



2011 EM&V Forum Annual Public Meeting

On October 12, nearly 100 people from across the region and beyond gathered in Albany, New York for the 2011 EM&V Forum Annual Public Meeting. Through presentations and panel discussions, attendees learned about the Forum's accomplishments to date, its next three year plan (2012-2014), and two hot topics: the future of cost effectiveness testing and integrating energy efficiency into regional system planning.

Chairman Garry Brown of the New York Public Service Commission highlighted the importance of the EM&V Forum in his introductory comments. He stated that energy efficiency offers value to New York ratepayers because it stops the pattern of increased demand for energy, and EM&V is very important in order to ensure that energy efficiency programs have tangible results that can be relied upon. He added that evaluation should not be invented by every program administrator, utility, state and ISO/RTO. The EM&V Forum, therefore, is incredibly important because it recognizes the need for and creates common approaches to EM&V. Moreover, the results and data from Forum projects provide more benefit to participants than they cost.



"Credible energy efficiency programs combined with credible EM&V programs provide the basis to truly make energy efficiency the fundamental foundation of meeting our energy needs."

"New York provides about 28% of Forum funding, but in many ways we get more back than we spend."

Garry Brown
Chairman, NY PSC

Forum Steering Committee co-chairs Rich Sedano (Regulatory Assistance Project) and Commissioner Paul Roberti (Rhode Island Public Utilities Commission) also provided introductory comments that touched on the importance of the EM&V Forum in building increased credibility of energy efficiency as a resource.

Past and Future of the EM&V Forum
EM&V Forum staff and several active

Forum participants summarized many key accomplishments as well as the future vision for the Forum. To date, the Forum has completed numerous projects, including a mix of protocol/guideline development and research and evaluation projects. Materials from all completed Forum projects are available on the Forum's [Products and Guidelines](#) webpage. Forum participants have put the results of the Forum's research and evaluation projects immediately to use, while the implementation of protocol development projects is a longer-term effort. The Forum has also provided value to Forum participants through its education and information access efforts which include the [EM&V Resource Library](#).

The Forum's new three year plan (2012-14) will build on the results of a formal, third party evaluation of the Forum. The evaluation revealed strong support for the Forum to continue its project focus areas and op-

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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

November 11, 2011: [Deadline for 2012 IEPEC Abstract Submissions](#)

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

November 30-December 2, 2011: [Behavior Energy and Climate Change Conference](#) in Washington, DC

December 8, 2011: [EM&V Forum Quarterly Steering Committee Teleconference](#)

December 8, 2011: [EVO Workshop on M&V](#) in Marlborough, MA

January 24-25, 2012: [CEE Winter Program Meeting](#) in San Diego, CA

February 6-10, 2012: [AES National Conference](#) in San Diego, CA



erational construct. It recommended shifting from protocol development to the implementation of completed protocols as well as increasing focus on research and evaluation projects. Looking forward, a major Forum project is the development and implementation of the Regional Energy Efficiency Database (REED), which states will use to report energy efficiency program impacts. US DOE is a major funder of the REED project, and US DOE's Kathleen Hogan shared her enthusiasm about the project in her luncheon address, expressing hope that REED can be used at the national level in the future.

Panel Discussions

Cost Effectiveness

The cost effectiveness testing panel discussed the strengths and limitations of various cost effectiveness tests used for energy efficiency programs, focusing on the total resource cost (TRC) test. Marty Kushler presented results from ACEEE's national survey on benefit/cost tests in each state, which indicated that 70% of states use the TRC. Mr. Kushler argued that the core problem with the TRC is that it is fundamentally imbalanced as currently implemented. The other panelists, Tim Woolf (Synapse Energy Economics) and Carol White (National Grid) agreed that there are problems with the TRC. Ms. White stressed that the TRC as currently used does not capture individual state objectives for energy efficiency deployment. In Massachusetts for example, the TRC significantly understates the benefits of energy efficiency, which leads to a more conservative approach to implementing efficiency programs, even though large efficiency investments are needed to meet state goals. She suggested that using gross savings instead of net savings in cost-effectiveness tests would better align program results with many policy goals. Mr. Woolf added that the TRC should only be used in a transparent, consistent, and thoughtful manner. He stressed the need to include and quantify non-energy benefits in the TRC, including estimates of avoided environmental compliance costs. Mr. Woolf also suggested that qualitative assessments of whether the efficiency programs are addressing policy goals are often relevant and should be considered. The panelists agreed that it is worthwhile to strive for consistency across states in the use of cost effectiveness tests, though transparency alone is a valid goal. Furthermore, the Forum is valuable in its ability to bring people together to discuss issues with cost-effectiveness testing, inform relevant stakeholders about problems that exist and help people generate solutions.



"The Forum studies are not sitting on the shelf collecting dust...out of the [unitary HVAC loadshape] study, we got real results that we used immediately."

*Project Committees Co-Chair David Jacobson
Manager of Evaluation,
National Grid*



*Steering Committee
Co-Chair and System
Planning Panel
Moderator
Paul Roberti
Commissioner, RI PUC*

Integrating Energy Efficiency into System Planning

Representatives from NYISO, ISO-NE and PJM Interconnection presented their approach to integrating energy efficiency into system planning and discussed the value of using common methods. Panelists did not call for consistency across regions, but Eric Winkler (ISO-NE) stated that building on the efforts of others can be helpful, for example in the development of M&V manuals. John Reynolds (PJM) stressed NEEP's important role in the development of the PJM M&V manual, which is largely based on the ISO-NE M&V manual. Panelists also discussed the impact of FERC Order No. 1000, which mandates the consideration of transmission needs driven by public policy, which may include energy efficiency. All of the system planner representatives stressed that they are already considering further integration of energy efficiency into their system planning efforts. The panel also included perspectives from the US EPA's John Moskal, who shared that a forthcoming EPA guidance manual will provide a roadmap for how to account for and encourage incorporating energy efficiency into state implementation plans for air quality.

The lively panel discussions and presentations about the Forum's past and future combined to produce an interesting and engaging meeting for all attendees. The Forum views its Annual Public Meeting as an excellent opportunity to bring together EM&V stakeholders from the Forum region and beyond to advance knowledge about EM&V issues, network, and keep people informed about the EM&V Forum's projects and activities. For more information about this year's Annual Public Meeting, including the presentations, please see the [2011 Annual Public Meeting](#) webpage.



2012-2014 EM&V Forum Planning

NEEP is currently developing the next EM&V Forum three year plan (2012-2014), focusing on the 2012 project agenda and budget, with the goal of Steering Committee adoption of these materials at its next quarterly meeting in December.

As described in this newsletter's article about the Annual Public Meeting, the 2012-2014 plan will be based on results of the independent third-party evaluation of the Forum that was conducted last summer.

To develop the draft 2012 agenda, NEEP issued a survey to Forum participants in August that identified priority projects for 2012, as well as projects to consider for 2013-2014. The potential projects included in the survey were based on feedback from the Forum Evaluation and input from Forum participants that was provided throughout the year. Some of the potential projects are follow-up phases to current or recently completed projects, including the incremental cost, measure persistence, and loadshape projects.

As it does each fall, NEEP is now following up with Forum participants to confirm state interest in the potential projects and discuss funding commitments for 2012. NEEP seeks to confirm Forum funding as soon as possible each year, and was encouraged to see New York's continued leadership and support of the Forum through its recent NY Energy Efficiency Portfolio Standard (EEPS) order that provides funding for the Forum for 2012-2015.

The draft 2012 agenda will be presented to the Project Committees at its November 17 quarterly meeting and may be revised based on additional feedback before the final version is presented to the Steering Committee for adoption on December 8.

Incremental Cost Study Completed

The project contractor, Navigant Consulting, completed the [Incremental Cost Study](#) in September.

Results include the cost of material/equipment for baseline and efficient measures selected by the project subcommittee, the cost of baseline labor and, where appropriate, incremental costs of labor.

Report describes the methods used to investigate and update incremental costs for common energy efficiency program measures.

Results help program planners, evaluators and regulators to assess program cost effectiveness and can be used to inform program design.

National EM&V Update

NEEP staff continue to participate in several national EM&V projects, including the US DOE Uniform EM&V Methods project, and the NAESB M&V Standards/Best Practices project.

US DOE Uniform EM&V Methods: The purpose of this project, which is being managed by the National Renewable Energy Lab (NREL), is to build consistency in EM&V methods for a set of priority measures. The project is informed by a technical advisory group and guided by a Steering Committee that includes EM&V Forum Director Julie Michals. The Steering Committee recently identified the following six measures to begin the project:

- Residential and Commercial Lighting;
- HVAC Systems;
- Refrigerator Recycling;
- Whole-house Retrofit; and
- Lighting Controls.

Similar to the Forum's [Common EM&V Methods and Savings Assumptions Guidelines](#), the final product will include a glossary, uniform M&V methods for each measure, and cross-cutting evaluation issues. The Forum's Senior Research & Evaluation Manager, Elizabeth Titus, is serving on the project's Net-to-Gross committee. NEEP has shared the Forum's recently issued [Net Savings RFP](#) to help inform the US DOE project as it grapples with how best to address NTG issues.



NAESB M&V Standards/Best Practices: After nearly a 2 month hiatus, a group of utilities on the Retail EE M&V Working Group have submitted their proposed draft Retail EE M&V Model Best Practices (MBPs). This group includes Southern California Edison, Southern Company, and Dominion Company. The new draft largely mirrors M&V requirements set forth in the NAESB Wholesale M&V standards (which are based on the ISO New England and PJM M&V standards). The Retail M&V Working Group will review and provide preliminary comments on the new draft on a November 7 call. Discussion is anticipated to include whether application of the wholesale M&V standards to the retail sector is appropriate. NEEP is engaging Forum technical advisors to review the document and will continue to keep Forum participants and other interested stakeholders informed of the latest developments.

Thank You Forum Funders:
(current and past)

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District Department of the Environment

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SMECO

Allegheny Power

Baltimore Gas & Electric

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 (2009 Projects)

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

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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View all of the completed
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