



NEEP 2013 QUARTERLY REPORT

ANNUAL SUMMARY

EXECUTIVE SUMMARY

Energy efficiency has often been referred to as the least-cost, first order resource for achieving reduced energy use and improving air quality. In 2013, NEEP continued to play its role—bringing stakeholders together to find solutions for the climate and economic challenges we face today. In this report, NEEP will share some recent achievements toward the goals in our annual [Business Plan](#). With the support of our sponsors, partners, and funders from across the region and nation, NEEP continued to keep the region a national efficiency leader by advancing innovation and best practices, supporting leading-edge policies, programs, and strategies, and collaborating on development of regional strategies that deepen, broaden, and accelerate energy efficiency on a regional scale. Some highlights of our work this year include:

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

Increase Visibility of Energy Efficiency

- NEEP's signature event, the annual [Northeast Energy Efficiency Summit](#), brought together well-known efficiency experts from the industries of business, utility, public policy, and manufacturing to discuss *Accelerating Innovation in Efficiency*. This annual event exemplifies the value of collaboration in bringing visibility to efficiency as a critical and tangible resource with the potential to benefit our environment and economy. Many thanks to the sponsors, exhibitors, and attendees for another great year—we look forward to seeing you at the [2014 Summit on June 2-3 in Newport, Rhode Island](#).
- NEEP honored twelve regional [Business Leaders for Energy Efficiency](#) at the Summit, providing real-world success stories of best practices in facing and overcoming barriers to utilizing the efficiency resource. These stories demonstrate the economic and environmental benefits that can be realized by businesses large and small through access to energy efficiency program incentives.
- NEEP engaged with 24 [Sponsors](#) and 16 [Partners](#) to accelerate energy efficiency and spread the message of this resource's potential. The group's common missions and collective commitment to energy efficiency as a critical solution for a healthier economy and environment is key to keeping the region a national leader in efficiency policy and programs.
- Strategic Marketing and Communications is the foundation of NEEP's strategy to bring visibility to the benefits of energy efficiency. Through social and traditional media, presentation at events throughout the nation, and implementation of a comprehensive brand strategy, NEEP continues to position itself as the go-to resource for energy efficiency in the Northeast and Mid-Atlantic. See our website, [neep.org](#), for more.

Reduce Energy Usage In Buildings

- NEEP took a multifaceted approach under this strategy, and through [building energy codes](#), [building energy rating and disclosure](#), [high performance buildings best practices](#), and strengthening the [multifamily retrofit market](#), NEEP brought the region closer to a zero net energy future. Combined, these efforts save energy, reduce greenhouse gas emissions, reduce costs, and create a greener environment in homes, schools, and working environments.
- NEEP played a vital role in advancing the next [model energy code](#), sharing information and resources with local and state code officials to support continual energy efficiency improvements



in the 2015 IECC. The model code was ultimately adopted—vastly improving the potential for building energy efficiency across the nation.

- NEEP was instrumental in the successful adoption of the City of Boston’s [building energy rating and disclosure ordinance](#) for large buildings. NEEP deployed a multi-pronged strategy in a joint effort with other advocates to promote the economic and climate benefits of the ordinance, which ultimately led to its adoption by the Boston City Council. A true success story, Boston became one of eight cities in the nation—and the first in New England—to provide energy transparency for commercial and industrial buildings.
- NEEP released its [Operations & Maintenance Guide for schools and public buildings](#), which offers strategies to reduce operating costs and benefit the environment through improvements in energy efficiency and other measures, leading to greener, healthier learning and working environments.
- NEEP provided leadership to identify barriers and recommend strategies for [regional energy efficiency retrofits in the small multifamily housing market](#). Led by a regional advisory group comprised of key stakeholders from housing, finance, and efficiency programs, the effort was informed by a NEEP-hosted workshop, and resulted in development of a white paper with policy recommendations for moving the market forward.

Speed the Adoption of High Efficiency Products

- NEEP continued to build awareness around the need for improvements and greater access to high efficiency products, both in the residential and commercial sectors. Focusing on [lighting](#), [emerging technologies](#), and [consumer electronics](#), NEEP sought to influence the market through education, incentive programs, and public policies in support of energy efficiency.
- NEEP published three important regional strategy reports in 2013—an [updated residential lighting strategy](#), a [report on air-source heat pumps](#), and a [report to address the notoriously challenging sector of business and consumer electronics](#)—to examine these products and their role in significantly reducing regional energy consumption. With support for these recommendations from regional leaders, energy efficiency program administrators, and other key stakeholders, these strategies will help meet ambitious environmental and energy savings goals throughout the region.
- The [DesignLights Consortium](#)[®] grew tremendously in 2013, with over 36,000 products on the [Qualified Products List](#) (QPL) by year’s end. This success was made possible through improvements in DLC procedures and guidelines, including publication of an updated [Technical Requirements Table](#). The QPL sets the benchmark for lighting products, and provides industry-wide resources to inform product development and efficiency program planning.
- NEEP’s [Northeast Appliance Standards Project](#) spearheaded a campaign to ensure that regional stakeholders were actively engaged in the U.S. Department of Energy’s (DOE) appliance standards rulemaking process for a number of products. NEEP engaged stakeholders to submit joint public comments to the DOE, which played a key role in influencing outcomes and ensuring that the region’s perspectives were considered. These rulemakings represent important opportunities for states to achieve energy savings through strengthening of baseline product efficiencies.

Advance Knowledge and Best Practices

- NEEP took a leading role in a number of [key state and regional fronts](#) in 2013, engaging with policymakers and partners to promote or defend our states’ efficiency programs and policies, and to advise and support innovative ideas to capture even more of the efficiency resource. To support this, NEEP provided policy expertise and data analysis to advocates, efficiency program administrators, practitioners, and local, state, and federal policymakers. The policy team also tracked trends in state energy efficiency investments and savings, and provided information and insights through the online publications [Highlights](#), the [Policy Snapshot](#) and the [Policy Tracker](#).







- The Regional EM&V Forum launched the [Regional Energy Efficiency Database \(REED\)](#) in February 2013—a collection of energy efficiency data at the state and regional level. This data informed the [REED Program Year 2011 Annual Report](#), which provides an overview of the impacts of energy efficiency programs, as well as comparisons across states that can help strengthen the credibility of energy efficiency as a resource by increasing our understanding of similarities and differences in results across programs by type, sector, and state.

We hope you enjoy reading about these achievements and many more in the following report. Thank you for your engagement and support in 2013—we look forward to many more successes and our continued partnership.



NEEP 2013 STRATEGIES AND PROJECTS

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



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

- **NEEP's signature event—the [2013 Northeast Energy Efficiency Summit](#)—provided a platform to highlight innovation and the region's leadership in energy efficiency:** The event, co-chaired by well-known energy efficiency experts, brought together the industry's best to discuss how partnerships, taking risks, and thinking creatively can move efficiency forward across the region. Every aspect of the Summit lent itself to building partnerships and highlighting the accomplishments that are possible through good collaboration. In addition to the main program, NEEP hosted two pre-event workshops, as well as exhibits of innovative efficiency products and services. Summit Sponsors and exhibitors were given ample opportunities for networking, to share their points of view and inform attendees of their programs and products. We are grateful for their support of this ever-popular regional event.

This coming June, NEEP will host the [2014 Summit at the Newport Hyatt Regency in Newport, Rhode Island](#). With National Grid and NSTAR as the event's premiere sponsors, we look forward to another great slate of workshops, speakers, and exhibits to highlight *The Low-Carbon Future: Scaling up Energy Efficiency in a Brave, New, Dynamic World*.

- **Broad, regional participation for NEEP's 2013 Summit:** With over 350 attendees, the event was supported by 33 [sponsors](#), with many also presenting exhibits to showcase the latest in innovative efficiency products and services.
- **Pre-Summit workshops delve deeper into multifamily retrofits and consumer electronics:** Two workshops—[Challenges & Opportunities in the Multifamily Market](#) and [Consumer Electronics: A Strategy for the Northeast](#)—brought together stakeholders to explore strategies for moving forward these important aspects of efficiency.
- **Tour of recently renovated building damaged by tornado demonstrated the role efficiency played in recovery efforts:** In partnership with the [Center for EcoTechnology](#), Northeast Utilities, Western Massachusetts Electric Company, and the Massachusetts Department of Energy Resources, NEEP hosted a tour at [EcoBuilding Bargains](#), damaged by the 2011 tornado in Springfield, Mass. Following the event, [The Republican ran an op-ed](#) authored by Penni McLean-Conner, Vice President & Chief Customer Officer at Northeast Utilities and a NEEP Board Member highlighting the role of efficiency as a key element of the rebuilding process.
- **NEEP's Scholarship and Mentoring Program gave students the opportunity for an inside glimpse into the efficiency industry:** The program welcomed 12 undergraduate and graduate students, as well as a veteran in a job retraining program, to learn more about opportunities in the efficiency field and network with industry professionals.
- **Early, crucial support for NEEP's 2014 Summit:** National Grid and NSTAR signed on as Platinum Sponsors for the [2014 Northeast Energy Efficiency Summit](#), scheduled for June 2-3 in Newport, RI. Read about [sponsorship and exhibiting opportunities here](#).



Northeast Business Leaders for Energy Efficiency

- **Business Leaders honored for their commitment to accelerating energy efficiency:** The 2013 Business Leaders for Energy Efficiency, including the State Champions, were recognized at the annual NEEP Summit. Take a look at the inspiring [State Champion videos and case studies](#) for each of the Business Leaders, nominated by [NEEP Sponsors](#) to profile customers who demonstrate outstanding acts of leadership and best practices of energy efficiency in their business. The group represented diverse types of businesses that took on the challenge of curbing costs and supporting environmental goals through investments in efficiency. Following the Summit, a number of the businesses received media attention as a result of their awards, and NEEP continued to engage them to promote their achievements and provide visibility for the benefits of energy efficiency.
- **Business Leaders received media attention as a result of their award:**
 - Connecticut: [Boehringer Engelheim, Covidien, and ESPN](#)
 - Connecticut: [Boehringer Engelheim](#) - [here](#) and [here](#); and [Covidien](#)
 - Massachusetts: [Cape Cop Commercial Linen Service](#) - [here](#) and [here](#); [Boston College](#); [Baystate Health](#); and [Atlas Box & Crating Co.](#)
 - New Hampshire: [Woodstock Inn & Station Brewery](#)
 - Vermont: [Green Mountain Coffee Roasters](#)
 - Poughkeepsie Journal: [Earth Wise: Efficiency an easy way to cut energy usage](#)
- **Roundtable welcomed the 2013 Business Leader honorees and their sponsors to the NEEP Summit:** NEEP led a discussion focused on the pressing public policy issues affecting energy efficiency, encouraging the businesses to provide their support for these efforts. NEEP provided marketing and outreach materials to help the businesses publicize their awards, and also offered NEEP staff as a resource for their outreach and communications initiatives.
- **NEEP and partners led the Businesses for a Clean Economy initiative in Massachusetts and Connecticut:** NEEP and partners Cater Communications and the New England Clean Energy Council developed www.Mabizforcleanenergy.com to highlight business case studies and outline critical issues for business leaders related to energy efficiency and clean energy policies in Massachusetts. NEEP expanded this effort to Connecticut with Cater Communications. A key focus of this effort was in response to the Connecticut Department of Energy & Environmental Protection's decision to increase electric and gas efficiency funding. NEEP and Cater reached out to former Business Leaders to request their support for the proceeding. Two businesses signed onto a letter in support of the bill, and one submitted a letter to the editor to local newspapers. [Building & Land Technology's](#) letters ultimately ran in both the Hartford Business Review and the Stamford Advocate, providing visible business leadership for efficiency.
- **Two former Business Leaders—UMASS Medical Center and Sikorsky Aircraft—showed their support for efficiency:** Representatives from each business spoke at a [Regional Dialogue Meeting](#), co-hosted by the U.S. DOE and NEEP focused on developing best practice policies and investment models that address the barriers to greater investment in industrial energy efficiency and combined heat and power in the Northeast and Mid-Atlantic.
- **Partnered with Chambers for Innovation to engage with the Massachusetts Chambers of Commerce to support clean energy initiatives:** This effort focused primarily on oil-heat efficiency policy initiatives, and NEEP also engaged with other organizations—including the Green Ribbons Commission, and Healthcare Without Harm—to align and leverage efforts.



NEEP Sponsorship & Partners Program

- **NEEP Sponsors provided critical support for our common mission to accelerate energy efficiency across the region:** [NEEP secured 24 Sponsors](#), representing efficiency program administrators from across the region. Their strong commitment to energy efficiency as a critical clean energy, environmental, and economic solution complements our common goal to keep the region a national leader in energy efficiency policy and programs. Throughout the year, we focused on engagement of our Sponsors in NEEP projects. NEEP's annual Summit also provided an opportunity to showcase our Sponsors' commitment to efficiency, with many playing a key role—providing generous event sponsorship, input on program development, and nomination of the 2013 Business Leaders.
- **Collaborated with NEEP Sponsors to develop strategies to support the region's ambitious efficiency goals:** Energy efficiency program administrators' engagement and leadership provided visibility for the benefits of efficiency, and helped develop strategies to meet energy and environmental goals. You can read about their contributions to the development and success of many projects and products throughout this report.
- **NEEP's 2013 Partners Program matched its all-time highest level of participation:** [16 organizations](#) joined as NEEP Partners, more than double the number of participants since inception of the program in 2009. Partners represent leadership from around the nation committed to accelerating energy efficiency by encouraging new technologies and services and supporting a stable policy environment for efficiency programs and investments. Many Partners were also actively engaged in NEEP's 2013 projects and strategies, and participated in our annual Summit as sponsors, exhibitors, and workshop attendees and panelists.

NEEP Strategic Marketing & Communications

- **NEEP's Strategic Marketing and Communications team brings visibility to the benefits of efficiency:** In 2013, NEEP added two staff members to the Strategic Marketing and Communications team to increase efforts through social media, traditional media, and presence at events throughout the region and nation. NEEP introduced a comprehensive Brand Management Strategy, which included launch of a new website content management system to enhance the user experience at neep.org as the go-to resource for energy efficiency. NEEP also focused on expanding its social media presence via [Facebook](#), [Twitter](#), [LinkedIn](#) and the blog [Energy Efficiency Matters](#), to increase visibility for NEEP's and its stakeholders' successes.
- **NEEP's blog, [Energy Efficiency Matters](#) published 100 blog posts from NEEP and partners:** Topics ranged from building energy codes; policy news and updates; emergency preparedness and Black Friday shopping guides. The top 5 performing posts of 2013 were:
 - [Boston's New Building Energy Disclosure Law Boosts Property Portfolios](#)
 - [Building Rating Helps Markets Understand and Value Energy Efficiency](#)
 - [Reflections on Smart Grid and the Role of Energy Efficiency](#)
 - [New Hampshire Poised For Serious Progress On Efficiency Policy](#)
 - [60 Seconds on Why Building Energy Reporting is Good for Boston](#)
- **Improved access to essential resources and enhanced the user experience on neep.org:**
 - Page Views: 189K; up from 129K in 2012
 - Unique Visitors: 33K; up from 32K in 2012
 - Bounce Rate: 40%; down from 53% in 2012
 - Time on Site: 2:59; up from 2:50 in 2012
 - Pages per Visit: 3.6; up from 2.5 in 2012



- **Grew our presence and reach through social media channels:**
 - [Facebook](#): “Likes” nearly doubled from just over 200 to 400 by year’s end
 - [Twitter](#): Increased our following from ~1500 to nearly 2500 by year’s end
- **NEEP staff regularly sought out for their expertise as speakers at events:** Some highlights include:
 - [ACEEE Market Transformation Symposium](#)
 - [Energy Efficiency Global Forum](#)
 - [The American Institute of Architects National Convention](#)
 - [U.S. Department of Energy Better Buildings Summit](#)
 - [International Energy Policies & Programmes Evaluation Conference](#)
 - [ACEEE National Conference on Energy Efficiency as a Resource](#)
 - [NASAEO Annual Meeting & Getting to Zero National Forum](#)
 - [AESP-NEEC Conference](#)
 - [ACEEE Hot Water Forum](#)
- **NEEP issued numerous press releases to highlight important events and milestones:**
 - [Leveraging Building Energy Codes to Maximize Energy Savings](#)
 - [EPA Recognizes Northeast Energy Efficiency Initiative with 2013 ENERGY STAR® Sustained Excellence Award](#)
 - [NEEP Names 2013 Business Leaders for Energy Efficiency](#)
 - [DesignLights Consortium® Hits 25K Products Milestone](#)
 - [Greening up Public Buildings: NEEP Publishes Regional Operations & Maintenance Guide for Schools and Public Facilities](#)

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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

- **Played a leading role in the advancement of the next model energy code:** NEEP supported continual energy efficiency improvements in the 2015 International Energy Conservation Code (IECC). Leading up to October's International Code Council's (ICC) Public Comment Hearings, NEEP conducted outreach to state and local code officials and provided updates and resources to members of our Building Energy Codes Leadership Group. We prepared a "[cheat sheet](#)" and [handout](#) to inform voting representatives of the code's benefits, and disseminated other available guides and resources on our website. We also distributed letters to each state in the region, encouraging governors (such as [New York's](#)) to lift travel restrictions and allow voting representatives to attend the hearings. NEEP commented during the hearings to defend the IECC against efforts led by the homebuilders industry to weaken the code. NEEP promoted the hearings through a highly-trafficked [listing of key results](#) updated on our blog as the conference progressed, and following the hearings through a [blog post](#) and a [handout](#) to summarize the major code changes and notable defeated proposals.
- **Supported the important role of energy efficiency program administrators in successful code adoption:** NEEP and partners released the report [Attributing Building Energy Code Savings to Energy Efficiency Programs](#), to provide state-level estimates of the savings potential from efficiency program administrator involvement in codes and standards. The report also provides recommendations for attributing savings to such program involvement. NEEP disseminated the report's findings through various venues, including a [webinar](#), presentation to a group of national energy code stakeholders at the request of DOE, and in a presentation on [enhancing code compliance through utility claimed savings](#) at USGBC's 2013 Greenbuild conference.

As a result of this regional effort to require utility support for code activities and allow claimed savings from these activities, National Grid initiated a groundbreaking plan to support code activities in Rhode Island and developed a methodology for attributing and being awarded savings credits for these activities. NEEP worked closely with National Grid in this effort, and will continue to do so there, as well as support a similar, pilot effort in Massachusetts.

- **Supported [State Energy Code Collaboratives](#) as effective vehicles for bringing together stakeholders:** These collaboratives promote transparency and dialogue for energy code adoption and compliance. In 2013, NEEP supported Code Collaboratives in the following states:
 - Delaware: As the state moves closer to adopting the 2012 IECC and ASHRAE 90.1-2010, NEEP provided technical assistance regarding building air leakage testing, the most contested issue in the adoption process. We also commented on proposed amendments to its residential adoption by the Delaware Department of Natural Resources and Environmental Control (DNREC), which were finalized for public discussion at an early 2014 hearing. In addition, NEEP and DNREC co-hosted trainings on the upcoming [residential](#) and [commercial](#) codes for local code officials and builders.



- New Hampshire: NEEP provided technical guidance to advance the state's [Code Compliance Roadmap](#). As part of this collaborative, NEEP advises on two committees—one focused on enhancing code compliance and the other on engaging the real estate community and greening the Northern New England Real Estate Network.
- Pennsylvania: NEEP assisted the launch and facilitation of the state's first Code Collaborative. Pennsylvania has struggled to move beyond the 2009 energy code, and identified two priorities at their first gathering: 1) to assist the state in measuring and achieving full compliance with the 2009 codes as required by their ARRA commitment; and 2) to develop methods to educate consumers and incentivize energy efficiency. A second meeting focused on energy code adoption, compliance, and enforcement issues.
- **Supported Rhode Island as they became the first state in the region to allow efficiency program administrators to claim savings from code compliance:** NEEP participated in the Rhode Island Code Compliance Enhancement Initiative, led by the “Code Implementation Working Group (CIWG),” and comprised of NEEP, the Rhode Island Code Commission, National Grid, and the contractor team, led by Conservation Services Group. CIWG developed a training program in conjunction with state adoption of the 2012 IECC, and began implementation of a circuit riders program, establishment of third-party energy specialists, and drafting documentation tools.
- **Met with Connecticut officials to discuss the 2012 IECC code adoption process and code compliance assessment:** NEEP met with officials, including representatives from Connecticut Light and Power and United Illuminating, and in October, the Connecticut Codes Collaborative mapped out a 2014 strategy for a variety of code-related topics, including the state energy code update and adoption; a unique code compliance collaboration between NEEP and the utilities via their Conservation and Load Management programs; and prospects for advancing building energy rating/benchmarking, labeling, and disclosure in the state.
- **Promoted advancement of the next version of Massachusetts' stretch energy code for commercial buildings:** As project lead contractor to the Massachusetts Department of Energy Resources (DOER), NEEP delivered the updated code to DOER in the spring of 2012, but delays prevented the Board of Building Regulations and Standard (BBRS) from holding adoption proceedings throughout 2013. NEEP brought together a coalition of stakeholders to develop an adoption strategy and partnered with the Massachusetts Climate Action Network (MCAN) to develop supporting materials. Facilitated by NEEP, the group prioritized tactics and resources to encourage stretch code adoption. In late 2013, NEEP submitted [written comments](#) in response to DOER's solicitation for input on the stretch code update. Then, in early 2014, NEEP met with DOER to discuss measures to support its adoption, and brought together stakeholders to submit letters encouraging Massachusetts to move forward with the public hearings.
- **Supported states throughout the region to adopt new energy codes or other code-related policy measures:** In July, Rhode Island and Massachusetts became the second and third states in the region to adopt the 2012 energy code. The Rhode Island Building Code Commission approved the 2012 IECC for both residential and commercial buildings, with [amendments](#). The Massachusetts BBRS [voted to approve](#) the 2012 IECC and ASHRAE 90.1-2010 for residential and commercial buildings, respectively, with zero weakening amendments and an effective date of July 2014. In addition, in early January 2014, NEEP provided technical support in Delaware on the 2012 IECC, which they expect to adopt in early spring of 2014.
- **Provided technical assistance in Vermont to support passage of the state's omnibus energy bill:** The bill, for the first time, includes provisions to prompt the adoption of a stretch energy code in the state. NEEP applauded Vermont's efforts in [Highlights](#), and provided a venue for a [guest blog](#) from George Twigg, Director of Public Affairs at Efficiency Vermont, who lent insight into the legislative process behind the stretch code. NEEP assisted development of the [RFP](#) for a contractor to update the codes, which included the NEEP-developed stretch code as a



potential basis for Vermont’s stretch code. NEEP also advised the Vermont Department of Public Service on how to include renewable energy provisions into the stretch code.

- **Brought together stakeholders from across the region through NEEP’s Building Energy Codes Working Group:** Virtual and in-person meetings were well-attended, and focused on topics such as building energy and asset ratings, utility-claimed savings methodologies, REScheck and COMcheck, the 2015 IECC, and a state-by-state assessment of current energy code issues.
- **Engaged with regional and national codes efforts to share best practices to advance building energy efficiency:** These partnerships include the Responsible Energy Codes Alliance; the National Association of State Energy Officials (NASEO); the Institute for Market Transformation; the Northeast Home Energy Rating System Alliance; and the National Energy Codes Collaborative, a joint partnership of the U.S. DOE, the Pacific Northwest National Laboratory, the Building Codes Assistance Project, NASEO, and the other regional energy efficiency organizations (REEOs).
- **Shared the latest news and resources on building energy code adoption and compliance:** NEEP provided visibility for building efficiency efforts through regular updates to our online codes “[Bulletin Board](#),” and by tracking the [status of state building energy codes](#) and providing [codes resources](#), such as reports, guides, and trainings.

Building Energy Rating

- **Promoted the economic and climate benefits of building energy reporting and disclosure:** NEEP brought together advocates in an “all hands on deck” effort in response to the proposed Boston City Council ordinance requiring building energy reporting and disclosure in the city. To garner widespread support for the ordinance, NEEP disseminated talking points and with the other advocates developed a multi-pronged strategy to ensure its success. NEEP also voiced support for the on our [blog](#), and through social and traditional media.

These efforts were successful, and in May the Boston City Council [voted to adopt](#) energy benchmarking for large buildings, becoming the first city in New England and the eighth nationwide to provide energy transparency for their buildings. Energy benchmarking will promote energy and carbon savings in Boston’s commercial and industrial building sector—responsible for almost half of the city’s greenhouse gas emissions—and [evidence from existing programs](#) suggests that benchmarking will drive significant energy savings in Boston’s building stock. NEEP continues to share Boston’s success story and disseminate best practices to other cities and states interested in pursuing building energy rating policies.

- **Continued groundbreaking work to pilot innovative, cost-effective methodologies for building asset rating:** In January, NEEP and project partner Massachusetts DOER presented the preliminary findings of Phase 1 of the [Massachusetts Raising the BAR \(Building Asset Rating\) Pilot](#) via webinar, including lessons learned and opportunities for improvement; these findings were presented in greater detail in our [Highlights](#) newsletter. In June, Phase 2 of the project was launched to further explore two of the innovative methodologies tested in Phase 1 through broader deployment across a sample of approximately 40 commercial office buildings in the Greater Boston area. By year’s end, we had recruited participating buildings and begun to test and analyze the results. Learn more about the project in a [two-page summary](#) and a [presentation](#) at USGBC’s 2013 Greenbuild conference.
- **Provided guidance for successful implementation of building energy rating and disclosure policies:** NEEP released [Building Energy Rating and Disclosure Policies: Update and Lessons from the Field](#), a companion to our 2009 report [Valuing Building Energy Efficiency through Disclosure and Upgrade Policies: A Roadmap for the Northeast U.S.](#) The report presents recent experiences in implementing building energy rating and disclosure (BER&D) policies across the U.S. and provides guidance for promoting BER&D policies at the state and local level. To



summarize the findings, we developed a supplemental [fact sheet](#), distributed to advocates to inform their promotion of Boston's building energy disclosure ordinance, discussed above.

- **Supported implementation of the 2013 Connecticut Comprehensive Energy Strategy:** NEEP shared best practices for benchmarking state facilities, presenting at a workshop to Connecticut state agencies and efficiency program administrators.
- **Provided [technical guidance](#) in response to the Vermont Home Energy Score Working Group's [proposed home energy score and label](#):** We were pleased that the [final recommendations](#) included support for DOE's Home Energy Score tool, as recommended. We anticipate legislative action later in 2014, and will continue to engage with the Vermont Department of Public Service to ensure a successful program.
- **Provided technical expertise in support of a municipal energy reporting and disclosure ordinance in the City of Cambridge, Mass.:** Development of this ordinance was still in development by year's end, and NEEP was later invited by city officials to participate in the stakeholder engagement process, which began in January 2014, to further the effort.
- **Supported a municipal building energy disclosure ordinance in Burlington, Vt.:** NEEP linked city officials with resources available from the DOE and the SEE Action Network. We also circulated talking points to counter opposition to the proposed ordinance, as well as NEEP's reports on Building Energy Rating and Disclosure Policies (cited above), highlighting lessons learned through Vermont's previous attempt to pass building energy rating measures.
- **Disseminated best practices across the region regarding building energy rating:** These resources included those made available by the U.S. DOE. NEEP and the Mass. DOER also submitted comments in response to the U.S. DOE's [Request for Information](#) on key issues with the DOE national commercial building energy asset score program, currently being piloted. Lessons learned from Phase 1 of the Mass. BAR Pilot were of particular significance.
- **Encouraged adoption of DOE's [Home Energy Score \(HES\)](#) tool in state and municipal jurisdictions throughout the region:** NEEP worked with DOE's National Renewable Energy Lab to gather information on DOE's Better Buildings [Energy Data Accelerator](#) program, encouraging officials from Cambridge and Boston, Mass. to participate to benefit their ongoing building energy disclosure ordinance efforts. We also featured presentations from DOE on HES and Building Asset Rating, as well as Vermont and Massachusetts labeling efforts, at our annual in-person regional codes advisory group meeting.
- **Disseminated educational resources for real estate professionals:** NEEP shared the [Checklist of Home Energy Efficiency Attributes](#) with attendees of New York University's Schack Institute Sustainable Real Estate Conference, which challenged attendees to better understand, measure, and improve the sustainability and efficiency of real estate markets.
- **Presented at the annual conference of the Association of Energy Services Professionals Northeast Chapter and Northeast Energy Efficiency Council:** NEEP's Policy Director Jim O'Reilly moderated a panel on lessons learned from the two Massachusetts energy rating and disclosure efforts discussed above. NEEP facilitated presentations from Carl Spector of the City of Boston on upcoming regulations to support the city's building energy reporting and disclosure ordinance, and Patrick Coleman from the Mass. DOER on the Mass. BAR Pilot.
- **Invited by the U.S. DOE to serve as a peer reviewer of the EE Buildings Hub in Philadelphia:** NEEP's Jim O'Reilly and others quizzed Hub officials on their work on building energy rating and disclosure, resulting in a set of recommendations to DOE to strengthen the Hub.
- **Participated in the Boston Society of Architects' Committee for the Advancement of Sustainability:** NEEP shared talking points in support of Boston's building energy disclosure ordinance.



High Performance Public Schools & Buildings

- **Released the O&M Guide for schools and public buildings:** Recommendations in this report will help reduce operating costs, benefit the environment, and lead to overall improvements in the learning environment. Developed with input from NEEP's Schools and Public Buildings Leadership Groups, NEEP's [Regional Operations and Maintenance Guide for High Performance Schools and Public Buildings in the Northeast and Mid-Atlantic: Strategies for creating green, healthy & energy efficient existing buildings in your state or local government](#) provides an update to NEEP's [Northeast Collaborative for High Performance Schools \(CHPS\) Operations and Maintenance Guide](#), which focuses on guidance for school buildings, to now include strategies for all public buildings.
- **Partnered with the national [Collaborative for High Performance Schools \(CHPS\)](#) to strengthen administration of the CHPS protocol throughout the region:** To aid development of a national green schools movement:
 - NEEP's Carolyn Sarno, an elected member of the CHPS Board of Directors, participated in board meetings including a two-day strategic planning session.
 - NEEP provided comments on behalf of its regional schools leadership group on development of the [National CHPS core criteria](#).
 - With the regional leadership group and CHPS, NEEP began to update [NE-CHPS to Version 3.0](#). A final draft was completed in fall 2013, and will be released on April 8 in conjunction with Healthy Schools Day.
- **Served as co-chair on a subcommittee of the national [SEE Action Existing Commercial Buildings Working Group](#):** The group's objective is to create a policy framework where energy efficiency policies for commercial buildings are informed by, and directly tied to, building energy performance. NEEP and the New Buildings Institute presented the U.S. DOE with a draft policy framework of recommendations for training, energy modeling, utility rates, and outcome-based performance to inform the final recommendations to be released by DOE in early spring of 2014.
- **Participated in the Rhode Island Public Energy Partnership (RIPEP):** A DOE-funded project led by the Rhode Island Office of Energy Resources, this is a three-year collaborative effort to achieve deep energy savings in state and municipal facilities and build a sustained, effective infrastructure for ongoing savings. NE-CHPS and NEEP's O&M guide are valuable resources toward this effort. RIPEP brings together key state agencies, utilities, municipal governments, and state university partners to:
 - Create a comprehensive inventory of energy consumption in the public sector;
 - Aid approximately 100 facilities to implement energy efficiency measures to attain an average of 20 percent energy savings; and
 - Identify and mitigate barriers to efficiency improvements in the public sector.
- **Supported development of voluntary national guidelines to improve the commercial building workforce:** NEEP participated on a Board of Direction at the invitation of the U.S. DOE and the National Institute of Building Sciences (NIBS). The guidelines will focus on [five key energy-related jobs](#), and the objectives of the Board align with a key recommendation in NEEP's [Zero Net Energy Roadmap](#) to require that all facilities staff be trained and certified.
- **Provided technical resources to states as part of the US Department of Education's Green Ribbon Schools Initiative:** The goals of this initiative are to reduce environmental impact and costs of schools, and improve the health and wellness of students and staff. NEEP also participated in the [New England 'Education Built to Last' Facilities Best Practice Tour](#); see NEEP's blog about the tour [here](#).



- **Built and maintained partnerships to advance regional high performance school and public building policies.** To support this, NEEP:
 - Collaborated with the New York Department of Education and the New York State Energy Research and Development Authority (NYSERDA) to share best practices for schools O&M to ensure energy efficiency and indoor environmental quality, and provided guidance as they began to update [NY-CHPS](#).
 - Partnered with the Rhode Island Department of Education, Rhode Island OER, and National Grid to support statewide collaboration to advance best practices for school construction and operations. The group aimed to streamline benchmarking efforts and provided comments on a [Request for Quote](#) for energy management consulting.
 - Partnered with Efficiency Vermont to strategize on best practices for school construction, including review of their new [whole school energy challenge](#) program.
 - Actively participated in committees dedicated to high performance building best practices in state and federal government, including:
 - SEE Action Committee Existing Buildings Commercial Buildings Working Group
 - New Hampshire High Performance Schools Working Group
 - Massachusetts Green Schools Working Group
 - NEEEA Conference/RI Sustainable Schools Summit Planning Committee
 - Boston Society of Architects, Committee on the Advancement of Sustainability and Schools Committees
 - Was invited by the U.S. DOE to serve as a peer reviewer of the EE Buildings Hub in Philadelphia, where NEEP's Jim O'Reilly and others quizzed Hub officials on their work on commercial, industrial, and institutional building efficiency standards, resulting in a set of recommendations to DOE to strengthen the Hub.
- **Shared best practices of exemplar high performance schools throughout the region:** NEEP developed case studies of schools built to NE-CHPS and MA-CHPS standards:
 - [Claiborne Pell Elementary School](#) (Newport, R.I.)
 - [East Bay MET School](#) (Newport, R.I.)
 - [Archie R. Cole Middle School](#) (East Greenwich, R.I.)
 - [Keene Middle School](#) (Keene, N.H.)
 - [Roger L. Putnam Vocational Technical Academy](#) (Springfield, Mass.)
- **Reviewed U.S. DOE's draft "[Guide to Financing Energy Upgrades for K-12 School Districts](#):"** NEEP provided additional resources and best practices to inform the final guidance, which was then disseminated to stakeholders.
- **Informed regional efforts through our High Performance Schools & Public Buildings Leadership Groups:** The group focused on topics such as Vermont's [Green Ribbon Schools Program](#), the Maryland Energy Administration's efforts to build zero net energy schools, and an update to U.S. DOE's [Better Buildings Challenge](#). At their annual in-person meeting, the group also toured the first zero net energy school built to NE-CHPS criteria in New England—[The Paul Crowley East Bay MET Center](#).
- **Recognized Rhode Island's impressive legacy of green schools:** NEEP co-hosted a celebration in partnership with the Rhode Island Department of Education to honor two recently NE-CHPS verified schools—[Claiborne Pell Elementary School](#) and [Archie R. Cole Middle School](#).
- **Disseminated NEEP's [Roadmap to Zero Net Energy Public Buildings - Recommended Steps for the Northeast & Mid-Atlantic](#):** This report outlines key steps the public sector can take to facilitate the broad adoption of zero net energy (ZNE) building practices, to support NEEP's



goal that the region leads the nation in construction of ZNE buildings. Recognized as a leader in advancing state policies and practices to support ZNE, NEEP presented at:

- The national [Getting to Zero National Forum](#) on [Stretch Codes, Utility Programs, and Innovative Policies - How Hard Is It?](#) The presentation included case studies on Massachusetts and Rhode Island, leaders in ZNE buildings.
- The Northeast Sustainable Energy Association (NESEA) annual conference, where we chaired a session on the North Shore Community College Health Professions and Student Services Building, one of three demonstration projects from Massachusetts Governor Deval Patrick's Zero Net Energy Task Force, on which NEEP's Carolyn Sarno served as chair of the public buildings working group.
- The [Better Buildings Summit for State and Local Communities](#), where we moderated a session on *Making It Happen - Engaging Your Stakeholders in Energy Plan Implementation*, focused on creative engagement of stakeholders to support execution of energy plans.
- The Rhode Island School of Design and Brown University, where we served as a guest lecturer to demonstrate the benefits of constructing, operating, and maintaining energy efficient and environmentally sustainable schools, highlighting strategies from the NE-CHPS Protocol.
- The AIA National Convention, where we presented on [Zero Net Energy Buildings: From Policy to Practice](#), to nearly 500 in-person and virtual attendees. Practitioners also presented lessons learned from two ongoing Massachusetts zero net energy projects—one at the Division of Fisheries and Wildlife Building in Westborough, Mass., and another at the John W. Olver Transit Center in Greenfield, Mass.

Comprehensive Multifamily Retrofit

- **Led a project to recommend strategies for energy efficiency retrofits in the small multifamily housing market:** Led by a regional advisory group comprised of key stakeholders from housing, finance, and efficiency programs, NEEP facilitated a regional project to examine efforts to address energy efficiency retrofits in the small multi-family housing market. NEEP led a regional leadership advisory group and convened the [Regional Multifamily Retrofit Workshop: Challenges and Opportunities in the Multifamily Market in the Northeast and Mid-Atlantic Regions](#), which focused on the complexities and barriers of the multifamily market. The workshop informed 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. Take-aways from the workshop informed NEEP's ongoing efforts to achieve sustained energy efficiency in this market, including through public policies, financing, and opportunities to address issues between building owners, lenders, tenants, and other stakeholders.
- **Engaged a regional multifamily leadership group comprised of key stakeholders:** NEEP brought together efficiency program administrators, local, state, and federal government agencies, national associations, and non-governmental organizations at meetings throughout the year. Highlights included discussion of [NYSERDA's Multifamily Performance Program](#); U.S. Housing and Urban Development expansion of the [Better Buildings Challenge](#) to include multifamily; and review of [Efficiency Maine Trust's Multifamily Program](#).
- **Released a draft of "Increasing Energy Efficiency in Small Multifamily Properties in the Northeast: Recommendations for Policy Action:"** The report contains information on market characterization and data analysis, market barriers, current policy and recommendations, and ratepayer-funded multifamily energy efficiency program design and operation. In conjunction with development of the white paper, NEEP conducted two focus groups—one for property



owners and one for tenants—of small multifamily properties in Southern Maine to determine their attitudes and opinions toward energy efficiency in the rental decision-making process.

- **Maintained the online [Comprehensive Multifamily Retrofit Resource Center](#):** This valuable resource includes presentations from Multifamily Leadership Group meetings and other events; case studies from around the region, and the [Comprehensive Regional Multifamily Program Matrix](#) of all programs offered by regional energy efficiency program administrators.
- **Advised the Massachusetts Institute of Technology (MIT) on [Community Energy Innovations: Cambridge Multi-family Pilot Design Practicum](#):** NEEP staff guest lectured for a class to present NEEP’s multifamily project, and guide their practicum, which aims to develop a pilot for scalable energy efficiency and renewable energy in small multifamily housing via partnership between NSTAR, city government, community organizations, and private businesses. NEEP was later invited to participate in the MIT Community Energy Innovations: Cambridge Multifamily Pilot Design Practicum Symposium, focused on students’ proposed multifamily strategies and a potential pilot program in Cambridge.
- **Participated in the National Multifamily Energy Efficiency Group:** Key topics examined included: the U.S. Housing and Urban Development’s [Better Buildings Challenge](#); National Association of State Energy Officials efforts to engage state housing finance agencies; and various program evaluation and research reports.

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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

- **Update to NEEP's Residential Lighting Strategy explores the opportunities to achieve the regional goal of 90 percent household socket saturation by the year 2020:** The [Northeast Residential Lighting Strategy](#) (RLS), originally published in the spring of 2012, is a critical document that requires annual updates. In 2013, NEEP published the [2013-2014 Residential Lighting Strategy Update \(RLS-U2\)](#). To support this, we reconvened the RLS Leadership Advisory Committee (LAC), and again contracted with Optimal Energy and Energy Futures Group to perform research and analysis. The RLS-U2 process included collecting lighting data from regional energy efficiency program administrators and researching lighting product trends and developments. The efficiency data informed program planning, projections of savings potential, provided analysis of developments in the lighting landscape, and aided in the comparison to the original RLS recommendations. The report's major finding is the rapid shift away from CFLs toward LEDs. This shift will result in higher energy savings, but will come at an increased cost, which means that programs must increase their budgets to achieve those savings. The report also includes findings from recent program evaluation, market developments, new socket saturations surveys, and hours of use evaluations. In addition to the final report, NEEP hosted a webinar and created a [two-page summary](#) to more broadly disseminate the report's findings.
- **Hosted the regional Residential Lighting Summit:** The [2013 Northeast Residential Lighting Workshop](#) brought together over 50 stakeholders to discuss the most relevant and pressing issues in residential lighting efficiency. The workshop built broad stakeholder support, strengthened relationships between programs and trade allies to promote ENERGY STAR lighting solutions, and demonstrated that states throughout the region continue to strive for strong lighting savings goals with a variety of products.
- **Maintained the online [Residential Lighting Resource Center](#) and promoted visibility for residential lighting through social media:** NEEP continued to develop and maintain this online resource with new information, relevant features, factsheets, critical updates, and recommendations from the RLS. Additionally, NEEP posted numerous [residential lighting-focused blogs](#).
- **Participated in national product quality assurance programs to ensure long-term expansion of energy efficient lighting:** NEEP participated in ENERGY STAR's process to develop a new lamp specification and submitted comments on [Draft 3](#), [Draft 4](#), and the [final draft](#) of the Lamp Version 1.0 specification. Our comments brought attention to several issues including dimming, controls, and labeling. NEEP also participated in the development and refinement of [TopTen USA's PAR Lamp](#) list to recognize products that go beyond ENERGY STAR in a variety of measures. Additionally, NEEP is an active member in the Consortium for Energy Efficiency (CEE) Advanced Lighting Specification committee looking to develop additional tiers or lighting efficacy classifications for residential lighting applications.



- **Built and strengthened national and federal partnerships:** NEEP engaged in many federal and national programs including: creating an easily accessible Excel spreadsheet for our Sponsors to track Nominations Requests for ENERGY STAR Verification Testing; presenting our Sponsors with recognition of the [2013 ENERGY STAR Award for Sustained Excellence](#); and submitting an application for 2014 ENERGY STAR Award. NEEP also took part in DOE's SEAD Award planning committee to develop an international award for a number of the most energy efficient SSL product categories. NEEP participated with the Appliance Standards Awareness Program (ASAP), attending in-person meetings and participating on technical committees.
- **Supported EM&V efforts related to residential lighting:** NEEP's residential lighting initiative collaborated with the EM&V Forum to move forward on the need for adequate retail sales data to properly plan and evaluate residential lighting efficiency programs. This need, expressed by NEEP's efficiency program stakeholders, prompted NEEP to join the [Consortium for Retail Energy Efficiency Data \(CREED\)](#), a coalition of energy efficiency programs pushing for access to retail sales data. As CREED members, NEEP can connect project sponsors with opportunities to access retail sales data.
- **Built partnerships with experts to expand understanding of technological developments:** NEEP was active in a number of regional and national efforts including: the Appliance Standards Awareness Project's Game Planning meeting; the ACEEE Market Transformation Symposium; Lightfair International; CEE's Summer Program; the DesignLights Consortium® Stakeholder Meeting; and the E Source Forum. Additionally, NEEP met with leading lighting experts in New Orleans after the official ENERGY STAR Partners Meeting was cancelled due to the government shut-down.
- **Developed stakeholder support with trade allies and retailers:** In addition to building trade ally support through working groups and participation in the Residential Lighting Workshop, NEEP staff and select sponsors weighed in on a set of ENERGY STAR-sparked retailer guidelines that seek to clarify how retailers and energy efficiency programs can collaborate effectively. Upon the release of these guidelines, NEEP worked with sponsors to understand how to improve relationships with retailers for efficient products, such as residential lighting.

DesignLights Consortium® Solid State Lighting Qualified Products List

- **The [DesignLights Consortium](#)® grew tremendously in 2013, with over 36,000 products on the [Qualified Products List \(QPL\)](#) by year end:** This represents products from over 500 different luminaire manufacturers, and was made possible through improvements in DLC procedures and guidelines, including publication of an updated [Technical Requirements Table](#). Version 2.0 was published in the first week of April, starting the clock for a 270-day grace period during which products not meeting the new requirements were allowed to remain listed. The grace period ended on January 1, 2014 in alignment with the program year to prevent disruptions in the middle of a program cycle.
- **Release of Technical Requirements Table v2.1 keeps the QPL ahead of industry and technology developments:** This release included five new categories and an expansion of the retrofit kit policy, changes informed by the DLC's Industry Input Process to include feedback from technical advisors, DLC members, and the LED industry. These technical requirements are the foundation of the QPL and keep the list ahead of industry developments with a focus on increased product performance. This is crucial, as DLC stakeholders rely on these specifications to support product development and efficiency program planning activities.
- **Updates to the DLC website and database enhanced the user experience:** The QPL was converted from its Excel-based format to a more user-friendly, sortable, searchable, [web-based database](#), complementing the introduction of the new [DLC website](#). These improved resources allow for a better user experience and easier searching and sorting of the QPL.



Members are now able to conduct product searches by category, measured criteria, rated criteria, or manufacturer, and results can be saved and downloaded from the database through the members-only portal on the DLC website.

- **Hosted the second annual [DLC Stakeholder Meeting](#), bringing together DLC Members and other key stakeholders:** Nearly 200 people from across the lighting industry attended the conference to discuss important issues such as Solid State Lighting Market Development, DLC Specification Development, Ambient Lighting, Safety, and many others.
- **The DLC brand has become part of the vernacular of the commercial lighting and efficiency communities:** NEEP endeavors to maintain and build on the integrity of the brand and provide a reliable resource for DLC members and stakeholders. Through regular member meetings, social media ([@DesignLightsSSL](#)), press releases, and strict logo usage control, NEEP maintained the integrity of DLC and the QPL as services and brands. At the annual DLC Stakeholder Meeting, NEEP revealed the new DLC QPL Product logo, designed for use by manufacturers to distinguish their products as DLC-qualified and listed on the QPL.
- **Received Special Recognition as an LED Lighting Facts Program Partner:** Presented by U.S. DOE, NEEP was recognized for its dedication to advancing and promoting the LED lighting industry through the DesignLights Consortium.
- **The DLC welcomed four new members:** Southern Minnesota Municipal Power Agency, Fortis BC, Ameren, and Xcel Energy joined the DLC. Adding new members allows NEEP to broaden the program's impact and lower member costs.
- **Attended and presented at regional and international conference to increase visibility for the DLC:** Members of the DLC team attended a total of 23 conferences and workshops, providing presentations on the DLC at many, including: the annual Association of Energy Service Professionals (AESP) conference, where the DLC was honored with the AESP Award for Outstanding Achievement in Energy Program Design Implementation; the [LIPA Energy Efficiency Conference for Long Island Businesses](#); EuroLED in Birmingham, England; the International Energy Policies and Program Evaluation Conference during the poster session: Very Efficacious: Transforming the Market with the DesignLights Consortium Qualified Products List; the Eastern Lighting Peer Exchange meeting; the annual E Source Forum; and the DOE SSL Market Introduction Workshop.
- **Initiated development of a five-year plan to guide future DLC program efforts:** The DLC has grown along with the explosive growth of the SSL industry, and it is NEEP's responsibility to plan ahead and evolve to ensure maximum value to our members and stakeholders. With input from DLC members, NEEP made plans to develop new DLC services in 2014 by investigating in the introduction of a tiered QPL and a product verification program, as well as planning for the long-term future.

High Efficiency Emerging Technologies

- **Released a regional strategy to overcome barriers and build market momentum for air-source heat pump technologies:** NEEP published the [Northeast/Mid-Atlantic Air-Source Heat Pump \(ASHP\) Market Transformation Strategy](#), which illustrates barriers to reducing energy consumption associated with residential space heating, and presents strategies the region can adopt to drive market uptake of ASHP technology. The project was scoped and launched early in 2013, supported by a Leadership Advisory Committee (LAC) and contractor, Steven Winter Associates. The final report, published in December, demonstrates that compared to traditional heating systems for residential space conditioning, ASHPs offer superior efficiency performance in a number of common scenarios. Additionally, recent advances in heat pump technology have improved performance levels under cold weather conditions and now offer a legitimate space heating system alternative for the Northeast and Mid-Atlantic region.



- **Northeast efficiency programs increased heat pump water heater promotions:** In addition to continued implementation of established efficiency program promotional efforts for heat pump water heaters (HPWHs), a number of new regional efficiency programs launched promotional efforts for this technology. Promotions include new rebates, consumer/installer educational resources, installer trainings, etc. NEEP developed a summary of these [Heat Pump Water Heater Promotional Activities](#) to demonstrate this growing regional trend. NEEP's regional HPWH Working Group chose to address several priority recommendations through individual sub-committees: 1) guidance to ENERGY STAR's consumer marketing efforts; 2) filling data gaps; 3) promoting cooperative promotions; and 4) contractor case studies.
- **Efficiency programs ramped up promotions for efficient dryers:** NEEP became a member of the Super Efficient Dryer Initiative (SEDI), and began participation in SEDI's Technical and Next Tier Working Groups. As shown in [close dryers snapshot](#), energy efficiency programs across the region either launched, or planned to launch, customer rebates and associated promotional activities for the purchase of high efficiency dryers. The partnership with SEDI will enable regional programs to promote these technologies on an accelerated timescale, maintaining their position as a leader in the advancement of emerging technologies.
- **The region embraced TopTen USA—a super-efficient product program:** NEEP provided 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, provide guidance to the region's efficiency program administrators on which products to include in their programs to achieve aggressive energy savings goals. Many regional efficiency programs incorporated promotional activities for several of the product categories included on the TopTen website, including refrigerators and clothes washers.
- **Maintained a directory of efficiency programs and trade allies:** Trade ally exchanges are facilitated regularly to introduce energy efficiency programs to industry partners to encourage potential cooperative opportunities. To support collaboration between efficiency program administrators and industry representatives, NEEP updated and maintained its Directory of Regional HPWH Stakeholders, and engaged with experts and stakeholders at events throughout the nation. These efforts help build strong partnerships, expand understanding of technological developments, and gain visibility for the leading efforts of the Northeast related to emerging technologies.
- **Disseminated the findings and recommendations from NEEP's heat pump water heater report:** Following the release of the [Northeast and Mid-Atlantic Heat Pump Water Heater \(HPWH\) Market Strategies Report](#) in late 2012, NEEP focused on the report's dissemination in 2013. We developed supplemental materials including this [summary of the HPWH Strategy](#), and presented the recommendations through our website, social media, and a webinar targeted at public policy makers.
- **Provided input to national and federal programs related to HPWH:** NEEP submitted comments to ENERGY STAR regarding their Air-Source Heat Pump Specification Framework revision process. 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.
- **Maintained the online [Emerging Technologies Resource Center](#) and promoted visibility for emerging technologies through social media:** The online resource center provides a one-stop shop for stakeholders including efficiency program administrators, regulators, policy makers, and the media. The resource was overhauled and updated with new resources, including NEEP's incentive summary charts of regional [Air-Source Heat Pump Promotional Activities](#) and of [Heat Pump Water Heater Promotional Activities](#). NEEP also published several blogs related to



emerging technologies, including: [The Cold Shower: Plan Ahead and You'll Avoid It](#); [Ode to the Air-Source Heat Pump](#); and [Hanging Underwear Out to Dry?](#)

- **Maintained the Regional Retail Products Working Group to provide leadership and coordination for emerging technologies:** NEEP held quarterly Working Group meetings to discuss regional strategies in emerging technologies programs. 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.

High Efficiency Consumer Electronics

- **Released [Business and Consumer Electronics: A Strategy for the Northeast](#) to reduce energy consumption from this notoriously challenging sector:** Developed with input from a Leadership Advisory Committee and contractor The Cadmus Group, the report demonstrates that although business and consumer electronics (BCE) are amongst the “highest hanging fruits” for efficiency programs, policies, and advocacy, there is still potential for the region to achieve significant energy savings from this product category. The report includes a detailed situational analysis; identification of barriers and strategies to overcome them; methods to achieve savings from reduced BCE energy use; and approaches that will transform the BCE market. Through implementation of these recommendations, the region can achieve 20% TWh energy reduction by 2020.
- **Hosted the annual Regional High Efficiency Consumer Electronics Summit:** The workshop, [Consumer Electronics - A Strategy for the Northeast](#), focused on ‘Working Together to Build a Program around Margins,’ ‘Innovation in BCE Products and Policy,’ and solicitation for feedback on the draft BCE strategy report.
- **Broad support for NEEP’s regional Business and Consumer Electronics Strategy:** NEEP hosted a public webinar presenting the major findings from the BCE strategy report. The [presentation](#) provided an opportunity to share the findings with a broad audience, and gain regional support for the recommendations.
- **Maintained the online [Business and Consumer Electronics Resource Center](#) and promoted visibility for these products through social media:** This online resource was overhauled and updated with new resources. NEEP also published several blogs related to consumer electronics, including: [Powering Up: NEEP Launches Consumer Electronics Strategy](#); [Not Your Grandma’s Electronics Workshop](#); [NEEP’s Guide to Picking the High Hanging Fruit of Energy Efficiency](#); [The Spine-Chilling Secret Lurking Behind Your Electronics](#); and [A Black Friday with a Bright Future](#).
- **Provided input to national and federal programs related to BCE:** NEEP engaged in many federal and national programs including: participating on a panel as part of the ENERGY STAR Partners Meeting Webinar Series; presenting NEEP Sponsors with recognition of the [2013 ENERGY STAR Award for Sustained Excellence](#)—and submitting an application for 2014 ENERGY STAR Award; [submitting comments](#) to the ENERGY STAR Most Efficient Program to support their increase in stringency for televisions. Additionally, NEEP participated in CEE’s Consumer Electronics Working Group, and co-signed with [ASAP and ACEEE on their comments](#) regarding ENERGY STAR’s set-top box version 4.1 specifications. NEEP also endeavored to advance the new ENERGY STAR game console specification, and supported the Voluntary Agreement for Set-Top Box service providers, as set forward by energy efficiency advocates.
- **Built and strengthened regional and national partnerships in support of efficiency:** NEEP staff was active in numerous regional and national efforts, including: ASAP’s Game Planning meeting; the ACEEE Market Transformation Symposium; CEE’s Summer Program; the [CEA Research Summit](#); and the Annual E Source Forum. In particular, the CEA Research Summit provided an opportunity to collect the latest information for inclusion in the BCE strategy



report. NEEP also met with BCE experts in New Orleans after the official ENERGY STAR Partners Meeting was canceled due to the government shut-down.

- **Progress made toward development of an advanced power strip program model:** NEEP managed an [Advanced Power Strips \(APS\)](#) Working Group to develop resources for regional and national stakeholders. The Working Group completed an [APS Test Protocol](#) designed to help efficiency programs assess the functionality of APS products and ensure that only high quality products are included in efficiency programs. NEEP, the National Renewable Energy Laboratory (NREL), and other partners provided insight into the protocol via webinar and a public comment period. Upon publication of the protocol, NEEP convened a strategy planning session to identify priorities and activities to move the products forward in 2014.
- **Developed stakeholder support with trade allies and retailers:** In addition to building trade ally support through working groups and participation in the BCE Workshop, NEEP staff and select sponsors weighed in on a set of ENERGY STAR-sparked retailer guidelines that seek to clarify how retailers and energy efficiency programs can collaborate effectively. Upon the release of these guidelines, NEEP worked with our sponsors to understand how to improve relationships with retailers for efficient products, such as consumer electronics.
- **Maintained the Consumer Electronics Working Group to provide regional coordination:** NEEP holds quarterly Retail Products Working Group meetings to discuss regional strategies in consumer electronics programs. In the 2013 meetings, Sponsors discussed BCE opportunities and potential technologies for NEEP to investigate further. Additionally, NEEP provides monthly updates to members of its Retail Products Working Group that includes updates on various projects, including activities and support related to the Business and Consumer Electronics Strategy.

Appliance Efficiency Standards

- **NEEP's [Northeast Appliance Standards Project](#) provided regional input to the U.S. DOE on appliance standards rulemakings:** Most notably, NEEP sought to influence efficiency standards for residential boilers, general service fluorescent lamps and incandescent reflector lamps, computers, and residential furnace fans. These rulemakings represent important opportunities for states to achieve energy savings through strengthening of baseline product efficiencies. Led by NEEP, regional stakeholders were well-informed to comprehend the nuances of these product rulemakings, and [public comments](#) submitted on the region's behalf played a key role in influencing the ultimate outcomes. This engagement also includes national advocate partners, and an important component of the process takes place during DOE's Public Workshops, which offer stakeholders and the DOE an opportunity to share information.
- **Tracked federal rulemaking processes to express regional perspectives:** Most notably, NEEP tracked efforts related to the [grid-interactive water heater waiver proposal](#), [commercial packaged boilers framework document](#), commercial and industrial pumps, and commercial and industrial fans. NEEP participated in the Technical Advisory Groups for these products, facilitated by ASAP to share information and coordinate responses, including comment letters, with other advocates.
- **Developed an annual strategy memo to guide regional efforts related appliance efficiency standards:** This memo shaped the direction of the Northeast Appliance Standards Project for the year, and highlighted common goals and strategies, with an emphasis on regional input to the development of strong federal standards.
- **Hosted regular webinars to bring together the Appliance Standards Leadership Advisory Committee:** To facilitate regional stakeholder input and share information and best practices, NEEP convened quarterly meetings via webinar. These meetings engaged stakeholders from across the region to review progress toward the annual strategy, and prepare for upcoming



appliance standards opportunities. This engagement promotes understanding and awareness of appliance standards as a valuable policy mechanism to achieve cost-effective energy savings.

- **Supported state-level appliance standards activities:** Most notably, in:
 - Massachusetts, where NEEP supported the filing of appliance standards legislation, [HB 807](#): An Act relative to expanding resource efficiency in the Commonwealth, and later led an effective advocacy effort to build support for these measures.
 - Connecticut, where staff met with representatives from the state's Department of Energy and Environmental Protection (DEEP) to discuss immediate state standards opportunities (2013 model bill) as well as longer-term opportunities, including product categories under consideration in California, a leader in appliance efficiency standards.
 - Regionally, where NEEP partnered with ASAP to develop a revised and expanded Model Bill package for 2014. Northeast and Mid-Atlantic states have, for years, relied on the Model Bill to inform their legislative standards efforts at the state level.
- **Facilitated agreement on federal standards and test procedures to ensure strong appliance standards:** Attorneys General from throughout the region [reached an agreement](#) with the U.S. DOE to ensure timely resolution of four product categories delinquent in revision of their minimum efficiency standards. The categories include: commercial refrigeration equipment, electric motors, metal halide lamp fixtures, and walk-in coolers—[representing significant regional energy savings for the region](#). In addition, NEEP penned a [letter to the editor](#), voicing support for strong appliance standards and the benefits to consumers. DOE later announced completion of a revised federal test procedure for clothes dryers, and NEEP will encourage programs and industry partners to utilize this more accurate, voluntary test procedure, to support its adoption as a mandatory test procedure. Strong standards rely on test procedures that accurately measure how appliances will operate in homes.
- **Progress toward development of a regional infrastructure to advance strong codes and standards:** Efficiency program administrators in Massachusetts and Rhode Island, led by staff from National Grid, developed proposals to establish a building codes and appliance standards support program. NEEP reviewed and provided guidance on mechanisms to evaluate and attribute potential savings and program activities. These programs are being conducted on a pilot basis in Massachusetts, and National Grid took a similar approach 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.
- **Maintained the online [Appliance Standards Resource Center](#) and promoted strong standards through social media:** NEEP's online resource center was maintained and updated with new resources, providing stakeholders—including efficiency program administrators, regulators, policy makers, and the media—with access to key information. Additionally, NEEP published [Setting the Record Straight on Appliance Efficiency Standards](#) on our blog.
- **Coordinated regional efforts with national players:** NEEP gathered with other advocates to discuss long-term strategies for two important product categories—residential lighting and consumer electronics. Hosted by the Energy Foundation and ASAP, the meeting allowed NEEP to influence strategies being implemented on a national scale, and also bring these national insights back to our regional stakeholders.



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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

- **Took a leading role in a number of key state and regional fronts to promote or defend our states' efficiency programs and policies:** NEEP engaged with policymakers and partners to advise and support innovative ideas to capture even more of the efficiency resource. To support this, NEEP provided policy expertise and data analysis to advocates, efficiency program administrators, practitioners, and state, local, and federal policymakers. Read more about this below.
- **Focused on legislative opportunities to advance efficiency:** At the forefront were efforts to fund programs for delivered fuels like 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. There were some setbacks as well, as legislators in Connecticut diverted RGGI proceeds away from energy efficiency to the general budget (as we wrote in two [blogs](#)).
- **Sought out for our policy expertise and data analysis:** A number of advocates, efficiency program administrators, practitioners, and local, state, and federal policymakers turned to NEEP for our knowledge, perspectives and connections in the field. For instance, we were pleased to meet with staff members from the Maryland Energy Administration (MEA) and advisors to the Maryland Public Service Commission (PSC) to share 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.
- **Nurtured relationships with policymakers:** Many of the region's policymakers turn to NEEP as trusted experts and a gateway to information, contacts, and best practices in efficiency. Some examples of this include:
 - To share perspectives, we profiled Michael Stoddard of Efficiency Maine, Tom Noyes of Delaware's Department of Natural Resources and Energy Conservation, and Kevin Lucas of MEA in [Highlights](#) about recent policy changes in their states.
 - NEEP was invited to meet with Massachusetts Attorney General Martha Coakley and staff to try to bridge some differences in understanding the costs and benefits of the state's progressive energy efficiency policies.
 - NEEP met with Marion Gold, Director of the Rhode Island Energy Office, and her staff to talk about shared objectives and ways that NEEP can support the state's progress on a number of policy and programmatic areas.
 - NEEP was asked to participate in the 2013 legislative orientation for the Science, Technology and Energy Committee in New Hampshire. We will continue to make our educational materials available to policymakers across the region as they seek to advance energy efficiency as a resource.



- NEEP was asked by the National Governors' Association to help prepare and present at a February 2014 conference for state gubernatorial energy advisors.
- **In collaboration with the Regional EM&V Forum, supported the development and launch of the first-ever Regional Energy Efficiency Database:** [REED](#) is a regional dashboard of efficiency savings and spending in the states now looked at as a national model. Staff worked with the Forum to provide access to REED for key members of the advocacy and policy community via a series of webinars and other media outreach.
- **Monitored the efforts of ISO-New England as it implemented the first-ever efficiency forecast:** Greater availability of energy efficiency data allowed ISO-New England to develop the nation's [first energy efficiency forecast](#), which shows that New England's electricity consumption will remain flat over the next decade.
- **Collaborated with partner advocates:** NEEP collaborated with allies including Environment Northeast, Conservation Law Foundation, Natural Resources Defense Council, the Pace Energy and Climate Center, Conservation Services Group, the National Consumer Law Center, the Jordan Institute, Delaware Interfaith Power and Light, Massachusetts Climate Action Network, Chesapeake Climate Action Network, Sierra Club's Beyond Coal campaign, and many others on policy developments throughout the region.
- **Engaged in energy efficiency stakeholder boards:** NEEP participated in stakeholder processes including the Massachusetts Energy Efficiency Advisory Council, the New Hampshire Energy Efficiency and Sustainable Energy Board, The Rhode Island Energy Efficiency Management Council, the Connecticut Energy Efficiency Board, and the Maryland EmPOWER Planning Group.
- **Pushed for more comprehensive efficiency programs:** NEEP advocated diligently for expanded access to energy efficiency programs for oil-heat customers across the region, which is still heavily reliant on unregulated delivered fuels. In 2013, we focused on Massachusetts [H 2741](#), leading coalition efforts to educate and drive grassroots outreach on the bill. NEEP also engaged with stakeholders in Vermont, New Hampshire, and Connecticut as they explored ways to expand thermal programs. Staff also participated in a public input session with Efficiency Maine with the aim to expand fuel-blind programs for residential customers with RGGI funds.
- **Supported states with emerging energy efficiency policies and programs:** In addition to our efforts to strengthen efficiency programs and policies in "established" efficiency states, government agencies and advocacy groups in "emerging" states like Maryland, Delaware, Pennsylvania, and the District of Columbia also sought us out for our expertise. NEEP informed potential reforms to energy efficiency laws in Delaware and Maryland this past year—working for passage of Delaware [HB 179](#), and on the issue of cost-effectiveness in Maryland. We were also heavily engaged in New Hampshire to work for a policy that promotes a clear and consistent landscape that supports cost-effective energy efficiency and renewable resources, informing a study to evaluate the potential for an energy efficiency resource standard (EERS) and other policy measures. NEEP advised consultants and the state's Office of Energy and Planning. See the feature on [New Hampshire Public Radio](#) about efforts to ramp up efficiency in the state.
- **Envisioning the grid of the future:** NEEP served as a voice for energy efficiency in the [Grid Modernization Working Group](#), chartered by the Massachusetts Department of Public Utilities (DPU) to explore issues of electric grid modernization. NEEP participated in a clean energy caucus of the group, which released its [final report](#) to the DPU in July; read our joint statement about the report [here](#). NEEP continued to engage in the effort, and in late 2013, DPU issued a straw proposal on how to move forward with some aspects of grid modernization.
- **Provided timely news and insights:** NEEP shared best practices and in-depth analysis of energy efficiency policy through the [NEEP blog](#), [Twitter](#), and via the publication of [Highlights](#), the



[Policy Snapshot](#), and the [Policy Tracker](#)—increasingly valued resources on the region’s energy efficiency policy news.

- **Reported on energy efficiency progress throughout the region:** NEEP released its third-annual [Regional Roundup of Energy Efficiency Policy in the Northeast and Mid-Atlantic States](#), which provides in-depth analysis of state energy efficiency policy progress and shared challenges. The *Roundup* includes a comparative view of states and key data from the most recent program year (2012), as well as first-hand accounts on state activities from leading policymakers and program administrators and NEEP’s view on best practices.
- **Supported new regulatory frameworks for energy efficiency:** NEEP Policy staff worked closely with the EM&V Forum to foster new regulatory frameworks for how energy efficiency is counted and measured. Cost-effectiveness screening was a major area of focus for NEEP and across the energy efficiency industry in 2013. NEEP’s work culminated in a [survey of cost-effectiveness screening practices](#) in the Northeast & Mid-Atlantic States by Synapse Energy Economics, as well as input into the new [“Resource Value Framework” report](#) by industry experts, including Conservation Services Group and Tim Woolf of Synapse Energy Economics. NEEP shared these insights throughout the region, particularly in New York and Maryland.
- **Support for integration of air and energy regulations:** The integration of energy efficiency and air regulation is another important development of 2013, especially with the U.S. Environmental Protection Agency’s proceeding on Chapter 111-d of the Clean Air Act. NEEP partnered with [other REEOs](#) to develop a concerted approach favoring RGGI as a model for the nation in how to regulate CO₂ emissions.
- **Participation in regional coalition efforts in support of energy efficiency:** NEEP sat on the policy committee of the New England Clean Energy Council, advising the group’s action on a range of efficiency-related legislative and regulatory developments. We also offered a leading voice on the Massachusetts Global Warming Solutions Project, a team of advocates working to hold the state to its commitments under the Global Warming Solutions Act of 2008.
- **Were among a core group of advocates working to strengthen the Regional Greenhouse Gas Initiative (RGGI):** NEEP participated in the RGGI Advocates Group to ensure that auction proceeds are maximized to their highest and best use through energy efficiency, and to help fend off any policies that would undermine the RGGI funding mechanism. NEEP continued to support amendments to revise CO₂ budgets in line with the 2013 RGGI Memorandum of Understanding (MOU) that would provide additional revenues for cost-effective state energy efficiency programs.
- **Engaged with and tracked efforts of regional transmission organizations (RTOs):** NEEP participated in the ISO-New England and New York ISO annual conference in Boston, where we engaged with a variety of energy market actors, including program administrators and state energy officials. And with the EM&V Forum, NEEP Policy staff monitored how RTOs treat energy efficiency, and worked with program administrators and other stakeholders to weigh in on select proceedings that impact demand-side resources.
- **Making linkages between business and public policy:** Along with efforts to make a policy case for Connecticut’s proposed ramp-up in efficiency through the 2013-15 Conservation and Load Management Plans, NEEP worked with allies including the Northeast Energy Efficiency Council and Cater Communications to help make the business case for efficiency. NEEP drafted a sign-on letter to DEEP, signed by a number of energy services companies and business leaders supporting the proposed ramp-up. Staff also reached out to the Connecticut Manufacturing Alliance and the Connecticut Office of Energy Efficient Business to attempt to broaden our network.



- **Provided regional expertise into the ACEEE State Scorecard:** NEEP was once again invited to review the American Council for an Energy-Efficient Economy’s draft [2013 State Energy Efficiency Scorecard](#). We were pleased that ACEEE staff accepted our guidance on Northeast and Mid-Atlantic states, and that they were open to ideas for improving the process for evaluating states’ progress in a number of key policy areas. NEEP also served on the planning committee for ACEEE’s 2014 Market Transformation Symposium, and were asked to present the region’s perspective in the opening plenary of the ACEEE national “Energy Efficiency as a Resource.”
- **Thought leadership in policy proceedings:** NEEP engaged in a number of important regulatory and legislative proceedings across the region—submitting over 20 sets of public comments and testifying in person when possible. All of our public comments can be found on our [Policy Outreach and Analysis website](#) by visiting the state-specific pages. Staff submitted comments on proposed RGGI Model Rule amendments in six states. Other significant proceedings included:
 - [Comments on proposed oil-heat efficiency legislation and other titles in Massachusetts](#)
 - [Comments on Connecticut DEEP Draft Decision on the C&LM Plan](#)
 - [Letter in Support of Delaware House Bill 179-Reforming the Energy Efficiency Resource Standard](#)
 - [Joint Comments to the New York PSC on the Repowering of the Cayuga and Dunkirk Plants](#)
 - [Comments to PSC on EmPOWER Planning Group Potential Study](#)
- **Shared the region’s perspective at speaking engagements throughout the region:** NEEP was invited to speak at a number of key events throughout the year. Some highlights include:
 - The [Local Environmental Action 2013](#) in Boston, a grassroots conference hosted by Toxics Action Center and Mass Climate Action Network, where Josh Craft spoke about the benefits of energy efficiency as part of the panel “Clean, Sustainable Energy 101.”
 - Executive Director Sue Coakley presented at the [Restructuring Roundtable](#), illustrating overall budget and savings figures for the region, and presenting significant policy trends in efficiency programs, building energy codes and other buildings policies, appliance standards, and ratepayer-funded efficiency programs.
 - NEEP shared the energy efficiency viewpoint at an energy summit sponsored by the Massachusetts Attorney General’s Office. With growing budgets come an increasing focus on cost, and NEEP sought to ensure that the economic and societal benefits of efficiency are also properly accounted for. Similarly, we engaged in the Commonwealth’s Energy Policy Review Commission, a stakeholder process to review the economic benefits and costs of the state’s clean energy policies.
 - NEEP’s Natalie Treat served on the planning committee and arranged speakers for the [AESP-NEEC](#) annual conference and moderated a session on workforce development.
- **Published blog entries in support of strong energy efficiency policies:** Some highlights include:
 - [EmPOWER Planning Process Helps Envision Future of Maryland’s Energy Efficiency Programs](#)
 - [Delaware, Maine Strive to Advance Strong EE Policy and Funding Frameworks](#)
 - [State RGGI Raids: A Real Head Scratcher](#)
 - [Progress in NH, landmark energy efficiency plans, and more news from NEEP’s Policy Highlights!](#)



Regional Evaluation, Measurement & Verification Forum

- Launched the [Regional Energy Efficiency Database \(REED\)](#) to provide consistent state- and regional-level energy efficiency data: Officially launched in February 2013, REED was announced to key stakeholders via a press release, a U.S. DOE announcement, and the [NEEP blog](#). To support the roll-out, the Forum hosted two user webinars and demonstrated REED live to stakeholders throughout the year. NEEP presented REED at several events and conferences, including the February [Regional Restructuring Roundtable](#), the [ACEEE/CEE Market Transformation Symposium](#), the [International Energy Program Evaluation Conference](#), and the [ACEEE Energy Efficiency as a Resource Conference](#).
- **REED experienced a high level of traffic and reached a broad range of stakeholders:** The website had over 1,700 unique visitors in the first two months, and nearly 3,300 unique visitors by year's end. NEEP will continue to update and improve REED in 2014, including populating the database with program year 2012 data and making modifications based on user feedback.
- **Released the [REED Program Year 2011 Annual Report](#):** This report provides an overview of the high-level impacts of 2011 energy efficiency programs at the state and regional level. It also provides comparisons across states that can help strengthen the credibility of energy efficiency as a resource by increasing our understanding of similarities and differences in results across programs by type, sector and state.
- **Hosted the 2013 Forum Annual Public Meeting:** Over 100 stakeholders attended [the December 12 event in Portsmouth, N.H.](#) Highlights of the event included engaging panels on cost-effectiveness, net savings, and the integration of efficiency in state air pollution plans. Forum leadership also provided updates on current and recently complete EM&V Forum projects.
- **Completed numerous critical EM&V Forum projects:**
 - **Emerging Technologies Research:** [The Final Emerging Technologies Research Report](#), produced by contractor ERS, includes the results of secondary research and analysis of several emerging technologies and of new efficiency program approaches. The [Emerging Technologies Research Report on Advanced Power Strips for Office Environments](#) was also completed following a metering effort of advanced power strips in two office buildings.
 - **The Mid-Atlantic Technical Reference Manual (TRM):** The [Mid-Atlantic TRM Version March 2013](#) was completed by contractor Shelter Analytics and features common savings assumptions updated according to the Mid-Atlantic Technical Reference Manual Updating Process Guidelines from 2012. 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](#) were released in February of 2013 and include cost curves for a number of efficiency measures. The Forum co-hosted an [Informational Webinar on the Incremental Cost Study](#), partnering with technical advisors and Navigant Consulting to present the findings from phases 1 and 2 of the study, including an overview of the resources and data available to program planners, administrators, evaluators, and regulators as a result of this regional study. The team also prepared a [reference sheet](#) that includes the list of measures and a summary of key study features.
 - **Building Codes Attribution:** The [Attributing Building Energy Code Savings to Energy Efficiency Programs Final Report](#), released in February 2013, serves to inform and assist program administrators and other organizations such as utility regulators interested in exploring and pursuing opportunities for supporting building energy codes. The Forum co-hosted an [Informational Webinar on the Building Codes Attribution study](#) in



coordination with The Cadmus Group and National Grid to provide an overview on the report and a case study of Rhode Island's codes programs and evaluation efforts.

- **Active regional participation in Forum committees and project subcommittees:** Representatives from the majority of Forum states participated in quarterly Steering Committee and Project Committee meetings. Forum staff also facilitated over 30 well-attended project subcommittee meetings throughout the year.
- **Promoted education and information access on relevant and pressing evaluation issues:** These activities included:
 - A region-wide [State Evaluation Activities webinar](#) in April to provide state summaries of evaluation activities and plans, with representatives from eight Forum states presenting completed and upcoming evaluation studies. Information from the webinar informed a project brainstorming meeting with key Forum stakeholders in May, which then culminated into a multi-year project survey issued to Forum members in June.
 - Continual updates to the [Forum Repository of State and Topical EM&V Studies](#) with current external links and newly completed evaluation studies from across the region, including studies mentioned in the April webinar on state evaluation activities.
- **Developed a multiyear framework of Forum projects:** The multi-year framework was based on Forum member feedback through a 2014- 2016 Planning Survey issued in June 2013, to help:
 - set a clear vision for future Forum work in an effort to achieve Steering Committee goals and objectives outlined in the [NECPUC](#) and [MACRUC](#) resolutions;
 - streamline the Forum's annual planning process;
 - outline hot and emerging topics of interest;
 - identify collaboration and information exchange opportunities across Forum states; and
 - support efforts to explore opportunities for leveraged funding with new and existing partners and organizations.
- **2014 Forum agenda and budget development:** The Forum drafted a 2014 agenda and budget for stakeholder review in September. This preliminary 2014 plan stemmed from the 2014-16 Planning Survey results. The Forum individually met with representatives from all Forum states to confirm the level of state interest in the proposed 2013 projects and to review the preliminary budget. Given late changes in funding levels from some states, the Forum adjusted its timeline and planned to bring a finalized budget to the Steering Committee for formal adoption in early 2014.
- **The Forum continued to manage the following Protocol Development projects:**
 - **Cost-Effectiveness Project:** The project contractor Synapse Economics completed a [final report of state cost effectiveness screening practices](#) in late September. The Forum presented results from the final report at the fall Steering Committee meeting, which included development of cost-effectiveness testing guidance in 2014. Forum staff is also monitoring national efforts on cost-effectiveness testing led by the [National Home Performance Council \(NHPC\)](#).
 - **Net Savings and EM&V Methods:** The Forum continued its work to develop greater transparency and consistency in EM&V methods used by Forum states to estimate both gross and net savings. These efforts included the Forum's continued work to share information about net savings practices and policy challenges, with focused effort to monitor and provide input to U.S. DOE's Uniform Methods Project and development of guidance on Net Savings Methods. The Forum engaged stakeholders to discuss how best to build upon the U.S. DOE guidance to address application of the methods and policy context for regulators. Separately, the Forum moved forward development of



standardized EM&V transparency tools to help better identify and understand program administrator EM&V practices in a simple, standard format. A sample template was created for further development in 2014 in coordination with U.S. DOE UMP efforts.

- **National EM&V Protocols:** The EM&V Forum continued its active involvement in national-level protocol development and education/information access activities. Most notably, staff participated in U.S. DOE/EPA State Energy Efficiency Action (SEE Action) EM&V Working Group and DOE Uniform Methods Project Steering Committee teleconferences. NEEP also provided draft material and input to the American National Standards Institute Energy Efficiency Standards Coordinated Council EM&V working group to help identify gaps in EM&V and reporting standards and practices.
- **The Forum continued to manage the following Research & Evaluation Projects:**
 - **Loadshape Project:**
 - **Variable frequency drive (VFD) study:** The project contractor Cadmus completed metering of VFDs in fall of 2013 for continued modeling and analysis and finalization in 2014.
 - **Commercial refrigeration:** The Forum completed a scope of work and released a request for proposal in late 2013 for the commercial refrigeration loadshape project, and planned to confirm a contractor in early 2014.
 - **Market Lift:** The contractor D&N International launched a pilot study with a retailer in Vermont and Oregon, and another pilot with a second retailer in Massachusetts. The pilot studies and final report are scheduled for completion in spring 2014.
 - **Emerging Technology Project:**
 - **Secondary research:** Completed in 2013; see above.
 - **Advanced power strips:** Completed in 2013; see above.
 - **Ductless Minisplits:** The project contractor ERS completed metering of mini-split ductless heat pumps in fall 2013, and continued to conduct follow-up interviews and collect data for the final report, expected in early 2014.
 - **Clothes dryers:** The project contractor ERS launched a primary research effort for clothes dryer baselines in fall 2013, and planned for next steps, including follow-up interviews and continued data collection.
 - **Incremental Cost Study:** NEEP confirmed and launched the 2013 Incremental Cost study, with a new cycle of measures, in summer 2013; the project contractor Navigant continued to gather data and conduct contractor surveys at year's end.
 - **Early Replacement Measures:** The project contractor Evergreen Economics hosted a kick-off meeting in mid-November to outline the project work plan. At year's end, the contractor continued to request documents and collect information from Forum members and from other organizations across the country.



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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 members](#), [federal and foundation funders](#), and [Summit Sponsors](#). We are grateful for their support, which makes this work possible.

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As of December 2013

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