to help make the case for the stretch code adoption. A draft presentation and fact sheet detailing the benefits of stretch energy codes were developed jointly in March, and efforts are ongoing to solicit feedback from cities and towns to improve these resources.
- NEEP's Codes team continued to actively engage with the National Energy Codes Collaborative, a joint partnership of the US DOE, PNNL, BCAP, NASEO, and the other REEOs. The Collaborative has a common goal of promoting state code adoption and enforcement policies set by the DOE, and convened on a monthly basis throughout the reporting period to discuss energy code issues, best practices, and opportunities to streamline efforts.
- NEEP actively assisted several states to further their code adoption goals. We provided technical assistance to the Delaware Energy Office during its March Building Energy Code Collaborative meeting to advise and recommend strategies and policies for an automatic code adoption provision, as well as how to address economic concerns presented by the homebuilders industry lobby. And in February, NEEP met with the New Jersey Code and Standards Division to provide an overview of resources available to the state for code adoption and compliance. Together we strategized on how to make the 2012 energy code adoption a top priority for the administration of Gov. Chris Christie this year.
- NEEP submitted several code change proposals to states pursuing 2012 IECC adoption. Seven code changes, regarding fenestration, glazing, and air barrier and insulation requirements were proposed to codes staff in the District of Columbia. Additionally, NEEP met regularly with NYSERDA and New York code staff to discuss fenestration amendments to the 2012 commercial energy code. New York is on track to adopt the 2012 commercial code in July 2013.
- Throughout the quarter NEEP participated in local advocacy efforts, led by the National Resources Council of Maine (NRCM) to reinstate the Maine Uniform Building and Energy Code (MUBEC). NEEP promoted the resources developed last year for grassroots code adoption efforts within the [MUBEC Community Action Toolkit](#), and also submitted testimony in support of [LD 977](#) that would restore uniformity to the code.





- In January, NEEP's Policy Director, Jim O'Reilly organized a call with the National Governors Association (NGA) staff to discuss how NEEP can help governors understand the importance of energy codes and provide resources and solutions to better utilize codes to meet state energy and environmental goals.
- NEEP's Codes team procured and delivered 2012 IECC code books to the Delaware State Energy Office, per their request. NEEP also alerted state and local officials of the April 1 deadline to register or renew their ICC membership in order to participate as a voting member at the 2013 ICC Final Action Hearing.
- NEEP's strong partnership with National Grid and the Rhode Island State Building Code Commissioner's Office continued to advance building energy code policies in the state. NEEP provided feedback to National Grid during a Request for Proposals (RFP) process to select a contractor to oversee the RI Code Compliance Enhancement Initiative, aimed at improving the building energy code compliance rate of residential and commercial buildings throughout the state. Rhode Island will be one of the first states in the country to allow its utility program administrator to claim savings for this important code compliance work. Additionally, NEEP and National Grid are assisting the state with trainings in support of the 2012 code adoption. RI continues to stay on track for adoption of the 2012 IECC this summer, as well as a voluntary stretch code similar to the Massachusetts Stretch Code in the fall.

## Building Energy Rating

In 2009, NEEP released the report [Valuing Building Energy Efficiency through Disclosure and Upgrade Policies: A Roadmap for the Northeast U.S.](#), which provides guidance for implementing two key tools as part of a building energy rating system. Three years later NEEP produced a companion report, [Building Energy Rating and Disclosure Policies: Update and Lessons from the Field](#), to document recent experiences, both failed and successfully enacted, in order to better understand the opportunities of building energy rating and disclosure (BER&D). The report summarizes recent attempts and implemented building energy rating policies across the U.S., and provides guidance to those who want to promote BER&D policies at the state or local level.

In March, NEEP developed a dissemination plan to promote and share the resource throughout the region. A combination of social media coverage with in-person and online trainings assisted in sharing these valuable lessons. Additionally, a [one-page supplement fact sheet](#) was created and incorporated into talking points distributed to advocates involved in promoting Boston's building energy disclosure ordinance. (See below for more detail on NEEP's work on Boston's building reporting and disclosure ordinance.)

Other noteworthy achievements in the first quarter of 2013 include:

- On January 29, NEEP and the Massachusetts DOER hosted a webinar covering preliminary results of the [Massachusetts Raising the BAR \(Building Asset Rating\) Pilot](#). The webinar reported on the preliminary findings of Phase 1 as well as plans for Phase 2, which seeks to refine and expand the pilot within the Greater Boston region. Lessons learned in Phase 1, in addition to opportunities for improvement, were also discussed. High-level findings from Phase 1 were reported on in more detail in our [Highlights](#) newsletter. NEEP and DOER prepped for Phase 2 throughout the quarter, and the official launch is scheduled for the second quarter.
- In preparation for the March 28 public hearing on Boston's building energy disclosure ordinance, NEEP convened a large group of advocates of local businesses, property owners, and regional and national environmental organizations. NEEP developed and disseminated talking points and helped the group strategize on a multi-pronged approach to garner widespread support for the ordinance. NEEP provided guidance to the group on a social and traditional



media strategy, as well as [blogged](#) and [testified](#) in person in support of the disclosure ordinance.

- NEEP participated at the Boston Society of Architects' Committee for the Advancement of Sustainability (CAS) meeting in March to share its talking points in support of Boston's building energy disclosure ordinance, and ensure that CAS members were prepared to speak favorably on the ordinance at the scheduled hearing.
- NEEP and DOER submitted joint comments in response to the US DOE [Request for Information](#) (RFI) regarding key issues associated with the national commercial building energy asset score program DOE developed and continues to pilot. Lessons learned from Phase 1 of the DOER/NEEP Massachusetts Building Asset Rating (BAR) pilot were of particular value in this response.
- In February, NEEP attended and participated in New York University's [Schack Institute Sustainable Real Estate Conference](#). The conference challenged attendees to better understand, measure, and improve the sustainability and efficiency of real estate markets. NEEP shared its educational resource for real estate professionals—the Checklist of Home Energy Efficiency Attributes—to attendees during networking sessions.
- NEEP submitted this Checklist for real estate professionals for peer review during a real estate workshop in Enfield, NH on "Energy Issues in Existing Homes."

### High Performance Public Schools & Buildings

At the request of the DOE, NEEP's Carolyn Sarno co-chaired a subcommittee of the [State Energy Efficiency \(SEE\) Action Existing Commercial Buildings Working Group](#). The subcommittee comprised of national thought leaders in the field of energy efficiency has been asked to create a policy framework that will assist state and local governments in developing targeted energy outcomes for commercial building efficiency.

The group met several times throughout the quarter to discuss the convergence of and desired outcomes for existing building energy efficiency including policies on benchmarking, auditing, building operator training, occupant engagement and capital upgrades. These policies form the building blocks of what could be a coherent approach for building energy efficiency. This group will continue to meet over the course of the year with a goal of publishing a framework this fall as something that local governments could work toward.

Other noteworthy achievements in the first quarter of 2013 include:

- NEEP continued to work closely with the National Collaborative for High Performance Schools (CHPS) to strengthen the administration of the CHPS protocol throughout the region and aid in the development of a national green schools movement. In the first quarter, NEEP:
  - Participated in the National CHPS two-day Strategic Planning session in Oakland, CA.
  - Facilitated a teleconference between CHPS and Efficiency Vermont on the [CHPS Operations Report Card](#) as a way to reduce energy consumption in Vermont schools.
  - Held several discussions with CHPS staff on the development of the National CHPS Core Criteria and how it will be used to update Northeast CHPS (NE-CHPS) protocol later in the year.
- At the request of the US Department of Energy (DOE), staff reviewed DOE's new "Guide to Financing Energy Upgrades for K-12 School Districts." NEEP provided additional resources and best practices to include in the document.
- NEEP continued to update its [NE-CHPS Operations and Maintenance Guide](#), which currently focuses on guidance for school buildings, to include strategies for all public buildings. This



revised guide is currently out for peer review with select stakeholders and will be available in June.

- At the invitation of the Northeast Sustainable Energy Association (NESEA), NEEP's Carolyn Sarno chaired a session at their [annual conference](#) on North Shore Community College Health Professions and Student Services Building. The building is one of three demonstration projects from Massachusetts Governor Deval Patrick's Zero Net Energy Task Force, for which Carolyn Sarno served as chair of the public buildings working group. In this role, she presented on NEEP's [Zero Net Energy Roadmap](#) alongside Peter Fourtounis, the architect for the project, and Eric Friedman of the Massachusetts DOER.
- For the fifth year, NEEP has been asked to serve on the planning committee for the annual Rhode Island Sustainable Schools Summit, which is scheduled for November 1-2, 2013. This year's Summit has been expanded to include stakeholders and best practices from schools throughout New England. NEEP has advised the committee on additional stakeholders to include on refining workshop sessions with a focus on energy efficiency.
- NEEP was invited to participate in a national leadership group focusing on Zero Net Energy (ZNE). The group is being led by NASEO and NBI. NEEP disseminated to the group its ZNE roadmap report and will work throughout the year to establish best practices on ZNE buildings and share the information with our regional leadership groups.
- NEEP was invited to guest lecture to architecture and engineering students at the Rhode Island School of Design (RISD) and Brown University on high performance schools. Some 15 students in the master's degree program were taught the benefits of constructing, operating, and maintaining energy efficient and environmentally sustainable schools, highlighting strategies from the [NE-CHPS Protocol](#).
- NEEP regularly participated in committee meetings dedicated to high performance building best practices in state and federal government, including:
  - Serving as a member and regular contributor to the Boston Society of Architects' Committee for the Advancement of Sustainability; and
  - Serving on the national SEE (State Energy Efficiency) Action Committee Existing Buildings Commercial Buildings Working Group.

### **Comprehensive Multifamily Retrofit**

On February 27, NEEP convened the Regional Multifamily Leadership Group annual in-person meeting at the New England Regional Office of the US Environmental Protection Agency (EPA) in Boston. There were 64 attendees from a broad range of stakeholder organizations, including representatives from Northeast and Mid-Atlantic local and state government housing, finance, and energy agencies; the EPA; energy efficiency program administrators; financing experts; non-profit clean energy advocates; and academia. The day-long program featured an overview of the Northeast and Mid-Atlantic market characterization for multifamily energy efficiency programs; provided opportunities to share best practices; tied up the annual [NEEP Summit Multifamily workshop](#) planned for June to solicit feedback on potential topics; and addressed specific public policy instruments to address the multifamily market, including building energy rating and disclosure as a means of overcoming market barriers. Highlights of the meeting included:

- A presentation by NEEP's contracted consultants, HR&A Advisors of New York, on the barriers to investment in multifamily energy efficiency retrofits, and opportunities and next steps recommended as part of NEEP's regional project.
- A review by Efficiency Maine Trust of the design, operation, and success of Efficiency Maine's multifamily program.



- An examination by NYSERDA of the first year post-retrofit building performance results of the NYSERDA Multifamily Performance Portfolio.
- A tour of the historic green renovation EPA's New England Headquarters, a 1933 Art Deco building.

Presentations and meeting notes are available on [NEEP's website](#), and a recap of the action-packed day can be found on our [blog](#).

Other noteworthy achievements in the first quarter of 2013 include:

- To elevate the issue of multifamily efficiency, NEEP proposed and moderated a working session on Innovative Policies and Programs in Multifamily Housing at the 2013 ACEEE Market Transformation Symposium in April. As moderator, Ed Londergan, NEEP's Multifamily Project Manager, presented an overview of the national market characteristics, market barriers, and market outlook for multifamily energy efficiency retrofit opportunities. Other presentations focused on industry best practices, including a one-stop energy efficiency retrofit program and an on-bill repayment pilot program for low income multifamily rental housing. This working session embodied the potential the US multifamily market holds for massive energy savings, job creation, and more efficient, interconnected relationships between tenants and landlords.
- NEEP engaged its Conference Planning Committee to help prepare for a full day multifamily workshop, [Challenges and Opportunities in the Multifamily Market in the Northeast and Mid-Atlantic Regions](#), to be held in conjunction with the annual NEEP Summit in June. The Committee includes representatives from local and state housing and finance agencies, the finance sector, practitioners, and efficiency program administrators. The workshop will inform the continuing regional efforts to increase comprehensive multifamily retrofits by providing actionable information to increase the visibility of, and build momentum for, the multifamily market to achieve deep energy savings.
- NEEP presented at the Efficiency Maine Trust multifamily quarterly progress update meeting in Augusta, ME in February. The presentation showcased NEEP's efforts to increase the visibility and momentum of multifamily retrofit programs and policies in the region. Other meeting participants, which included representatives of organizations involved in the Efficiency Maine effort, were informed of NEEP's continuing work in research and analysis of market characterization, market barriers and policy tools, the development of the [Comprehensive Multifamily Retrofit Resource Center](#), the Leadership Group annual in-person meeting and ongoing webinars, the upcoming NEEP Summit Multifamily workshop, and efforts tracking relevant regional, national, and federal program and policy developments.
- NEEP retained HR&A Advisors, a consulting firm with significant experience in the multifamily market sector, to provide research and analysis on key policy, financial, and environmental market barriers, and best practice solutions to expanding multifamily retrofit opportunities. They will develop three white papers, the first of which was received in February. The report included market data analysis and market characterization for each state in the Northeast and Mid-Atlantic region. Additional white paper topics are currently being determined. These white papers are an integral part of NEEP's effort to provide valuable, actionable information to multifamily stakeholders to advance regional energy efficiency in the market sector.
- NEEP advised the Massachusetts Institute of Technology (MIT) on the [Community Energy Innovations: Cambridge Multi-family Pilot Design Practicum](#). Carolyn Sarno, NEEP Senior Program Manager, High performance Buildings, and Ed Londergan, NEEP Multifamily Project Manager, guest lectured at a class to present NEEP's multifamily program. The purpose of the practicum is to develop a pilot for scalable energy efficiency and renewable energy in small multifamily housing (2-20 units) via partnership between NSTAR, city government, community organizations, and private businesses. NEEP's knowledge of the multifamily market provides



students with a resource for development of the pilot and allows an interaction beneficial to both NEEP and Practicum participants.

- NEEP was one of 10 organizations invited to participate in the first National Multifamily Stakeholder Collaboration meeting in March. The meeting, hosted by ACEEE, included representatives from Stewards for Affordable Housing, Benningfield Group, National Housing Trust, New Buildings Institute, the MacArthur Foundation, CNT Energy, National Consumer Law Foundation, California Housing Partnership Corporation, and Enterprise Community. NEEP presented on best practices and shared updates on upcoming research and events. The meeting focused on coordinating activities to leverage resources and identified opportunities for collaboration, such as how best to work with utilities. The development and operation of the group provides a platform from which key multifamily policies and issues can be addressed on a regional and national scale, providing expertise to address long-standing barriers to moving the multifamily market forward towards greater energy efficiency.
- NEEP updated the Multifamily Retrofit Resource Center with the addition of the [Comprehensive Regional Multifamily Program Matrix](#), which includes more than 20 multifamily energy efficiency programs in 10 states and the District of Columbia. The matrix includes information on program administrators, program eligibility, features and incentives, outreach and delivery, and contact information. A [case study](#) of a seven-unit apartment building in Bangor, ME, the first project completed under the Efficiency Maine multifamily program, was also added. These updates provide multifamily stakeholders and other interested parties with timely, relevant, and useful information necessary to achieve substantial energy savings in the multifamily market sector.

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## SPEED ADOPTION OF HIGH EFFICIENCY PRODUCTS

*Identify and accelerate the adoption of high-efficiency residential and commercial lighting and consumer products through education, incentive programs and public policies.*

NEEP's *Products* strategies promote adoption of high efficiency lighting, consumer electronics, emerging technologies, and myriad other appliances. Many of the products currently on the market are inefficient, and their use is a major driver of electricity consumption and resulting greenhouse gas emissions. NEEP's regional efforts are essential to engage and leverage the marketplace and keep the region a national leader in the sale of high efficiency, market-ready products.

### High Efficiency Residential Lighting

NEEP released the [Residential Lighting Strategy Update](#) in January 2013—the first in an annual process to both update and supplement the information and recommendations in the original [Northeast Residential Lighting Strategy \(RLS\)](#). In the first quarter of 2013, we initiated dissemination and communications related to the update to ensure that all interested parties and stakeholders are well-informed and able to incorporate the recommendations into their annual plans.

Highlights of these dissemination efforts include a presentation by NEEP's David Lis during a Sylvania-hosted webinar on January 9. In addition to the PowerPoint presentation, we developed additional materials for general distribution, including a [two-page summary](#) and updated content for inclusion in the online [Residential Lighting Resource Center](#).

Throughout the quarter, NEEP maintained a significant social media presence, including attendance at several EPA twitter parties and a blog post on February 20 titled, [Lighting Savings Remain Large, Cost Effective and Cost Efficient](#). Dissemination of the RLS Update will continue throughout the year to ensure that its messages and recommendations reach all key stakeholders.

NEEP is pleased to announce the addition of two new members to the team. Claire Miziolek, Residential Program Manager, was hired in February, and John Puc, Director of Energy Efficiency Strategies, was hired in March. Together, they bring NEEP's Retail Products team to full capacity, with a range of knowledge and expertise from their previous involvement in the energy efficiency field.

Other noteworthy achievements in the first quarter of 2013 include:

- NEEP holds in-person Retail Products Working Group meetings quarterly to discuss regional strategies and efficiency program activities related to residential lighting. Organized as a peer exchange, these meetings cover a wide breadth of product areas, program measures, opportunities, and marketing/education best practices related to high efficiency lighting products.  
Our first-quarter meeting was held on March 19. Among other topics, EPA and the ENERGY STAR program were invited to highlight their plan to release their Request of Nominations for ENERGY STAR Verification testing. These nominations are important for product quality control and it is essential that they are completed. Overall, the meeting was engaging and productive, with many valuable take-aways.
- Development and upkeep of the online [Residential Lighting Resource Center](#) on NEEP's website continued. The resource center provides a one-stop-shop resource for regional lighting stakeholders including efficiency program administrators, regulators, policy makers, the media, etc. The Resource Center is organized into five subsections: Products, Consumer Value, Public Policy, Regional Activity, and the Residential Lighting Strategy (RLS). Throughout the quarter, NEEP updated the Resource Center on a regular basis with new information, relevant features,



important regional lighting updates, and recommendations from the RLS and first-annual RLS Update.

- Staff also developed the 2013 Residential Lighting Plan, which serves as a basis for plans and activities that NEEP will commit to for the year. The plan includes tasks and deliverables related to the next update to the RLS, a regional lighting summit, presentations, regulatory plans, upkeep of the online resource center, regional contact directories, and general media and communications initiatives.
- NEEP engaged with leading lighting experts at national events throughout the quarter, including at Appliance Standards Awareness Project (ASAP) meetings, the ACEEE Market Transformation Symposium, and the ENERGY STAR Awards Ceremony on March 26, where NEEP's Northeast Retail Products Initiative was recognized with the award for Sustained Excellence.
- NEEP submitted [comments](#) to ENERGY STAR on lamp specification Draft 3 of Version 1.0 on January 18. The comments were largely supportive of ENERGY STAR's recent developments, yet raised a few issues that require additional attention, including: dimming, controls, and labeling. It is essential for NEEP to be part of these discussions given the importance of energy savings from lighting products for retail energy efficiency portfolios in the Northeast and Mid-Atlantic region.
- NEEP submitted comments to ENERGY STAR on lamp specification Draft 3 of Version 1.0 on January 18<sup>th</sup>. The comment letter was largely supportive of ENERGY STAR's recent developments, yet it raised a few issues that require additional attention, including: dimming, controls, and labeling. It is essential for NEEP to be part of these discussions given the importance of energy savings from lighting products for Retail Energy Efficiency portfolios in the Northeast.
- Lastly, NEEP attended regional and national webinars and teleconferences throughout the quarter to engage with trade allies and other stakeholders, and to stay well-informed of developments in the efficient lighting market. Webinars attended include those hosted by industry partners CEE, AESP, EPA/ENERGY STAR, DOE, Osram Sylvania, NMR, and NRDC/D&R, among others.

### **DesignLights Consortium® Solid State Lighting Qualified Products List**

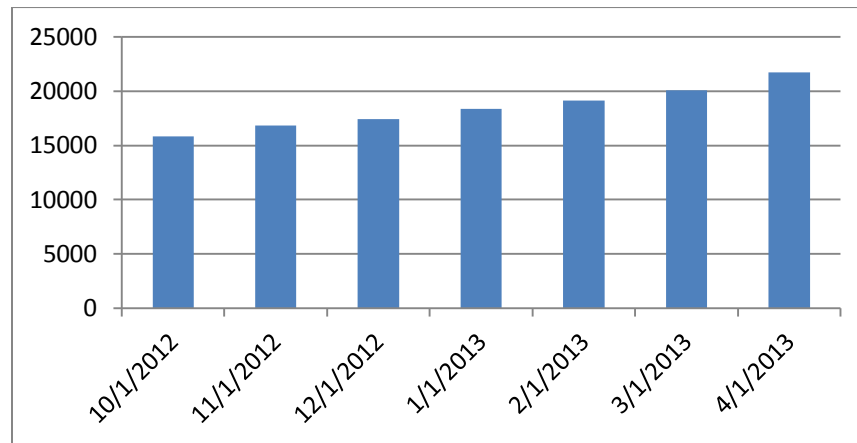
In the first quarter of 2013, the [DesignLights Consortium®](#) (DLC) underwent many changes and experienced tremendous growth. The Qualified Products List (QPL) grew by over 2,500 products, breaking the 20,000 product mark by the end of the quarter. DLC's annual specification revision process was also finalized, and split into two phases: non-efficacy metrics (Phase I); and efficacy metrics (Phase II). A draft proposal for Phase I changes was distributed for comment in early March, followed shortly by the proposal for Phase II changes. The new [Technical Requirements Table v2.0](#) was published in early April, marking the onset of the 270-day grace period for products that do not meet the requirements, the end of which is aligned with the typical January - December program year.

In addition, NEEP started planning for the [2013 DLC Stakeholder Meeting](#), scheduled for July 22-25 in Chicago, IL. The event will once again bring DLC stakeholders together to address important topics in the solid state lighting (SSL) industry. NEEP and the DLC team are also pleased to announce that the DLC database project is nearing its completion, with an expected second-quarter launch of the new DLC website, which will feature a user-friendly, searchable QPL database. Lastly, DLC expanded its network of manufacturers and efficiency programs through presentations and participation at public forums, increasing recognition within the industry, and also received the [AESP award for Outstanding Achievement in Energy Program Design Implementation](#).



Other noteworthy achievements in the first quarter of 2013 include:

- The [DLC QPL](#) grew by 2,541 products, leaving the product count at an impressive 21,570 products at the end of March. This represents products from 301 different luminaire manufacturers.



- The DLC Website and Database project was launched in the fall of 2012. The project will convert the DLC SSL QPL from its Excel-based format to a more user-friendly, sortable, searchable, web-based database. To complement this, a new DLC website, complete with a fresh, clean look and a web-based content management system will be introduced. In the first quarter, NEEP finalized the website and database framework and began updating content and making final adjustments. The website and database are scheduled for launch in the second quarter.
- NEEP carried out the DLC’s annual specification revision process and finalized the new [Technical Requirements Table v2.0](#). These specifications are the foundation of the QPL, and many members of the DLC community—efficiency programs, manufacturers, and advisors—rely on DLC’s specifications to support their activities (e.g., product development and program planning). To ensure that the specifications meet the needs of all participants, NEEP developed these revised specifications with input from technical advisors (e.g., D&R International, Pacific Northwest National Laboratory), DLC members, and all known LED luminaire manufacturers who engage through the DLC industry input process launched last year.
- NEEP published the monthly DLC Member Update, which includes program updates, general information, and announcements. The feedback from DLC Members has been very positive, as the update acts as a tool not only to inform the DLC Members, but to assist the DLC Members in informing their teams and customers about DLC program efforts. In addition, the [@DesignLightsSSL](#) Twitter feed gained approximately 50 new followers as a result of daily tweets about industry news, conference outcomes and observations, and general updates from DLC.
- NEEP is in the process of renewing membership for 2013 with current [DLC members](#) and many confirmed their commitment in the first quarter. Additionally, the DLC was pleased to welcome two new members—Fortis BC and Southern Minnesota Municipal Power Agency (SMMPA). The DLC now has 61 members, covering the Northeast, Southeast, Northwest, and portions of the South and Midwest regions of the US, as well as some provinces in Canada.
- Planning began for the [2013 DLC Stakeholder Meeting](#), scheduled for July 22-25 at the Hyatt Magnificent Mile in Chicago, IL. The meeting will feature a half day of informal sessions, workshops, and CEU courses; two full meeting days; as well as a members-only meeting day.





This will provide a venue to bring together industry players and energy efficiency program managers, as well as an opportunity for DLC members to come together and discuss important project developments. The DLC team began development of the agenda, which will include topics ranging from specification development and linear replacements, to outdoor lighting and advanced lighting controls.

- NEEP participated in numerous briefings, presentations, webinars, and receptions throughout the quarter, including:
  - NEEP provided an update from the West Coast Lighting Team (WCULT) meeting held November 26-29, as well as an overview of the DLC project to the Eastern Lighting Peer Exchange (ELPX).
  - NEEP's Commercial Program Manager, Jon Linn, presented on the DLC at the annual AESP conference. In addition, Linn accepted the [AESP award for Outstanding Achievement in Energy Program Design Implementation](#) for the DesignLights Consortium® project, on behalf of NEEP.
  - The DLC team participated in the Midwest Energy Efficiency Alliance (MEEA) conference in Chicago, an event that draws efficiency programs from across the Midwest, to connect to developments in other parts of the country.
  - The DLC team co-hosted a national webinar with DOE's PNNL TINSSL team. The webinar featured an overview of all TINSSL programs as well as a year-end review of 2012 CALiPER reports. The audience of 46 included DLC members and industry manufacturers.
  - NEEP participated in DOE's R&D workshop in Long Beach, CA. At this gathering of SSL R&D professionals, DLC was able to respond to inquiries about DLC from the nation's top researchers and industry, government, and academic leaders.
  - NEEP attended the Better Buildings by Design Conference in Burlington, VT. Many of the topics addressed revolved around the future impacts of the DLC and solid state lighting.
  - DLC was invited to present on lighting to a class at the Massachusetts College of Art and Design covering the history of lighting. DLC presented on solid state lighting technology and how and why the DLC project was created to ensure that quality, energy efficient products enter the market, and that incentive programs are designed around certain application specifications.
  - On March 5, DLC's annual [Member-kick off meeting](#) was held to launch the new program year. The main focus of this meeting was the DLC 2013 plan, as well as major projects currently underway.
  - And lastly, NEEP's DLC team attended the ACEEE Market Transformation Symposium in Washington, DC.

## High Efficiency Emerging Technologies

Following the December 2012 release of the [Northeast and Mid-Atlantic Heat Pump Water Heater \(HPWH\) Market Strategies Report](#), NEEP spent much of the first quarter planning and executing dissemination of the report. The report focuses on four key barriers to market adoption and offers seven strategies that will lead to market momentum, resulting in accelerated HPWH uptake. The HPWH dissemination plan was completed and put into action, ensuring that all interested parties and stakeholders are informed and able to incorporate the recommendations into their annual plans.

Highlights of the dissemination and communication efforts include a presentation by David Lis on the Strategy Report as part of the HPWH Leadership Advisory Council meeting on February 20. At the meeting, the role of regional consistency and cooperation were noted as paramount in achieving market momentum for HWPB technologies. In addition to the presentation, NEEP developed additional



materials for general distribution, including a two-page summary of the strategy, along with updates to the [emerging technologies landing page](#) on NEEP's website.

Other noteworthy achievements in the first quarter of 2013 include:

- In addition to a number of efficiency programs in the Northeast that will continue to implement promotional activities for HPWH in 2013, a number of new programs will be launched. These will feature new rebates, consumer/installer educational resources, installer trainings, etc.
- NEEP holds in-person working group meetings quarterly to discuss regional strategies and efficiency program activities related to emerging technologies. Organized as a peer exchange, these meetings cover a wide breadth of product areas, program measures, opportunities, and marketing/education best practices in emerging technologies. By discussing the HPWH Strategy and the process going forward, the regional effort can focus around addressing the most relevant issues. NEEP hosted the first quarterly meeting of the HPWH Leadership Advisory Committee on February 21 to discuss the HPWH Strategy and identify which of the Strategy's recommendations should be top priority for 2013. By working together to implement the strategies and conduct additional research, we hope to foster a more compelling business case for market adoption of HPWHs.
- In order to take full advantage of ENERGY STAR's resources and messaging around HPWH, NEEP provided direct feedback on a number of occasions to ENERGY STAR as they considered revamping their consumer messaging and guidance with respect to HPWH. NEEP's regional strategy emphasizes the need to raise awareness and education if we are to see accelerated uptake of this technology. ENERGY STAR provides an important channel to distribute these messages and a means to foster common messages.
- The Super-Efficient Dryers Initiative (SEDI) gave two presentations on recent developments. The first was a private discussion with NEEP staff concerning the pending release of a super-efficient dryer. The second was a presentation at NEEP's Retail Products Working Group, which provided general information about the initiative and pending developments. While heat pump technology is the long-term goal, NEEP continues to support all energy savings opportunities associated with more efficient dryers.
- To inform development of the regional strategy to accelerate market adoption of HPWH, NEEP maintains coordination and alignment with other regional and national efforts. The Northwest, led by the Northwest Energy Efficiency Alliance (NEEA), is a national leader in the area of HPWH promotion and shares the Northeast's challenges of cold climate operation. As NEEA implements new promotional activities around their Northern Climate Specification for HPWH, it is important for our region to stay up to date on and learn from their progress.
- NEEP continued to provide strategic direction for [TopTen USA](#), a not-for-profit web-based consumer resource aimed at accelerating the market adoption of super-efficient products. National emerging technology resources, such as TopTen USA, help NEEP Sponsors (energy efficiency program administrators) include the latest and most efficient products in their programs, and ultimately achieve aggressive energy savings goals. Use of TopTen USA by efficiency programs continues to increase, with programs from Massachusetts, Rhode Island, and Vermont joining Connecticut.
- To support the continued collaboration between efficiency program administrators and industry representatives, NEEP updated and maintained its directory of regional HPWH stakeholders, which includes industry representatives and efficiency program administrators, among others.



## High Efficiency Consumer Electronics

In the first quarter of 2013, NEEP developed a project plan to produce the Business and Consumer Electronics Strategy Report (BCE Strategy Report). The goal of this project is to keep the Northeast and Mid-Atlantic region an energy efficiency leader by reducing the average per household building energy use from business and consumer electronics, and by focusing on accelerating market adoption of high efficiency electronics and the efficient use of those electronics as key paths to achieve program and state energy efficiency goals. In February, NEEP developed an internal plan as well as a scope of activities, which was reviewed by staff and project sponsors.

After collecting stakeholder input, NEEP created a request for proposals (RFP) for contractors to provide research to inform the strategy report. The RFP was released in March and was sent directly to over 15 consulting organizations, in addition to being posted on NEEP's website. The scope defined in the RFP includes situational analysis of consumer electronics, policy recommendations, consumer behavior strategy, market transformation strategy, as well as key strategies for NEEP sponsors to incorporate into their efficiency program plans.

The timeline is such that key findings from the strategy will be discussed at the [Business and Consumer Electronics workshop](#) at the NEEP Summit on June 18, and the final strategy will be completed by late summer of 2013. The strategy's recommendations should therefore be available in time to inform 2014 efficiency program plans. The final strategy report will include NEEP goal outputs such as presentations, briefings, facts, recommendations, and regulatory guidance.

As with the residential lighting project, the addition of Claire Miziolek and John Puc to NEEP's retail products team will support this project.

Other noteworthy achievements in the first quarter of 2013 include:

- Throughout 2012, NEEP managed an [Advanced Power Strips \(APS\) Working Group](#) that successfully developed several resources for regional and national stakeholders, enabling efficiency programs to more broadly promote the promising technology. At the beginning of 2013, NEEP successfully transitioned the Advanced Power Strip project to the Consortium for Energy Efficiency (CEE) with support of project sponsors, stakeholders, and the EPA. However NEEP will continue to communicate developments that are taking place in the region with respect to APS technology. As we transition away from leadership of the APS project, the focus of NEEP's high efficiency consumer electronics project has shifted to development of the Business and Consumer Electronics Strategy Report (BCE Strategy Report), discussed in detail below.
- To kick off the project, in the first quarter, NEEP established the Business and Consumer Electronics Leadership Advisory Committee (LAC), engaging with stakeholders to form the LAC, which will advise the development and direction of the BCE Strategy Report. The LAC consists of partners from regional efficiency programs, regulators, policy makers, industry, and other stakeholders involved in the electronics market.
- NEEP holds in-person Retail Products Working Group meetings every quarter to discuss regional strategies in consumer electronics programs. Organized as a peer exchange, sponsor meetings cover a wide breadth of product areas, program measures, opportunities, and marketing/education best practices in high efficiency consumer electronics. At the Retail Products Working Group meeting on March 19, the BCE strategy was presented to NEEP Sponsors to solicit support for the strategy's recommendations, as well as insight and feedback.
- NEEP connected with leading experts in consumer electronics at national events throughout the quarter, including at the Appliance Standards Awareness Project (ASAP) Game Planning meeting where expertise and connections were gained, at the ACEEE Market Transformation



Symposium, and at the ENERGY STAR Awards Ceremony on March 26, where NEEP's Northeast Retail Products Initiative was recognized with the award for Sustained Excellence.

- In the first quarter, NEEP laid the foundation for the day-long [Business and Consumer Electronics workshop](#) to take place on June 18 at the NEEP Summit in Springfield, MA. While many details for the workshop are pending, the structure for the day-long event has been established, and we began media outreach to promote the event. NEEP's Business and Consumer Electronics Leadership Advisory Committee has been engaged to ensure a productive, successful event to inform development of the BCE Strategy Report.
- NEEP's [Business and Commercial Electronics \(BCE\) webpage](#) was regularly updated and refined throughout the quarter to provide stakeholders with updated information and resources on regional business and consumer electronics initiatives. Due to an update in progress to NEEP's website, some materials developed have not yet been posted, but will be added to the site soon. The Resource Center will be organized into five subsections: Products, Consumer Value, Public Policy, Regional Activity, and the forthcoming BCE Strategy.
- To announce the launch of the BCE Strategy, NEEP posted a blog titled [Powering Up: NEEP Launches Consumer Electronics Strategy](#), to highlight the importance of addressing the challenge of energy efficient consumer electronics.

## Appliance Efficiency Standards

NEEP engaged with the US DOE on its appliance standards rulemaking for [residential boilers](#). This rulemaking, at the Framework Document stage at the end of the reporting period, represents an important opportunity for states to achieve significant energy savings. NEEP submitted written comments representing the region's interests, which are considerable, given that a large majority of residential boilers, both gas and oil, are installed and operated in the region. The region is home to 4.3 million of the nation's 6.9 million gas boilers (62 percent) and 3.6 million of the nation's 3.9 million oil boilers (92 percent)<sup>1</sup>. The combination of their broad use and their individual annual energy needs creates a significant energy footprint at the local, regional and national levels. When considering the millions of boilers in use throughout the region, every improvement to the efficiencies of these products contributes to important energy and economic savings.

NEEP's comments provided an important opportunity for the region's perspectives to be considered by DOE, and guided the DOE as to how they could most effectively conduct their rulemaking and ultimately adopt as strong a standard as possible. Per usual procedure, NEEP staff developed a set of draft comments that were then circulated to our project partners and other stakeholders to solicit feedback. Respondents endorsed NEEP's call for the DOE to conduct its analysis at 90-percent annual fuel utilization efficiency (AFUE) for both oil and gas boilers.

This engagement process also included coordination with our national advocate partners. NEEP provided an information flow from local to national and national to local. Both groups benefit from the variety of perspectives and expertise, and our final input to the DOE is shaped by this combination of stakeholder input. Another important part of the process takes place during DOE's public workshops, which offer stakeholders an opportunity to share information. NEEP participated in the March 13 Framework Document Workshop, and will continue monitor the rulemaking and provide regionally representative input at various stages in the proceedings. We will also provide information regarding the proceeding's likely results in order to assist program administrators anticipate and plan for future efficiency levels for these products.

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<sup>1</sup> Energy Information Agency's [2009 Residential Energy Consumption Survey \(RECS\)](#), HC6.8 Space Heating in Northeast Region



Other noteworthy achievements in the first quarter of 2013 include:

- NEEP led development of the Northeast and Mid-Atlantic Appliance Standards Project's Regional Strategy Memorandum for 2012, outlining the project's key directions and strategies for the year. The identified strategies were developed based on an assessment of current opportunities associated with appliance standards, and involved input from all project stakeholders. As the project is comprised of stakeholders from a number of organizations—state energy offices, efficiency program administrators (PAs), efficiency advocates, state regulatory offices, etc.—the memo lays the foundation for regional work by aligning the efforts of the various players with a common plan and goals
- To facilitate regional stakeholder input and share information and best practices, NEEP maintained and led our Regional Advisory Group, bringing everyone together for the first quarterly meeting of the year. The group includes public agencies (energy offices and utility commissions), efficiency program administrators (utilities and others) and energy efficiency and clean energy advocates. This group guides project activities, and also provides information regarding standards to inform various energy plans and related activities in the Northeast and Mid-Atlantic states. Stakeholders from across the region met via webinar on March 28 to review progress toward the project's strategy and prepare for upcoming activities and opportunities. Members discussed federal standards activities, as well as potential opportunities for 2013 state standards. These regular discussions help maintain a general understanding and awareness of appliance standards as a valuable policy mechanism to achieve cost-effective energy savings.
- Appliance standards legislation was filed in Massachusetts ([HB 807](#)) and Rhode Island ([HB 5800](#)) in the first quarter, reflecting a model standards package developed by our national partners at the Appliance Standards Awareness Project (ASAP) and supported by NEEP through analysis of the state-level benefits these products represent. NEEP also led an effective stakeholder advocacy group to support these measures, including National Grid, ASAP, Environment Northeast, the National Consumer Law Center, the Rhode Island Office of Energy Resources, and the Massachusetts Department of Energy Resources.
- NEEP tracked two other rulemakings—[commercial and industrial pumps](#) and [commercial and industrial fans](#), participating in the Technical Advisory Group (TAG) sessions along with other efficiency advocates to share information and coordinate responses.
- NEEP was invited to participate in a gathering of national efficiency advocates to discuss long-term “game plans” for residential lighting products and consumer electronics. Hosted by the Energy Foundation and ASAP, the meeting allowed NEEP to influence strategies being implemented at a national scale, and also bring these national insights back to our regional stakeholders to share the broader strategic view of the role for appliance standards in state and federal energy policies.
- As efficiency program administrators in Massachusetts, led by staff from National Grid, worked to develop a proposal to establish a new Building Codes and Appliance Standards support program, NEEP provided review and consultation regarding the specific mechanisms to evaluate and attribute potential savings, as well as potential program activities. These activities are being conducted on a pilot basis in Massachusetts, and National Grid is taking a similar lead in Rhode Island, where the codes and standards support activities are eligible for claimed savings as part of the utility's three-year efficiency plans.
- In Connecticut, NEEP supported the Department of Energy and Environmental Protection (DEEP) as they worked to develop a strategy for including appliance standards in the state's Comprehensive Energy Strategy (CES) plan. Project Manager Dave Lis and Public Policy Director Jim O'Reilly met with DEEP officials to discuss their opportunities for engaging federal standards rulemakings, as well as options for meeting administrative obligations to set new state appliance standards.



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## ADVANCE KNOWLEDGE AND BEST PRACTICES

*Promote knowledge and the use best practices that support the expansion, implementation and evaluation of policies and programs to increase and accelerate energy efficiency.*

NEEP's *Knowledge and Best Practices* strategies support the expansion of policies and programs to accelerate energy efficiency. NEEP advocates for sustained public policy support, expanded financial resources, full integration of efficiency into energy planning, enduring efficiency infrastructure based on leading knowledge and best practices, and consistent standards across the region to measure, evaluate and report the impacts and benefits of energy efficiency.

### Public Policy Outreach and Analysis

With a number of multi-year state energy plans settled in 2012, the Public Policy Outreach and Analysis team shifted our attention in early 2013 to legislative opportunities to advance efficiency. At the forefront were efforts to fund programs for delivered fuels such as oil and propane in Vermont, Massachusetts, and Connecticut; to set an “efficiency first” loading order in New Hampshire; and to implement some of the major recommendations in Connecticut’s recent Comprehensive Energy Strategy. We were pleased to meet with staff members from the Maryland Energy Administration and advisors to the Public Service Commission. During those meetings we shared NEEP’s perspective on how to strengthen and advance the state’s [EmPOWER Maryland planning process](#) and improve their regulatory framework to support cost-effective efficiency. And, as always, we engaged in a number of stakeholder activities including the Massachusetts Energy Efficiency Advisory Council, the New Hampshire Energy Efficiency and Sustainable Energy Board, and the Connecticut Energy Efficiency Board. Related to these efforts, [NEEP delivered the following public comments](#):

- [Testimony on CT HB 6650 - Oil Heat Efficiency](#)
- [Testimony on CT HB 6360 - Comprehensive Energy Strategy](#)
- [Testimony on NH SB 65 - All Cost Effective Efficiency](#)

Other noteworthy achievements in the first quarter of 2013 include:

- NEEP’s Policy Outreach and Analysis Team took a leading role at the [Northeast/Mid-Atlantic Regional Dialogue on Industrial Energy Efficiency](#), co-hosted by NEEP and DOE in Baltimore on March 12. At the event, policymakers, utility and industry representatives, and academic experts discussed the potential benefits that expanded combined heat and power (CHP) capacity and barriers and policy drivers would bring. Executive Director Sue Coakley moderated a panel to discuss [successes](#) with CHP in states throughout our region. NEEP is also supporting research for a report on the status of CHP policy in the region to be released later this year.
- We continue to be heavily engaged in New Hampshire to work for a policy that promotes a [clear and consistent policy](#) and program landscape that supports cost-effective energy efficiency and renewable resources. To support this, Public Policy Director Jim O’Reilly and Senior Policy Outreach Manager Natalie Hildt presented on the benefits of energy efficiency to an orientation of the House Committee on Science, Technology and Energy in January.
- NEEP continued to advocate diligently for expanded access to energy efficiency programs for oilheat customers. The most promising is Massachusetts bill [H 2741](#). NEEP led coalition efforts to educate and drive grassroots outreach on the bill, which is supported by a broad coalition including oil dealers. For more, visit the [Oilheat Save Energy Coalition website](#).
- Staff participated in [Local Environmental Action 2013](#) in Boston, a grassroots conference hosted by Toxics Action Center and Mass Climate Action Network. Policy Analysis Manager Josh Craft spoke about the benefits of energy efficiency as part of the “Clean, Sustainable Energy 101” panel, while Natalie Hildt worked with our allies at Conservation Services Group (CSG) to conduct outreach on Massachusetts’ oilheat energy efficiency bill.



- NEEP tracks important trends in energy efficiency policy and programs throughout the Northeast and Mid-Atlantic region, and presents these at various venues in the region. In February, Executive Director Sue Coakley was invited to present NEEP's views on these trends to the [Restructuring Roundtable](#). Staff supported this by illustrating overall budget and savings figures for the region, as well as a presentation of significant policy trends in efficiency programs, building energy codes and other buildings policies, appliance standards, and ratepayer-funded efficiency programs. The highlight of the presentation was the analysis of how efficiency policy commitments among New England states have allowed the region to entirely offset growth in regional electricity consumption through 2021.
- Staff disseminated information on energy efficiency policy trends and programs through the [Energy Efficiency Policy Snapshot](#), and increasingly through the new [Regional Energy Efficiency Database](#) (REED). We worked with the EM&V Forum to provide access to REED for key members of the advocacy and policy community via a series of webinars and other media.
- NEEP was invited to meet with Massachusetts Attorney General Martha Coakley and staff to bridge some differences in understanding of the costs and benefits of the state's progressive energy efficiency policies. As the Attorney General (AG) had made several public statements critical of the costs—especially those borne by businesses—to fund the state's landmark efficiency programs, she has been less public about acknowledging the significant benefits provided by these programs. NEEP Executive Director Sue Coakley, Public Policy Director Jim O'Reilly, and Senior Evaluation Manager Elizabeth Titus helped inform the AG's task of assessing costs and benefits to state ratepayers.
- NEEP's Natalie Hildt served as a voice for energy efficiency on the [Grid Modernization Working Group](#) convened by the Massachusetts Department of Public Utilities (DPU). Under DPU Order 12-76, the Department created a process to explore an array of issues—including the role of energy efficiency, demand response, distributed generation, and renewable energy—and ultimately deliver a roadmap to guide the state's approach to grid modernization. The working group will continue to meet regularly, and plans to submit a report to the DPU by June 19.
- NEEP's Policy team engaged frequently with partner organizations across the region to build relationships and move forward policy best practices. In the first quarter, we worked with allies including the Pace Energy and Climate Center, Delaware Interfaith Power and Light, Environment Northeast, Clean Water Action, Massachusetts Climate Action Network, Chesapeake Climate Action Network Sierra Club, Conservation Law Foundation, and many more. We also worked closely with efficiency program administrators and state policymakers, who frequently look to us for guidance and expertise.
- While much of our work focuses on state issues, NEEP also participated in a number of regional meetings, including those involving the Regional Greenhouse Gas Initiative (RGGI) advocates and the ISO-New England Planning Advisory Committee. Our focus with the RGGI group is to ensure that auction proceeds are maximized to their highest and best use through energy efficiency, and to fend off any policies that would undermine the RGGI funding mechanism.
- A key role of NEEP's Policy staff is to share best practices and in-depth analysis of energy efficiency policy. We provide this through the [NEEP blog](#), [Twitter](#) feed, and the publication of [Highlights](#) and the [Policy Tracker](#)—increasingly valued resources on news related to regional energy efficiency policy.
- NEEP's Policy team also fosters new regulatory frameworks for how energy efficiency is counted and measured. We are working with the Regional EM&V Forum on issues including cost-effectiveness testing, net savings, and bill impacts, and also educate fellow advocates and policymakers about the need for evolution in these areas.
- Lastly, NEEP engaged with utilities and advocates in New York to better understand opportunities and challenges being presented by the convening of the Moreland Commission in that state as it addresses the future of utility roles in the wake of Hurricane Sandy.





## Regional Evaluation, Measurement & Verification Forum

The Regional EM&V Forum was pleased to announce the official launch of the [Regional Energy Efficiency Database \(REED\)](#) on February 20. The launch was shared through e-mails, the NEEP blog and Facebook page, as well as a press release. NEEP Executive Director Sue Coakley also presented on REED at the Regional Restructuring Roundtable held in Boston, and at the ACEEE/CEE Market Transformation Symposium held in Washington D.C. In addition, [US DOE issued an announcement](#) on REED. Key analytics on the REED website traffic at the end of the first quarter include:

- Over 1,700 visitors in the first two months
- Massachusetts hosted the highest number of unique viewers
- The top ten states accessing REED included six Forum states as well as California, Illinois, Pennsylvania, and Virginia

The Forum hosted two REED user webinars that featured live demonstrations of the tool, with over 150 attendees combined. In addition to the webinars, we also demonstrated REED live at the EPA Region 1 office in late March to a select audience, which included EPA air modelers. NEEP is currently analyzing the 2011 program year data and will be issuing a report in the third quarter on key findings, including similarities and differences across states, and associated recommendations. NEEP will begin collecting 2012 data for inclusion in REED in the second quarter, which will require aligning collection of electric efficiency data with ISO-New England (ISO-NE).

Other noteworthy achievements in the first quarter of 2013 include:

- The EM&V Forum completed the following projects:
  - **Emerging Technologies Research:** NEEP's contractor produced the [Final Emerging Technologies Research Report](#), which includes the results of secondary research and analysis of several emerging technologies and new efficiency program approaches.
  - **The Mid-Atlantic Technical Reference Manual (TRM):** The contractor completed the updated Mid-Atlantic TRM, which features common savings assumptions updated according to last year's Mid-Atlantic TRM Updating Process Guidelines. It is one of the few TRMs in the country to serve a multi-jurisdictional audience.
  - **Incremental Cost Study:** The [Incremental Cost Study Phase 2 Final Report](#) and [accompanying workbooks](#) include cost curves for the following efficiency measures: residential combined heat and hot water systems; ventilation fans; residential cellulose attic insulation; economizers; ductless minisplit heat pumps; prescriptive chillers; and variable frequency drives, as well as findings from an examination of non-energy features of residential air conditioners.
  - **Building Codes Attribution:** The purpose of the report, [Attributing Building Energy Code Savings to Energy Efficiency Programs](#), is to examine what mechanisms have been and could be used to encourage the development of efficiency program administrator code programs in an environment comparable to the one of resource acquisition in which conventional efficiency programs function. The report is intended to inform and assist PAs and other organizations, such as utility regulators, interested in exploring and pursuing opportunities for supporting building energy codes.
- Participants from throughout the Forum region continued to participate actively in [Forum committees and project subcommittees](#). Representatives from nine Forum states participated in the quarterly Steering Committee meeting on March 27, and representatives from eight Forum states participated in the quarterly Project Committees meeting on February 28. Forum staff also facilitated numerous, well attended project subcommittee meetings.
- The EM&V Forum continued to manage the following Protocol Development Project:



- **Emerging Technologies Project, Phase 2:** Draft results of metering of advanced power strips in two office buildings will be available for review by the subcommittee in the second quarter, and metering of 10 cold-climate heat pumps installed in a New Hampshire Electric Cooperative program will continue through the summer.
- The EM&V Forum continued to manage the following Research & Evaluation Projects:
  - **Variable Frequency Drive (VFD) Load Shape Study:** The metering period has been extended to the end of summer to capture valuable summer peak data. Preliminary results from a Massachusetts study of VFDs were provided to the subcommittee and are being used to inform the Forum study approach.
  - **Market Lift:** The Market lift pilot launched with one retailer in Vermont and was close to launch in Massachusetts by the end of the first quarter. A pilot effort between a second retailer and program administrators in Massachusetts is under development and discussions are ongoing with a possible third retailer.
- The EM&V Forum continued its active involvement in national-level protocol development and education/information access activities:
  - **US DOE Uniform EM&V Methods Project:** This project to build consistency in EM&V methods for a set of priority measures is managed by the National Renewable Energy Lab (NREL), with Cadmus Group as the contractor that will develop national-level EM&V methods. The project is informed by a technical advisory group and technical experts and guided by a project Steering Committee (including EM&V Forum Director, Julie Michals). With support from Forum technical advisors, NEEP provided comment on draft documents last year. In April 2013, the US DOE published [The Uniform Methods Project: Methods for Determining Energy Efficiency Savings for Specific Measures](#) as an initial set of protocols to determine energy efficiency savings.

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## 2013 NEEP SUPPORTERS

NEEP would like to recognize and thank our 2013 funders, including our [Sponsors](#), [Partners](#), [Regional EM&V Forum funders](#), [DesignLights Consortium SSL QPL members](#), [federal and foundation funders](#), and [Summit Sponsors](#). We are grateful for their support, which makes this work possible.

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|---|--|
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