



EM&V Forum Releases New Research and Evaluation Project Results

The EM&V Forum recently completed three major studies that provide valuable load shape and savings data. These large, expensive projects were made possible through the Forum's ability to leverage resources from its 10 member states.

The [Unitary HVAC Load Shape Study](#) and the [Commercial Lighting Load Shape Study](#) developed weather normalized load shapes representative of hourly savings for efficient commercial unitary HVAC equipment and commercial lighting equipment promoted by

"These three studies give program administrators and system planners across the region the data they need to prove the value that efficiency programs bring to the Northeast region. The EM&V Forum continues to provide strong leadership as the Northeast implements new programs and policies to advance energy efficiency."

Sue Coakley
Executive Director, NEEP

efficiency programs in New England, New York and the mid-Atlantic. They also reported coincidence factors for peak periods as defined by system operators for the forward capacity markets. Each study includes a spreadsheet tool that allows calculation of coincidence factors and savings estimates based on user-specified inputs and the 8,760 [HVAC](#) and [commercial lighting](#) load shapes, which may be useful for energy efficiency program purposes as well as for environmental studies.

"The load shape projects are examples of the potential of the EM&V Forum to provide high quality results using consistent methods at a lower cost than each utility would have spent had they done the projects on their own," said David Jacobson, EM&V Forum Project Committee Co-chair and Manager of Evaluation at National Grid.

The [Commercial Lighting Measure Persistence Study](#) estimated the effective useful life (aka measure life) of CFL bulbs and fixtures, LED exit signs, HID fixtures, and T8 fixtures installed by commercial and industrial lighting programs over many years in New England and New York. These results update documentation that can be used to support submissions to the ISO-NE Forward Capacity Market and inform estimates of efficiency program savings.

Completion of these three projects underscores the importance of collaboration amongst the Forum states to continue to build the credibility of efficiency as a viable resource.

"As efficiency becomes an increasingly prominent strategy in energy policy and climate change mitigation efforts across the country, the EM&V Forum will continue to foster collaboration amongst the states in the region to develop and share data that proves the value of efficiency as a resource," said Julie Michals, Director of the EM&V Forum.

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To learn more about the EM&V Forum, visit the [Regional EM&V Forum Website](#)

Calendar of EM&V and Other Energy Efficiency Meetings

August 15-18, 2011: [IEPEC Conference](#) in Boston, MA

September 8, 2011: [AESB Brown Bag—Regional Research Projects](#)

September 18-22, 2011: [E-Source Forum](#) in Denver, CO

September 22, 2011: EM&V Forum [Quarterly Steering Committee Teleconference](#)

September 25-27, 2011: [ACEEE EE as a Resource Conference](#) in Denver, CO

October 12, 2011: EM&V Forum [Annual Public Meeting](#) in Albany, NY

November 17, 2011: EM&V Forum [Quarterly Project Committees Teleconference](#)

November 30-December 2, 2011: [BECC Conference](#) in Washington, DC



2012-2014 Forum Planning Underway

Earlier this summer, a third-party Regional EM&V Forum Evaluation was conducted to assess and document the Forum's activities and accomplishments to date, the extent to which it is meeting its value proposition, and to inform strategic planning for Forum structure, function, scope and funding going forward. The Evaluation results were largely positive and concluded that the Forum should continue beyond 2011 with generally the same scope and construct, and some modifications in emphasis.

Given the outcome of the Forum Evaluation, NEEP is currently developing the next EM&V Forum three year plan (2012-2014) and 2012 project agenda and budget, which will be presented to the Forum Steering Committee for initial review at its next quarterly meeting in September.

The 2012-2014 plan proposes to maintain the Forum's core functions: protocol development, research and evaluation, and education and information access, with a shift in focus in some key areas. For example, a shift from protocol development to implementation, and increased education and information access activities are proposed to encourage the use and implementation of Forum products. The Forum will continue to focus on leveraging funds to conduct joint research and evaluation studies.

To develop the draft 2012 agenda, NEEP is issuing a survey in August to Forum participants that will identify priority projects for 2012, as well as projects to consider for 2013-2014. The survey project list is based on feedback from the Forum Evaluation, input from Forum participants provided throughout the year and/or projects that are follow-up phases to current or recently completed projects.

Forum participants will have an opportunity to review the 2012-2014 Plan and 2012 Forum agenda this fall before NEEP seeks final Steering Committee approval in December.

2011 Annual Public Meeting – October 12 in Albany, New York

The 2011 EM&V Forum Annual Public Meeting will be held on Wednesday, October 12, 2011 from 9:30am–4:15pm at the Holiday Inn Express Downtown in Albany, New York. Agenda topics will include:

- **State of the Forum: *Achievements in First Three Years (2009-2011)***
- **Cost Effectiveness Testing: *Is it Time to Modify and Why?***
- **National EM&V Project Update: *State Energy Efficiency Action Plan***
- **Incorporating Energy Efficiency into Regional System Planning - Part 2: *Where are we a year later with efforts to more comprehensively integrate EE into system planning, and how can these efforts interface with Forum products and air quality planning?***
- **Gearing up for 2012-2014 - What's Next?: *Preview of Forum's New Three Year Plan: Focused implementation, new R&E projects, efficiency data and analysis***

Registration information is forthcoming later this month on the [Forum website](#).

View all of the completed
Regional EM&V Forum

[Protocol Development
and
Research and Evaluation
Products](#)

EM&V Forum Evaluation Highlights

Evergreen Economics conducted the EM&V Forum Evaluation to assess progress toward Forum goals, and identify what aspects to start, stop, continue or modify.

The results are based on 18 in-depth interviews and 72 online survey responses from Forum participants.

Key conclusions include:

- Forum to continue, with some modifications
- High quality work products, but challenges with implementation
- Large Forum agenda makes participation challenging
- Preference for focused research and evaluation
- Forum is enhancing EE credibility

Read the Forum Evaluation [Final Report](#).

Meeting notes and action items from previous quarterly Steering Committee meetings and quarterly Project Committees meetings are posted to the EM&V Forum website:

[Steering Committee Meeting
Notes & Action Items](#)

[Project Committees Meeting
Notes & Action Items](#)



Regional Energy Efficiency Database (REED) Project is Launched

As a follow-up to the [Common Statewide EE Reporting Guidelines](#) that were adopted by the EM&V Forum Steering Committee last year, the Forum is conducting a project to develop a regional energy efficiency database and web-based reporting interface. This will allow Forum states to report their statewide efficiency impacts (savings, costs, and associated avoided emissions and job impacts) using the Guidelines' reporting parameters, and for stakeholders to access/view interactive reports and supporting data.

Peregrine Energy Group, the contractor selected to build the reporting system, will develop and test the data collection tool and reporting database starting in August and throughout the fall, with an anticipated database launch data in January 2012. This schedule will allow states to report their 2011 efficiency impacts in early 2012, as was recommended by the Steering Committee last year. The newly developed REED will provide access to consistently reported and transparent energy efficiency data to a wide range of stakeholders, including energy and environmental policymakers, system planners, program administrators, NGOs and others.

EM&V Methods for Emerging Technologies

This project also recently launched and will result in common savings assumptions, savings algorithms and EM&V methods for estimating savings for a list of priority emerging energy efficiency technologies and systems-oriented program approaches. The project builds on the Forum's [Regional EM&V Methods & Savings Assumptions Guidelines](#).

The project subcommittee selected Energy & Resource Solutions (ERS) as the contractor for this project, which kicked off in late July. ERS was selected due to its strong and experienced team and significant focus on primary research. The ERS team will review existing studies and data for priority emerging technologies identified by the subcommittee, and conduct primary research on up to four of those technologies. Secondary and primary research will take place throughout the fall and winter, with a final report scheduled for March 2012.

National EM&V Update

NEEP staff continue to participate in two national EM&V projects, the US DOE/EPA SEE Action EM&V project, and the NAESB M&V Standards/Best Practices project. Forum staff participation in both SEE Action and NAESB has raised concerns about duplicative efforts between the two projects. Both efforts are continuing to move forward, with agreement from US DOE and NAESB to coordinate their efforts and communicate regularly.

US DOE/EPA SEE Action EM&V Project: The SEE Action working group is engaged in three main projects:

- *Common National EE Reporting*—This effort is focusing on review and improvement of EIA Form 861. The comments provided by the SEE Action working group to EIA staff will help inform changes to Form 861 for reporting in 2013.
- *Uniform Methods Project*—US DOE is building a technical committee and Steering Committee to guide the development of a measure specific uniform methods document that is expected to be similar to the Forum's [Regional EM&V Methods & Savings Assumptions Guidelines](#).
- *National EE Savings Database*—US DOE is working to finalize a scoping study for a national EE savings database. Database development is expected to begin this fall.

NAESB M&V Standards/Best Practices: Forum staff have been participating in both the retail and wholesale working groups to develop EE M&V standards/best practices. As we shared in the Forum April newsletter, the final draft wholesale EE M&V standards were approved by vote in a NAESB Executive Committee meeting on March 21. The adopted standards are modeled on the ISO-NE Forward Capacity M&V Manual.



On the retail side, the [draft retail EE M&V model business practices](#) (MBPs) are currently out for informal comment, with comments due to NAESB by August 19. A formal comment period is expected in September, followed by NAESB Executive Committee review in October. NEEP staff are involved in drafting the MBPs, which provide high level guidance for conducting EM&V. The draft MBPs are largely compatible with various Forum products, including the [EM&V Glossary](#), [Regional EM&V Methods & Savings Assumptions Guidelines](#), and [Common Statewide EE Reporting Guidelines](#).

Thank You Forum Funders:
(current and past)

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Rhode Island
National Grid

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Department of Public Service

US Department of Energy
US Environmental Protection Agency

The Energy Foundation
Conservation Services Group

The Forum also includes many participants beyond the Forum funders who serve an important role in advising and informing Forum projects and plans. View a list of [Forum Participants](#).

Consider Joining the NEEP Partners Program

NEEP's Partners Program provides your organization with visibility, affiliation and an opportunity to support the work and mission of NEEP.

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