



**REGIONAL EVALUATION,  
MEASUREMENT & VERIFICATION FORUM**

**Quarterly Project Committees Meeting  
November 17, 2011, Teleconference Notes and Action Items**

**Participants:**

Name	Organization	Name	Organization
Paul Moffitt	Cape Light Compact	Josh Craft	NEEP
Rick Mascoli	CL&P	Thai Ha-Ngoc	NEEP Intern
Cindy Jacobs	Connecticut Dept of Public Utility Control	Jim Cunningham	New Hampshire Public Utilities Commission
Earle Taylor	Connecticut Light and Power	Katie Mammen	New York
Ralph Prah	Consultant to MA EEAC	Mary Cahill	New York Power Authority
Paul Horowitz	Consultant to MA EEAC	Lisa Shea	NSTAR
David Jacobson	Consultant to National Grid	Dave Weber	NSTAR
Steve Waite	Consultant to NEEP	Erik Mellen	NSTAR
Victoria Engles-Fowles	DC SEU	Riley Hastings	NSTAR
Greg Fanslow	DC SEU	Monica Kachru	NSTAR
Brian Gallagher	Delaware Energy Office, Consultant	Gail Azulay	NSTAR
Bahareh van Boekhold	Delaware Office of Energy and Climate	Debbie Pickett	NYSEG
Lucia Nixon	Efficiency Maine	Jennifer Turner	NYSEG & RGE
Nikola Janjic	Efficiency Vermont	Debbie Pickett	NYSEG & RGE
Dennis Hartline	Maryland Energy Administration	John Zabliski	NYSEG, Rochester Gas & Electric
Dan Hurley	Maryland Public Service Commission	Ed Kear	NYSERDA
Paul Horowitz	Massachusetts EEAC	David Pirtle	PEPCO
Colin High	Metro Washington Council of Governments	Pamela Tate	PEPCO
Lynn Westerlind	National Grid	Sam Gechter	Peregrine Energy Group
Jeremy Newberger	National Grid	Paul Gray	United Illuminating
Julie Michals	NEEP	Bill Miller	US DOE
Elizabeth Titus	NEEP		

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### Meeting Action Items:

1. REED project: Forum participants to provide Julie feedback via email to her about what types of reports, graphs, or other questions can be addressed once REED is developed and running. *As follow up, see set of posted questions being reviewed by project subcommittee. Feedback by Dec 1 please.*
2. REED project: Forum participants interested in being added to the REED Project subcommittee should email Julie Michals.
3. Forum members should email Elizabeth and Julie if they are interested in joining or leaving specific project subcommittees.
4. Forum members should email Julie if they are interested in reviewing the draft NAESB Retail M&V standard, given importance of having program administrator and northeast representation in comments being developed. Julie to follow up with Paul Horowitz on background about NAESB standards development.
5. Nomination for Forum members should email Julie if they are interested in serving as project committee co-chair.
6. NEEP to report back on national efforts pertaining to behavior program evaluation by SEE Action subcommittees, and to request that DOE include one or more Forum members to join relevant subcommittee.
7. Operation Update: Estimates of year end invoicing and estimates of carry over to next year will be provided to Forum funders as soon as NEEP's accounting staff returns from a medical leave.

### Meeting Overview:

Julie Michals (NEEP) opened the meeting and reviewed the meeting objectives: 1) Updates on 2011 Projects and Budget, 2) Updates on National Activities, 3) Forum Operational Updates, and 4) Overview of Forum 2012 Draft Budget and 3-Year Planning.

### Updates on 2011 Projects and Budget:

#### *REED Project Overview*

Julie Michals introduced the Regional Energy Efficiency Database (REED) Project, noting the composition of the subcommittee, reviewing the project schedule, and describing activities to date, including template and business rule development. After completion of the initial phases, testing of the process of populating the database will begin in early January. She further summarized information from an ISO New England planning meeting where ISO reported that they are incorporating energy efficiency into their long-term 2012 plan. ISO has an interest in exploring whether REED can support ISO EE data needs, in interest of avoiding multiple reporting requests to states. ISO-NE and NEEP to meet in early December to discuss opportunity for coordinate. Julie will be following up with NECPUC and EMV Forum stakeholders from New England. Monica Kachru (NSTAR) asked whether the data will be backward or forward looking. Julie said that ISO-NE has adopted a production cost model approach to forecasting, similar to the NY-ISO approach. It is based on information about past programs and budgets. For example, ISO presented a methodology and illustrated scenarios developed with some data. Monica asked about budget information, and Julie clarified that the budget projections would not be part of REED. Julie shared additional background about the project, noting that NEEP is seeking supplemental funding from DOE to fund REED in 2012.

Julie requested Forum sponsors provide feedback via email to her about what types of reports, graphs, or other questions can be addressed once REED is developed and running, to help NEEP construct the reporting outputs for the module. Julie then introduced Sam Gechter, contractor for the REED project from Peregrine Energy Group.

Sam gave an overview of how the forms work and described the process for populating the database via website interactions. Sponsors will download forms, fill them out, and upload them. NEEP will do quality control on the uploaded files before inclusion into the database. He demonstrated excel workbooks with instructions. He noted that some guidance to ensure quality of data entries is built in, e.g. mandatory fields and checks on acceptable quantitative ranges for numbers entered into the worksheet. He further noted that links to definitions of terms are also provided. He identified some of the inputs that will be calculated in the database, e.g. emissions. On the web, he demonstrated Table 1 and Table 1.2, and how entering annual and lifetime savings allows the database to calculate the measure life automatically. He further illustrated how the inputs get rolled up to sector-level results that are reported on a separate sheet. He also demonstrated the Funding Source Sheet, including how some elements will be entered directly onto the form with a data validation notification built in. Form 2.2 reports program expenditures by sector. Another section has been added to include cross-cutting expenses that do not fall within a single sector. Other tables in progress include: Table 1.0 (General Info), Table 3.2 (similar to 1.3.1) and Table 2.3 (an expenditure table).

Julie reminded the audience that the purpose of this demonstration was to inform Forum members about the tool. While she wants everyone to view and understand this tool, she notes that in many cases it will be a State agency staff person who enters the data into this tool. Separate discussions are going on concerning best ways to build some modules, for example modules relevant to air regulators. A few states will be targeted to do the testing in mid December and early next year.

Sam Gechter (Peregrine) reminded the audience that NEEP needs to know what kinds of things Forum members want to know from this database. Ralph Prah responded that the examples mentioned (reports, graphs) would be useful. Nikola inquired whether NEEP has addressed job and emissions impacts. Julie responded that this aspect is still under discussion. The short term plan is for states to enter job impacts if they currently estimate these impacts, and that NEEP is also consulting ACEEE on use of their jobs calculator as possible tool to incorporate into REED.

With respect to job impacts, Dave Weber (NSTAR) inquired if consideration has been given to the 2009 AESC (avoided cost) study in which a subcontractor did an economic analysis on job impacts. Julie responded that the module will be flexible, and respondents will be able to report their job impacts and record their source and methodology.

Julie noted that if Forum members are interested in being on the subcommittee, please send email to Julie Michals.

### ***Loadshape Project Overview***

Elizabeth Titus (NEEP) shared information about the current status of several ongoing projects and the use of the 2011 Add-On Research Budget to support some of these activities. Specifically, she noted that the Loadshape subcommittee is still in the process of selecting the next measure or measures for a large metering study. It will be competitively bid.

### ***Loadshape Data Protocols Project Overview (Using Some Add On Research Funds)***

Elizabeth mentioned that there is one loadshape effort taking place is the Loadshape Data Collection Protocol project, which will provide guidelines and protocols for the electronic file format and information/data to collect in conjunction with metering data. The spreadsheet will increase usability, sharing and availability of data. She thanked the Loadshape subcommittee for its assistance in moving this forward, and noted that the decision was made to keep KEMA as the contractor. The Data Collection Protocol project will use \$30,000 of the Add-On funds from the 2011 Forum budget.

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The Subcommittee is also in the process of deciding what measure/end uses to study next, and will be developing an RFP for a project that will take place during 2012. Any funds from the 2011 budget that were prepaid by sponsors for a 2011 loadshape metering project will be applied to this effort.

#### ***Incremental Cost Project Overview (Using Some Add On Research Funds)***

Elizabeth explained that there are some questions from the first study that the subcommittee recommended should be pursued further. These include some disaggregation of air sealing and insulation measure costs and further inquiry into the residential air conditioning market, for example. The Subcommittee approved keeping Navigant as the contractor for this effort. Funds for this come from remaining 2010 ICS budget of \$96k and also from the 2011 Add-On fund for a total of \$145k.

The Subcommittee has also received - and approved - a proposal from Navigant for a project to develop incremental costs for additional efficiency measures. Funding for this project will come from a combination of 2011 Add-On funds and the 2012 budget (discussed later in the meeting).

#### ***Summary Review of Use of 2011 Add On Funds***

Julie summarized the plans for allocation of Add-on Research budget, with \$30k for Loadshape Data Collection Protocol, \$50k to examine/update 2010 ICS project findings, and \$100k for the new Incremental Cost Research project.

#### ***Emerging Technologies Project Overview***

Julie informed the group that Phase 1 (secondary research) will be completed by January 2012, and Phase 2 (primary research on up to four measures based on secondary research review) will be completed midyear. She further noted that the subcommittee has provided feedback on the first deliverable which will inform the Phase 1 report.

#### ***Net Savings Project Overview***

Elizabeth reminded the Forum members that start up of this project experienced delays as an accommodation of the needs of some Forum states. This project will draw funding from the budget of the 2010 allocation. She described the project briefly (common definitions and policy research on what types of savings measurements are used in various policies). She noted that NMR was selected as the contractor and that the kick off will be soon (per a recent doodle poll). Forum members should let Elizabeth know if they want to be part of the project. It would be helpful to have people from around the region participate to kick off the study.

#### ***Mid-Atlantic TRM Project Overview***

Elizabeth noted that with remaining funds allocated to the 2011 TRM project, the Subcommittee is planning to develop an update process and schedule, and also to scope a list of measures to recommend for inclusion in a 2012 Phase 4 project. The update process will start this winter. She welcomed MD and DE to the 2012 Phase 4 project, and noted that Phase 4 will likely not be starting until late in 2012, to accommodate the scheduling recommended by some Forum sponsors. \$35k from 2011 project allocation will be available for the update process.

#### **Updates on National Activities (NAESB and DOE)**

Julie identified two important developments at the national level. First is North American Energy Standards Board (NAESB) standards. NAESB developed wholesale standards earlier this year, with NEEP involvement. The product focused largely on the M&V standards from ISO-NE. Now NAESB is developing retail standards, with involvement by Julie on the working group. This effort has undergone numerous iterations, due to a critical reception of the first version by various working group members

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from California and utilities in the Southeast. The most recent version is now out for review and is based on a request by some working group members to mirror the wholesale standards. Informal comments have been requested by Nov 28 (*although note that a request for extension of comments to Dec 2 has been made*). Julie reminded the Forum that the next step is Formal comments, followed by review and voting by the NAESB Executive Committee early in 2012. Julie invites Forum members familiar with the wholesale M&V standard to work with NEEP to review the retail standard and ideally also to participate in the next working group call. Pam Stonier has become a member of NAESB Board, but it would be helpful to have a utility voice on the working group. Julie noted that the review draft is confusing, and includes content that is not necessarily relevant to retail programs, and that critical review comments are needed to improve the product with a goal of a final product that “does no harm”.

Paul Horowitz asked what was the nature of the pushback on the first draft of the NAESB retail standards. Julie will follow up separately.

Julie further noted that she and Elizabeth met with FERC staff both to inform them of the REED project and to check in about NAESB work. FERC voiced the importance of consistency between wholesale and retail standards.

Julie then turned to the US DOE EM&V activities. She noted that the SEE Action project continues, and in the meantime, DOE has also initiated the Uniform Measurement Project (UMP), for which she is a Steering Committee member. UMP contractor, Cadmus, has subcontracted with Dave Jacobson for technical advice on C&I HVAC matters. The schedule calls for a final document by August 2012. The project is similar in scope to the Forum Common Methods and Savings Assumptions Guidelines, and it will focus on six measures. It will also incorporate the Forum glossary.

Nikola Janjic asked if smart grid is covered under the DOE SEE Action evaluation effort. NEEP will follow up to obtain more information on the current DOE subcommittee addressing this.

## Operational Updates

### *Status of the 2011 Budget*

Julie informed the Forum that NEEP expects \$830,000 to carry over to 2012. And due to the fiscal calendar flow of project work, it is reasonable to assume a similar amount may carry over to 2013. Per request of the project committee co-chairs, this status report was developed. It will be verified next week with assistance of NEEP accounting staff.

Estimates of year end invoicing and estimates of carry over to next year will be provided to Forum funders as soon as Sue Stocker from NEEP’s accounting staff returns from a medical leave. Julie thanked Forum members for their patience with this delay.

Julie next presented a summary slide identifying accounting of Forum costs that illustrates how NEEP applies unspent funds and accounts for a shortfall of funds from Maine and Delaware in 2011. As noted, there was some unspent funding from the ICS project. Further, a small balance remaining from the NAESB effort was applied to the shortfall. As noted earlier, the Incremental Cost project is being funded by a combination of funding sources, and the Add On funding is being used to fund parts of Incremental cost and loadshape projects.

Julie reviewed the list of Program Committee Co-Chairs and noted that several members’ terms are nearing an end. She informed the Forum that while Dave Jacobson has left National Grid, he will represent National Grid on the forum until the end of the year, per arrangement with National Grid. Julie asked if a Forum member or someone from their organization might be an ideal subcommittee

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member to take Dave's place. Project committee co-chairs support the Forum by reviewing meeting agendas and plans during a monthly teleconference. In 2012, the Forum will be recruiting at least three more co-chairs. Forum members should email Julie if they are interested in serving as co-chair.

Julie announced that Cecily McChalicher is on maternity leave for the next three months. Julie announced that NEEP has recruited Thai Ha-Ngoc as an intern starting next week.

In response to the Forum evaluation, we have provided access to the private portal webpages to all Forum members. In 2012, other website improvements will be addressed.

### 2012 Draft Project Agenda

Julie presented the summary of state interest in the proposed 2012 Forum agenda, and briefly reviewed the list of projects that comprise the agenda. She noted that DE will not be funding the 2012 Loadshape project due to DE's current start up situation, and that NEEP is still in process of confirming Maryland stakeholders' level of interest in the ICS project. Julie Michals then described the status of the Market Lift project, noting that for the price in the budget, the project will include about 7 retailers and 3 states participating in Market Lift project. Still to be scheduled is a meeting with point people from each state on this project to confirm states doing the market lift versus states serving as "controls". The Codes and Standards project is slated to start early in 2012. Further dialogue with Massachusetts is planned. A subcommittee for this project will be made up for Forum members but will include other representative, given that it is being funded from multiple sources, none of which are Forum sponsor funds.

The total annual budget is \$2,014,000, a level of funding similar to 2011. States that prepaid in 2011, or which have contracts in place, are noted in the far right column of the table showing the total annual budget. Julie noted an increased budget for REED in 2012. This reflects the likely event that modifications will be needed, and that these could be addressed if DOE funding materializes. The task of implementing REED and interacting with ISO-NE are included in the expanded REED budget. If DOE funding materializes, it relieves the states of responsibility to cover other base costs. Julie notes that one scenario (shown here) is that sponsors' cost share going to base costs that would be relieved by the receipt of DOE funding could go to an expanded loadshape project budget.

Nikola Janjic (Efficiency Vermont) asked if any other projects could be added. He said some projects could be pushed to 2013, and he was surprised not to see projects related to behavioral change. Julie noted that some states ranked that as a low priority for 2012. Elizabeth noted that it was included on the survey because we are aware several states have pilot efforts, but comments from some states indicated that they could not envision how a Forum project would work for them at this time. Nikola noted that the CEE behavior change committee most of the states - MA, NY, ME and other regions are launching pilot programs. Ralph PrahI notes that there are 6 behavioral programs running in MA but given that, it seems premature for the development of protocols. Each pilot is using slightly different evaluation method. Elizabeth further noted that it will be important to better understand the schedule and goals of a national effort before scoping a regional project.

Julie presented the schedule and next steps toward finalizing the 2012 Agenda. She thanked the Forum members and concluded the meeting.