







Northeast Energy Efficiency Partnerships

## 2016 Q1-Q4 Report

## Executive Summary

As NEEP celebrates twenty years of regional collaboration and partnerships to advance energy efficiency, we are proud that the region continues to be recognized as a national energy efficiency leader. We are also proud that NEEP's regional stakeholder collaboration, thought leadership, research and analyses, market transformation strategies, targeted technical assistance, and best practice resources are contributing to the region's efficiency success. As we move forward with an eye on Next Generation Energy Efficiency, NEEP shares this report to highlight some of our 2016 achievements, which flow from our 2016 agenda.

2016 NEEP Strategies		2016 NEEP Projects
 <p><b>Advancing Efficiency Innovation</b></p>	<p><i><b>Drive efficiency product, service and program innovation</b> to increase regional-scale energy savings through multi-state research, analysis and market transformation strategies; qualified product lists, technical guidelines and case studies; and best practice peer exchange.</i></p>	<ol style="list-style-type: none"> <li>1. Home Energy Management Systems</li> <li>2. Residential Air Source Heat Pumps</li> <li>3. Residential Lighting</li> <li>4. Comprehensive Multifamily Retrofit</li> <li>5. Industrial Efficiency</li> <li>6. Business Leader Recognition Program</li> <li>7. High Performance and Zero Energy Schools and Public Buildings</li> <li>8. Commercial Rooftop HVAC</li> <li>9. DesignLights Consortium and Advanced Lighting Controls</li> <li>10. Home and Building Energy Rating, Labeling and Disclosure</li> <li>11. Contractor, Realtor and Design Community Tools and Training</li> <li>12. Progressive Model Building Energy Codes</li> <li>13. State and Federal Appliance Standards</li> <li>14. Regional Energy Efficiency Database</li> <li>15. Regional Evaluation, Measurement and Verification Forum</li> <li>16. Public Policy Trends Analyses, Reports and Education</li> <li>17. Northeast Energy Efficiency Summit &amp; 20<sup>th</sup> Anniversary Celebration</li> </ol>
 <p><b>Building Efficiency Markets</b></p>	<p><i><b>Develop regional market capacities to value and deliver energy efficiency</b> through outreach, guidance and tools that provide common specifications, training, and frameworks to scale-up efficiency across states.</i></p>	
 <p><b>Updating Baselines</b></p>	<p><i><b>Increase energy savings by aligning efficiency programs with advanced building energy code initiatives and appliance standards</b> to lock-in the positive market impacts of successful efficiency programs.</i></p>	
 <p><b>Tracking Efficiency Policies &amp; Results</b></p>	<p><i><b>Keep stakeholders abreast of best practices in public policy to drive energy efficiency</b> by tracking, comparing and making accessible state efficiency policies, their implementation and results, and by highlighting key trends and issues.</i></p>	

# Events & Stakeholder Engagement

- Hosted the 2016 Northeast Energy Efficiency [Summit & 20th Anniversary Celebration](#)
- Hosted the 2016 Regional EM&V Forum [Annual Public Meeting](#)
- Hosted an [EM&V 2.0 Workshop](#) to advance knowledge & understanding of next generation EM&V
- Convened the Regional Multifamily Leadership Group Summit
- Hosted the 2016 Home Energy Management Systems (HEMS) [Workshop](#)
- Held a HEMS Workshop at the [ACI National Conference](#)
- Hosted the 2016 Air Source Heat Pump (ASHP) [Workshop](#)
- Hosted the 2016 Northeast Residential Lighting [Workshop](#)
- Hosted the [Northeast Strategic Energy Management \(SEM\) Collaborative In-Person Workshop](#)
- Hosted the annual [DLC Stakeholder Meeting](#)
- With CHPS and the MFAA, hosted the [CHPS Training: Solutions for Green Schools in Massachusetts](#)
- Hosted the [R.I. High Performance Schools Summit](#)
- Hosted the [N.H. High Performance Schools Summit](#)
- Convened the inaugural [HELIX Summit](#)
- Recognized [Business Leaders](#) at the 2016 Northeast Energy Efficiency Summit
- NEEP sponsors were recognized as winners of the [2016 ENERGY STAR Partner of the Year- Sustained Excellence Award for Qualifying Products Award](#)

# Research, Analysis, Reports & Case Studies

- Completed the sixth annual [Regional Roundup of Energy Efficiency Policy](#)
- Completed the semi-annual [Energy Efficiency Snapshot](#)
- Added Program Year 2015 data to the [Regional Energy Efficiency Database \(REED\)](#)
- Developed new REED resources, including [REED Renderings](#) – a series of blogs
- Completed the [Net Savings Research Report](#) and three associated resources
- Disseminated the [Checklist for Real Estate Professionals](#) and [Renter's Checklist for an Energy Efficient Home](#)
- Formally kicked off the [Home Energy Labeling Information Exchange \(HELIX\)](#) project
- Transitioned the DesignLights Consortium [Solid State Lighting Qualified Products List \(DLC SSL QPL\)](#) to version 3.0/3.1, which included 266,476 products by year end
- Released DLC [Technical Requirements Version 4.1](#)
- Added new systems to the [Networked Lighting Controls Qualified Products List \(NLC QPL\)](#), which included 15 systems by year end
- DLC released several policy updates: Revisions to the [Private Labeling/Multiple Listing Policy](#); clarifications on Rated Data for [Single Product Applications](#) and [Family Grouping Applications](#), [Adoption of ANSI C78.377-2015](#), and the [Surveillance Testing Policy](#)
- Several Advanced Lighting Controls demonstration projects were installed by year end
- Phase I of the [NLC Data Analysis Project](#) moved forward
- Completed the draft [ALC installer training curriculum](#)
- Completed the [Roadmap to Zero Energy Public Buildings: Progress Report](#)
- Updated the [Comprehensive Regional Multifamily Program Matrix](#)
- Completed a Residential Lighting EM&V 2.0 [Brief](#)
- Finalized [ccASHP Specification Version 2.0](#)
- Completed the 2016 [‘State of the Market’ Residential Lighting Brief](#)
- Published the Fall 2016 [Policy Tracker](#)
- Published a [Resource Directory](#) and [Issue Briefs](#) on the New York Reforming the Energy Vision proceedings and orders

# Research, Analysis, Reports & Case Studies

(cont'd)

- Contributed to the [ACEEE report on Emerging Tech Incremental Costs](#)
- Published an AESP Magazine article [“The United States of Energy Efficiency”](#)
- Published an [Issue Brief](#) on the Vermont PSB Docket 8550 order on “Energy Transformation”
- Released [Multifamily Energy Efficiency Retrofits: Barriers and Opportunities for Deep Energy Savings](#), in collaboration with other REEOs MEEA, SEEA, SPEER, and SWEEP
- With the U.S. EPA and other partners, developed a new [ENERGY STAR specification for connected thermostats](#)
- Updated the [HEMS Technology Assessment](#)
- The ccASHP [specification and associated list](#) included 215 products by year end
- Developed a [Strategic Energy Management for Energy Efficiency Program Primer](#)
- Northeast Business Leaders success stories were published in [MFRTech](#), [WN.com](#), [DCSEU news portal](#), [TF Green Airport website](#), [VT Digger](#), [Progressive Grocer](#), and [Solar Novus Today](#)
- Released [Public Sector Building Energy Benchmarking: Utility Data Access Options and Opportunities](#)
- Developed high performance school and city exemplars for: [Howe-Manning Elementary School](#); [Maynard High School](#); [Kingswood Regional Schools](#); [Wilbur-McMahon School](#); and the [City of Providence](#)
- Tracked California’s standards for computers, computer monitors, and signage displays, submitting public comments in [May](#) and [October](#) in support
- Began a research project with Connecticut DEEP and others, funded by U.S. DOE, on advanced analytics as an EM&V resource
- Completed the [Incremental Cost study](#) which looked at 10 diverse categories of technologies
- Released the [Mid-Atlantic Technical Reference Manual Version 6.0](#)
- Completed the most recent [Loadshape Catalogue](#) and accompanying [Brief Report](#)
- Published [Scoping the Certification of Energy Program Impact Evaluators](#)

# Regional Market Transformation Strategies

- Completed [Northeast/Mid-Atlantic Industrial Sector Report: Market Assessment and Recommended Strategies to Accelerate Energy Efficiency](#)
- Completed [Home Energy Management Systems \(HEMS\) Regional Market Transformation Strategy Report](#)
- Published [Northeast/Mid-Atlantic Air-Source Heat Pump \(ASHP\) Market Transformation Strategies Report](#)
- The DesignLights Consortium became an independent 501(c)(3) organization in 2017 and launched a new [website](#)

# Technical Assistance & Resource Centers

- Built and shared expertise on the integration of Energy Efficiency with Demand Side Resources
- Supported efforts to increase energy code efficiency in Maine, Massachusetts, New Hampshire, Connecticut, New York, and Rhode Island
- Supported innovative building energy projects in New York with comments on the [Tompkins County Home Energy Rating Disclosure pilot](#)
- Provided guidance in New Hampshire and Rhode Island on their building energy labeling efforts
- Engaged in the U.S. DOE's General Service Lighting Notice of Proposed Rulemaking
- Led development of the [2020 Leadership Agenda for Existing Commercial and Multifamily Buildings](#) for the [SEE Action Existing Commercial Buildings Working Group](#)
- Served as technical advisor to the N.H. Public Utility Commission's Energy Efficiency as a Resource Standard proceeding
- Provided technical assistance to Portland and South Portland, Maine to inform clean energy plans and policy formation
- Served as facilitator and technical advisor to the R.I. High Performance Schools Working Group
- Provided resources to Vermont DPS's Energy Codes Compliance Collaborative
- Served as technical advisor to the Rhode Island Zero Energy Task Force
- Promoted state-level [appliance efficiency standards](#)
- Provided [feedback](#) to ISO-New England on its draft 2016 Energy Efficiency Forecast
- Published and provided an [Issue Brief](#) on best practices in industrial energy efficiency programs to the Delaware Energy Efficiency Advisory Council
- Provided [feedback](#) at the request of Connecticut DEEP on the state's Comprehensive Energy Strategy, as well as to the state's Energy Efficiency Advisory Board on the updates to the [2016-2018 Conservation and Load Management Plan](#)
- Provided feedback on the development of the FY17 Comprehensive Resource Analysis Straw Proposal and Compliance Filings for New Jersey's Clean Energy Program at the request of the U.S. EPA
- Served as facilitator and advisor to [Pennsylvania Department of Environmental Protection's Energy Codes Compliance Collaborative](#)
- Contributed to the process of developing federal standards for general service lighting
- Advanced research and analysis in the HEMS space through market characterization of smart thermostats and training on smart homes
- Provided technical assistance to regional program administrators in Massachusetts, Rhode Island, Connecticut, and New York
- Submitted public comments to support adoption of quality efficient lighting in



# Technical Assistance & Resource Centers

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states throughout the Northeast and Mid-Atlantic

- Engaged with the ENERGY STAR Retail Products Platform (RPP)
- Provided technical assistance to municipal stakeholders throughout the region to improve energy efficiency
- Served as facilitator and technical advisor to the R.I. High Performance Schools Working Group
- Advanced zero energy buildings and homes in Rhode Island through participation in [R.I. Zero Net Energy Council](#)
- Worked to make zero energy schools the norm through partnership in U.S. DOE [Better Buildings Zero Energy Schools Accelerator](#)
- Guided Connecticut toward residential market transformation through support to Connecticut DEEP in efforts to achieve greater engagement of the real estate community
- Supported implementation and improvement of U.S. DOE's asset rating tools
- Provided resources and support to energy code collaboratives in Delaware, New Hampshire, Vermont, Rhode Island, Connecticut, Maryland, and Pennsylvania
- Supported stretch energy codes in Massachusetts, Vermont, Rhode Island, and New York
- Provided direct code compliance and enforcement support to Maryland, Delaware, and the District of Columbia
- Participated in appliance standards federal rulemakings and co-signed comment letters to U.S. DOE for uninterruptable power supplies, portable air conditioners, residential central air conditioners/heat pumps, compressors, commercial water heaters, and residential gas furnaces
- Led [joint stakeholder comments](#) on U.S. EPA's Draft Clean Power Plan 111(d) Model Rule and EM&V Guidance
- Served as a resource to policymakers, providing technical assistance and sharing best practices
- Served as technical advisor to the N.H. Public Utility Commission's Energy Efficiency as a Resource Standard proceeding
- Provided in-person working group technical assistance in New Hampshire's Grid Modernization working group



# Working Groups

- Home Energy Management Systems Working Group
- Cold Climate Air Source Heat Pump Working Group
- Residential Lighting & Retail Products Working Group
- Multifamily Retrofit Working Group
- High Performance Schools, Public Buildings & Communities Working Group
- Industrial Energy Efficiency/Strategic Energy Management Working Group
- HELIX Advisory Committee
- Building Energy Codes Working Group
- Appliance Standards Working Group
- Regional EM&V Forum Steering Committee & Project Committees
- DLC Industry Advisory Committee
- DLC SSL Technical Committee
- DLC NLC Advisory Committee
- DLC Controls Data Project Advisory Group
- DLC Stakeholder Meeting Advisory Committee

# Q1-Q4 Web Metrics

## 2015 Unique Visitors

41,741

## 2016 Unique Visitors

45,346 ↑ (8.6%)

## 2015 Page Views

133,591

## 2016 Page Views

165,695 ↑ (24%)

## Inbound Traffic

### Organic Search

Traffic sourced without the use of paid advertisements.

### Direct

Typing a URL directly into the browser, using a bookmark, or non-tracked links in emails, PDFs, etc.

### Referral

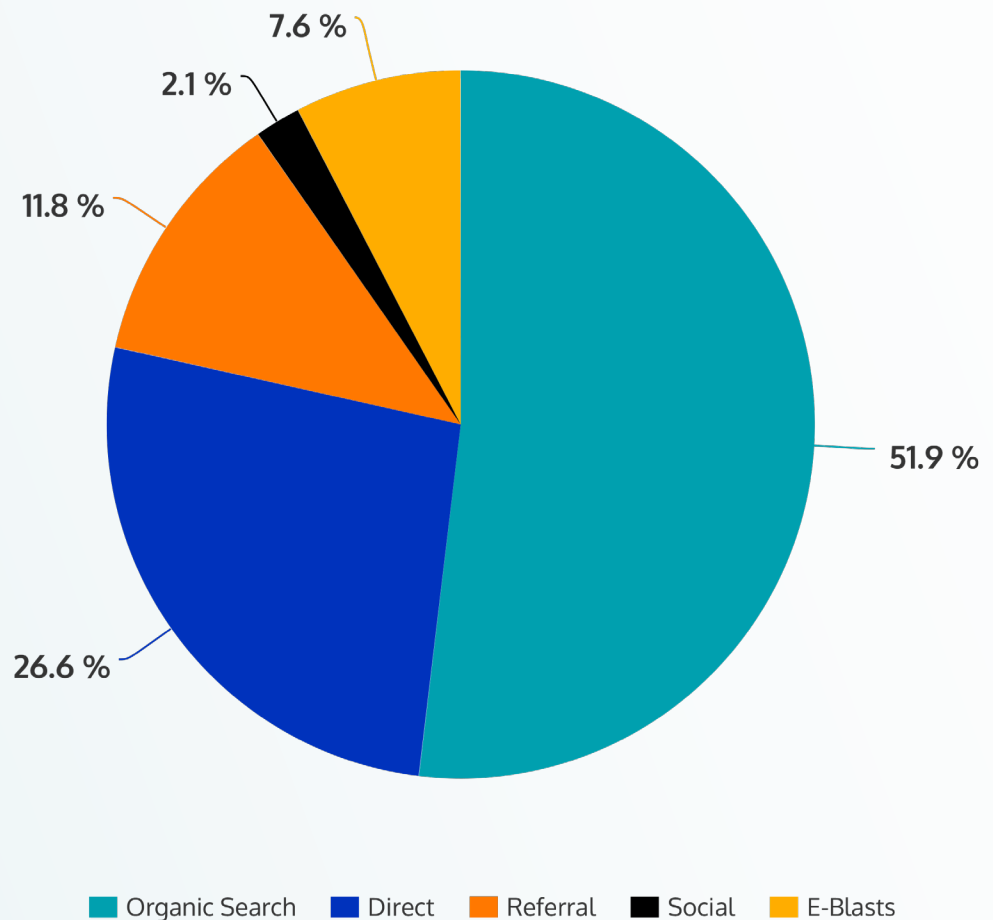
Traffic originating from another website.

### E-Blasts

Impressions directed from tracked links in our email communications

### Social

Traffic originating from social media outlets e.g. Twitter, Facebook, LinkedIn, Pinterest, etc.



# Q1-Q4 Web Metrics

2015 Total Downloads

9,727

2016 Total Downloads

15,902  (63.5%)



13,057

PDF DOWNLOADS



2,309

EXCEL DOWNLOADS



250

DOC DOWNLOADS

## Top Blogs

1. Winter-Proof Heat Pumps (Bresler)
2. Changing Guards in Residential Lighting (Miziolek)
3. A "YUGE" Deal in NY (Buckley)
4. 10 Important Details About NYREV (Buckley)
5. What Is ASHRAE Standard 90.2? (Webster)

## Top Downloads

1. ccASHP Specification
2. The Changing EM&V Paradigm
3. Mid-Atlantic TRM V5
4. 2016 Regional Roundup
5. 2016 Heat Pump Incentive Summary

## Top Media Hits

[Vox](#) (March 20, 2016) – *Can low-income housing be efficient and affordable?*

[Inside Climate News](#) (April 4, 2016) – *Another \$1.2 billion substation? No thanks, says utility, we'll find a better way*

[Multi-Housing News](#) (April 27, 2016) – *Is it time for an energy retrofit?*

[Energy Manager Today](#) (August 16, 2016) – *The DesignLights Consortium amps up its networking initiatives*

[Public Power Daily](#) (July 15, 2016) – *Evaluation metrics vital to success of efficiency measures, experts say*

[Newburyport Daily News](#) (September 16, 2016) – *Bresnahan honored as high performance school*



# Q1-Q4 Web Metrics



**39.6**

NEW USERS  
PER DAY



**82%**

NEW  
SESSIONS



**36.9%**

OUTSIDE REGION  
TRAFFIC

## Leaders By State

1. Massachusetts
2. New York
3. California
4. Vermont
5. DC

## Leaders By City

1. Boston
2. Washington
3. New York
4. Ashburn
5. Burlington

## Top Cities in Massachusetts

1. Boston
2. Waltham
3. Cambridge
4. Lexington
5. Concord