



## EM&V Forum Steering Committee Adopts 2010 Project Agenda and Budget

At its last quarterly meeting on October 27, 2009, the EM&V Forum Steering Committee adopted the proposed 2010 Forum project agenda and an estimated budget of \$2.345 million. The Steering Committee decision reflects current state interest in the various projects, and subsequent consideration will be made by the states for their support and financial commitment in a manner appropriate to each.

The 2010 project agenda includes five Protocol Development projects and five Research and Evaluation projects in addition to Education and Information Access activities and ongoing Forum Operations. Several of the 2010 projects draw on or complement the findings from 2009 projects, and some are considered second phases of 2009 projects.

*"The Forum's 2010 projects build on the 2009 projects and reflect a wide range of important EM&V issues including monitoring and informing national protocol development, understanding energy savings associated with codes and standards, and loadshape research to support wholesale capacity market and air regulatory needs."*

Julie Michals,  
EM&V Forum Director

common EM&V protocols and savings assumptions, provide cost efficiencies for states' EM&V activities, and help ensure consistent, robust results in assessing the accuracy of demand-side resource impacts.

The Education & Information Access activities will ensure that Forum products are publicly available, easily accessible, and understood through various venues.

Now that the Steering Committee has adopted the proposed 2010 project agenda and estimated budget, NEEP will convene project subcommittees for each 2010 project over the next few months. The project subcommittees play the critical role of informing the full development of project scopes.

The Protocol Development projects will develop common EM&V protocols or guidelines that support the calculation of energy efficiency and other demand-side resource impacts, including energy and demand savings, costs, and emissions, and the tracking and reporting of such impacts to support state and regional energy and environmental policy goals.

The Research and Evaluation projects will inform the development and use of

### This Issue Includes:

EM&V Forum Steering Committee Adopts 2010 Project Agenda and Budget

2009 Forum Projects Update

- Protocol Development
- Research & Evaluation

EM&V Resource Library

Special Thanks to Departing 2009 EM&V Forum Co-chairs

New EM&V Forum Website

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

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

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

For more information about the EM&V Forum's 2010 project agenda, please view the:

[2010 EM&V Forum Project Agenda Overview](#)



## 2009 EM&V Forum Projects Update

All except for one of the 2009 EM&V Forum projects are currently underway or have already been completed, and some carry over into 2010 and are slated for completion by mid-year. The following section provides more information about the status of the 2009 projects.

### Protocol Development Projects

**A1: *Glossary of EM&V Terms & Definitions*:** Completed and adopted by the Steering Committee in March 2009. View the Glossary [here](#).

**A2: *Develop Common EM&V Methods Guidelines and Survey Savings Assumptions*:** KEMA, the contractor for this project, has conducted interviews with program administrators and EM&V experts regarding EM&V methods used to estimate/calculate savings for a set of priority measures or program types. KEMA has also completed its review and comparison of savings assumptions and algorithms for the priority set of measures. Forum participants are currently reviewing draft reports. In February 2010, KEMA will develop guidelines for recommended EM&V methods and savings assumptions, including recommended levels of savings rigor, for Project Committee consideration and ultimately Steering Committee adoption.

The results of the A2: EM&V Methods project will inform two national M&V protocol discussions. The [North American Energy Standards Board \(NAESB\)](#) is currently convening subcommittees for its M&V project to address retail and wholesale M&V for energy efficiency. NEEP gave a presentation at a November NAESB meeting about how the EM&V Methods project can help inform NAESB's efforts, and 2010 EM&V Forum funding will be used for NEEP to actively participate in the NAESB M&V project throughout the year. The [National Action Plan for Energy Efficiency \(NAPEE\)](#) is also engaged in a national EM&V project. NAPEE has conducted surveys to identify national EM&V needs and priorities and is working with a Technical Resource Group that includes many Forum participants to help focus its efforts. The findings from the EM&V Methods project will help inform the NAPEE project as it further refines the EM&V priority areas to be addressed on a national level.

A final report and guidelines from Project A2: EM&V Methods will be available in mid-2010. For more information about this project, view the [RFP](#) or contact [Julie Michals](#).

**A3: *Survey Existing Energy Efficiency Savings Reporting Requirements and Needs, and Develop Common Reporting Guidelines*:** The Nexus Market Research team has researched existing state and regional energy efficiency reporting requirements and practices, and is identifying energy efficiency data needs to support state/regional environmental policies and energy planning systems through interviews and secondary sources. The contractor will synthesize feedback and research in February 2010, and will develop final recommended energy efficiency reporting guidelines and a reporting template by the end of March 2010. For more information about this project, view the [RFP](#) or contact [Julie Michals](#).

**A4: *M&V Protocol Development in Wholesale Capacity Markets*:** As mentioned in the Project A2 update, NEEP has been actively participating in North American Energy Standards Board (NAESB) meetings to develop M&V standards/model best practices for wholesale and retail energy efficiency. This effort will continue in 2010. NEEP has also actively participated in [PJM Energy Efficiency Task Force \(EETF\)](#) meetings throughout 2009 and continues to monitor activities of the NE-ISO pertaining to M&V for energy efficiency in the Forward Capacity Market. For more information about this project, contact [Julie Michals](#).

**A5: *Develop Common Savings Assumptions/Technical Reference Manual - Mid-Atlantic States*:** This project, to develop a Technical Resource Manual (TRM) for Maryland, Delaware, and the District of Columbia for a set of priority measures, is well underway. Vermont Energy Investment Corporation, the project contractor, and the project subcommittee have selected a list of 30 priority measures for inclusion in the TRM. Several



subcommittee meetings took place throughout the fall of 2009 and will continue this winter. The TRM is expected to be completed by March 2010. For more information about this project, view the [RFP](#) or contact [Elizabeth Titus](#).

## Research and Evaluation Projects

**B1: Phase 1 - Catalog Loadshape Data:** The final report and catalog of existing studies with loadshape data from North America was completed in October 2009. The report identifies and assesses the existence and availability of loadshape data for use in meeting energy efficiency, wholesale capacity market, and air regulatory program needs. It recommends short, medium, and long-term strategies to fill gaps in loadshape data needs. For more information, view the [final project materials](#) or contact [Elizabeth Titus](#).

**B1: Phase 2 - Develop/Collect Loadshape Data to meet Regional Needs:** Concurrent with the completion of the Phase 1 materials, NEEP distributed a survey to Forum participants to ascertain priority loadshape data needs in the region. The survey and the Phase 1 report were used to develop proposed scopes of work for two Phase 2 RFPs: one for lighting loadshape data (largely secondary data), and one for unitary HVAC loadshape data (largely primary data). The lighting RFP was released in December 2009, and the project subcommittee will select the winning bidder in January 2010. For more information about this project, view the lighting [RFP](#) or contact [Elizabeth Titus](#). The unitary HVAC RFP is under development and will be released in January 2010.

**B2: C&I Lighting Measure Life and Persistence Project:** KEMA, the contractor for this project, and the project subcommittee held several meetings throughout the fall of 2009, and meetings will continue this winter. The project subcommittee recommended increasing the sample size beyond the 100 sites that the 2009 budget supports, subject to availability of appropriate program data from sponsors. Data collection is now taking place, and KEMA will develop a detailed sample plan for the project in January/February 2010 based on the results of this data collection effort. For more information about this project, view the [RFP](#) or contact [Elizabeth Titus](#).

**B3: Two Scoping Projects: Survey Net Savings Methods and Issues; Impact of Codes and Standards on Advancing Energy Efficiency:** An RFP for the net savings project was issued in early January 2010. The goal of the net savings project is to produce a scoping paper that informs and supports the EM&V Forum's goal of increasing regional consistency in EM&V practices, with respect to defining and estimating energy efficiency program net savings. This project is based on the premise that the development and adoption of common definitions, evaluation/measurement tools, methods, and reporting of net savings from energy efficiency projects and programs would increase the effectiveness of current and evolving energy efficiency program policy, design, and implementation in the region. For more information about this project, view the [RFP](#) or contact [Elizabeth Titus](#).

The impact of building codes on advancing energy efficiency project will likely evolve from a scoping paper envisioned for 2009 to a more comprehensive project for 2010, building on current efforts being undertaken in Massachusetts. This project may potentially be co-funded by US EPA.

---

## EM&V Resource Library

The [EM&V Resource Library](#) is now available on the EM&V Forum's website.

The Resource Library is a collection of EM&V related information that is readily available online, up-to-date, and in a user friendly format. The Library is targeted to a wide audience including Forum participants/subscribers, policymakers, regulatory staff, system planners, program administrators, and Forum observers.

One of the main components of the Library is a [Repository](#) of state and topical EM&V studies that provides public access to energy efficiency data across the northeast and Mid-Atlantic regions. The Repository includes



state Technical Resource Manuals or equivalent, as well as evaluation studies and reports for all jurisdictions that participate in the Regional EM&V Forum. Links are provided to existing EM&V websites such as the Consortium for Energy Efficiency's (CEE) Market Assessment and Program Evaluation Clearinghouse, a searchable database of evaluation reports, and other sites where relevant information or studies are posted.

The EM&V Resource Library also includes pages on the EM&V Forum's website for state, regional, and national EM&V Policies and Activities. The [State EM&V Policies and Activities](#) page provides information about the evaluation process in each participating jurisdiction and links to orders/decisions that establish/affect EM&V standards. The [Regional EM&V Policies and Activities](#) page provides links to regional EM&V efforts, such as the ISO-NE M&V Demand Resources Working Group (DRWG), and the PJM M&V Energy Efficiency Task Force (EETF). The [National EM&V Policies and Activities](#) page provides links to national EM&V efforts including the National Action Plan for Energy Efficiency (NAPEE) and the North American Energy Standards Board (NAESB) M&V project.

Please contact [Cecily McChalicher](#) with any questions or suggested additions to the EM&V Resource Library.

### EM&V Resource Library Highlights

The EM&V Resource Library is now available on the EM&V Forum's website.

The Library provides easy access to up-to-date, user friendly, publicly available EM&V information.

The Resource Library includes:

- Repository of State and Topical EM&V Studies
- State EM&V Policies and Activities
- Regional EM&V Policies and Activities
- National EM&V Policies and Activities

## Special Thanks to Departing 2009 EM&V Forum Co-Chairs

The EM&V Forum would like to extend a special thanks to its departing 2009 Steering Committee and Project Committee co-chairs, all of whom have provided the EM&V Forum with excellent leadership during their tenure as co-chairs:

**Sharon Reishus**, Chair of the Maine Public Utilities Commission, EM&V Forum Steering Committee co-chair.

**Carol White**, National Grid, EM&V Forum Project Committee co-chair (Protocol Development).

**Jeremy Newberger**, National Grid, EM&V Forum Project Committee co-chair (Research & Evaluation).

**Colleen Orsburn**, Vermont Energy Investment Corporation, EM&V Forum Project Committee co-chair (Research & Evaluation).

The EM&V Forum will announce new co-chairs in its next quarterly newsletter.

The EM&V Forum would like to thank its 2009 co-chairs :

### Steering Committee Co-chairs

**Rich Sedano**  
Regulatory Assistance Project and  
NEEP Board Member

**Sharon Reishus**  
Chair, Maine Public Utilities  
Commission

### Project Committee Co-chairs

**Carol White & Jeremy Newberger**  
National Grid

**Chris Neme & Colleen Orsburn**  
Vermont Energy Investment Corp.

**Larry Pakenas & Jennifer Meissner**  
New York State Energy Research  
and Development Authority

**Mike Sherman**  
MA Department of  
Energy Resources



## New EM&V Forum Website

The new EM&V Forum website was launched in early October 2009 as part of a larger effort to redesign the entire Northeast Energy Efficiency Partnerships website: [www.neep.org](http://www.neep.org).

Please visit the [EM&V Forum website](#) for information about 2009 projects, the 2010 project agenda, Steering Committee and Project Committee meeting notes, RFPs, and final EM&V Forum products.

The new website also features a private portal where Forum participants can access project subcommittee meeting information and review and comment on draft project materials. The Forum's private portal allows NEEP to be more energy efficient since it eliminates the need to send project materials to subcommittee members via email attachments. Sending email attachments contributes to the energy use associated with data centers/servers, which is increasing significantly. According to the US EPA, data centers accounted for 1.5 percent of U.S. electricity consumption in 2006, twice as much as data centers consumed in 2000. If the current trend continues, data center energy use will continue to grow by 12% per year. By using the private portals instead of sending numerous email attachments, NEEP is doing its part to curtail the growth in data center energy use.

### Thank you Forum Funders:

*Connecticut*  
*CT Energy Efficiency Fund*  
*Delaware*  
*Energy Office*  
*District of Columbia*  
*Pepco Holdings, Inc.*  
*District Department of the Environment*  
*Maine*  
*Public Utilities Commission*  
*Maryland*  
*Maryland Energy Administration*  
*Massachusetts*  
*National Grid*  
*NSTAR*  
*Western Mass Electric Co.*  
*Cape Light Compact*  
*Unitil*  
*New Hampshire*  
*Public Service of New Hampshire*  
*Unitil*  
*National Grid*

*New Hampshire Electric Co-op*  
*New Jersey*  
*Board of Public Utilities*  
*New York*  
*NY State Energy Research & Development Authority*  
*New York Power Authority*  
*Long Island Power Authority*  
*Rhode Island*  
*National Grid*  
*Vermont*  
*Department of Public Service*  
*US Department of Energy*  
*US Environmental Protection Agency*  
*The Energy Foundation*

*Forum Subscribers*  
*Conservation Services Group*  
*Edison Foundation - Institute for Electric Efficiency*  
*National Association of Energy Service Companies*  
*North American Insulation Manufacturers Association*

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

### Join 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.

For more information about joining the NEEP Partners Program, please contact:

[Laura DeAngelo](#)  
NEEP Development Manager

## EM&V Forum Staff Contacts

For more information about the Regional EM&V Forum, please contact:

Julie Michals, EM&V Forum Director, at [jmichals@neep.org](mailto:jmichals@neep.org)  
Elizabeth Titus, Research & Evaluation Manager, at [etitus@neep.org](mailto:etitus@neep.org)  
Cecily McChalicher, EM&V Forum Associate, at [cmchalicher@neep.org](mailto:cmchalicher@neep.org)