



NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

# State of the Forum

September 16, 2009

Westin Hotel, Providence RI

Julie Michals, EM&V Forum Director

Larry Pakenas, NY State Energy Research & Development Authority

Jeremy Newberger, National Grid

Matthew McCaffree, Institute for Electric Efficiency

Elizabeth Titus, EM&V Forum Research & Evaluation Manager



## State of the Forum - a Year+ In Operation

*(Julie Michals, EM&V Forum Director)*

- Steering Committee, Project Committees formed (2008) with quarterly meetings/webcasts
- Start up funding secured (for 2008 activities)
- Operational guidelines, cost allocation framework adopted (2008)
- Forum 2009 project agenda and budget adopted - \$2.18m (2008)
- Project subcommittees: 8 project subcommittees in operation (2008-09)
  - Protocol Development Projects
  - Research & Evaluation Projects
  - Education & Information Activities
- Funding committed from 11 states (extensive outreach Q1-Q2 2009), with annual contracts for most states/PAs, and multi-year contracts with NYSERDA and Maryland Energy Administration



### State of the Forum - a Year+ In Operation cont.

- Forum joined by three subscribers (associations, ESCO)
- Forum Glossary of Terms & Definitions adopted (Q1 2009) - first Forum product!
- Forum communication systems developed and evolving (on-going): Contact lists, website, quarterly newsletter, monthly project committee updates, etc.
- Project scopes, RFPs and contracts developed and issued (5 RFPs to date, 2 more by EOY)
- Monitored/participated in national, regional and state EM&V efforts (on-going)
- Forum 2010 project agenda and budget planning underway
- Plan and hold Forum Annual Public Meeting (here we are!)



## Who's Behind all This?

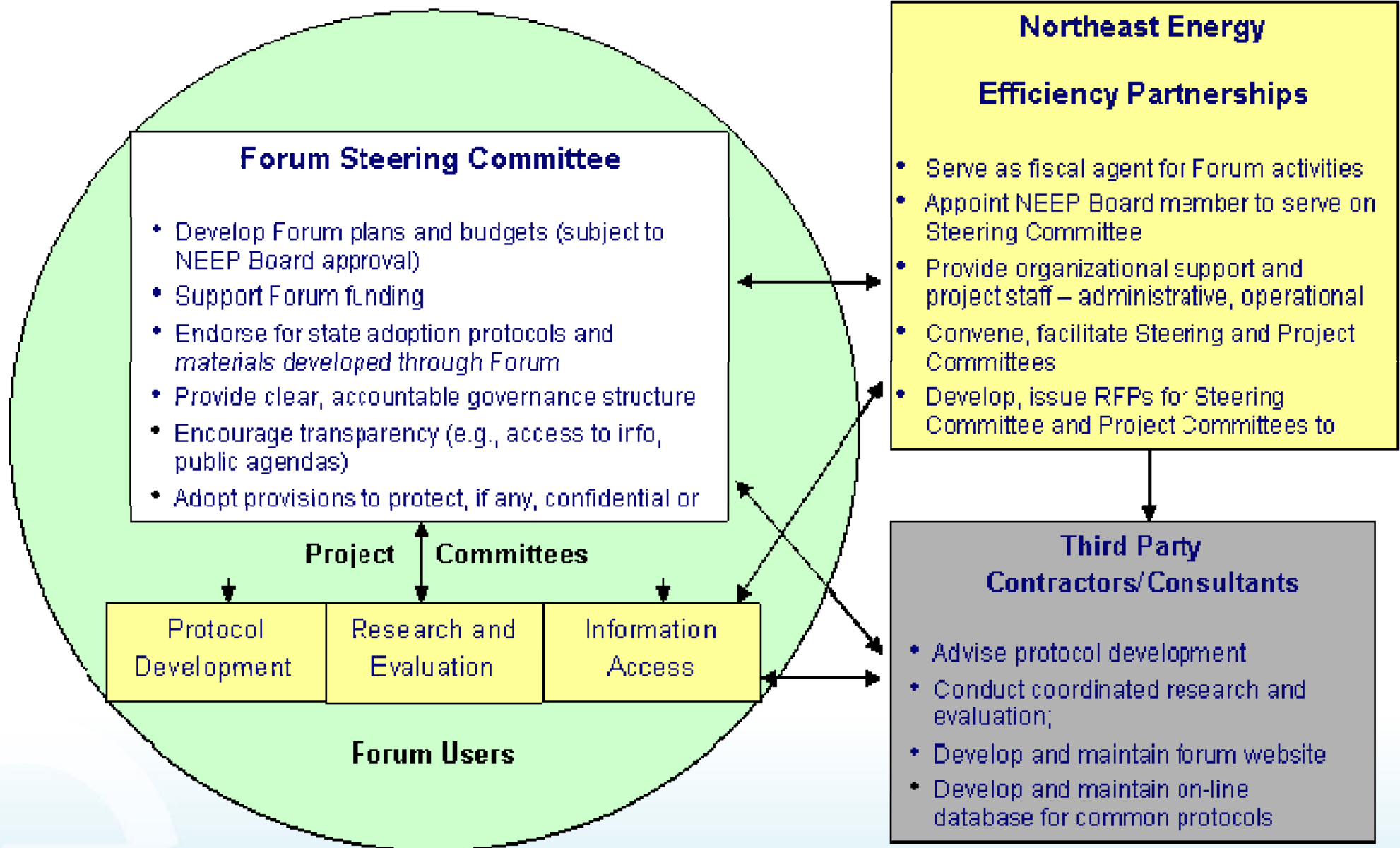
- NEEP EM&V Forum Team
- Project Committees Co-chairs:
  - **Protocol Development:** Carol White (National Grid), and Larry Pakenas & Jennifer Meissner (NYSERDA)
  - **Research & Evaluation:** Chris Neme & Coleen Orsburn (Efficiency Vermont/VEIC), and Jeremy Newberger (National Grid)
  - **Education & Information Access:** Mike Sherman (MA Dept of Energy Resources )
- Project Subcommittees: many subcommittee members covering Projects A1, A2, A3, A4, A5, B1, B2, B3
- Project technical advisors
- Steering Committee



## Forum Steering Committee:

Sharon Reishus, Commissioner ME Public Utilities Commission (co-chair)  
Rich Sedano, Director Regulatory Assistance Project (co-chair)  
Clifton Below, Commissioner NH Public Utilities Commission  
John (Jack) Betkoski, Commissioner CT Dept of Public Utility Control  
Lawrence Brenner, Commissioner MD Public Service Commission  
Christopher Carew, DC Dept of the Environment  
Phil Cherry, Policy Director DE Dept of Natural Resources & Environ Control  
Robert Curry, Commissioner NY Public Service Commission  
Jeanne Fox, President NJ Board of Public Utilities  
Arthur Marin, Exec Director Northeast States for Coordinated Air Use Mgmt.  
Arnetta McRae, DE Public Service Commission  
Rick Morgan, Commissioner DC Public Service Commission  
Nancy Seidman, Air Director MA Dept of Environmental Protection  
Malcolm Woolf, MD Energy Administration  
Tim Woolf, Commissioner MA Dept of Public Utilities  
James Volz, Commissioner, VT Public Service Board

# EM&V Forum Organizational Structure





## Protocol Development - 2009 Projects

*Larry Pakenas, Committee co-chair*

Purpose of Projects: to develop common/consistent protocols or guidelines for estimating and reporting energy efficiency savings, costs and emission impacts.

### A1: Glossary of Terms & Definitions

- **Product**: Commonly used EM&V terms (electric and gas) for both utility and air regulatory purposes
- **Participating States**: all Forum states
- **Timeframe**: Adopted by Steering Committee March 2009

### A2: Develop Common EM&V Methods and Savings Assumptions

- **Product**: EM&V Methods Guidelines, Comparison of Savings Assumptions for Priority Measures/Program Types
- **Participating States**: all Forum states
- **Timeframe**: Project underway, completed by end of 2009



## Protocol Development -2009 Projects cont.

*Larry Pakenas, Committee co-chair*

### A3: Develop Common EE Reporting Guidelines

- **Product:** Recommend guidelines for reporting EE savings, costs and emission impacts
- **Participating States:** all Forum states (with US EPA funding)
- **Timeframe:** study begins in Sept 2009, completion in Q1 2010

### A4: Common M&V Standards in Wholesale Markets

- **Product:** Comments in and/or consideration of possible amendments to ISO-NE and PJM capacity market EE related forums
- **Participating States:** New England (for ISO-NE FCM M&V activities, and NJ, MD, DE and DC for PJM M&V activities)
- **Timeframe:** on-going

### A5: Develop Common Electric/Gas EE Savings Assumptions

- **Product:** Common EE savings and assumptions document
- **Participating States:** Maryland, Delaware, District of Columbia
- **Timeframe:** Study begins in Sept 2009, completion by April 2010



## Research & Evaluation - 2009 Projects

*Jeremy Newberger, Committee co-chair*

### B1: Loadshape Study

- **Purpose:** to identify/develop loadshape data to meet range of policy needs as cost effectively as possible
  - » Phase 1: Catalog of existing/secondary loadshape data resources
  - » Phase 2: Primary research on priority measures
- **Participating States:** Phase 1 - New England, NYPA and LIPA, and Phase 2 - all Forum states
- **Timeframe:** Phase 1 - final report near complete, and Phase 2 - study to begin in fall 2009 and completed in Q2 2010)

### B2: Commercial Lighting

- **Purpose:** to develop estimates of C/I lighting measure persistence and measure life based on secondary sources and on-site surveys
- **Participating States:** New England states, New York
- **Timeframe:** study underway, first phase of study to be completed Q4 2009, may extend to Q1 2010



## Research & Evaluation - 2009 Projects cont.

*Jeremy Newberger, Committee co-chair*

### B3.1: Net Savings White Paper

- **Purpose:** To lay groundwork for future development of regionally consistent definitions and measurement approaches for net savings, by documenting issues/challenges associated with existing approaches and proposing options/recommendations for next steps.
- **Participating States:** All Forum states
- **Timeframe:** Begins in Q4 2009, completion expected Q1 in 2010

### B3.2: Impact of EE Programs on Advancing Codes & Standards

- **Purpose:** To lay groundwork for estimating savings associated with improvements to building energy codes and standards.
- **Participating States:** All Forum states
- **Timeframe:** Begins in Q4 2009, completion expected Q1 in 2010



## Education & Information Access Activities

*Matthew McCaffree, Committee member*

**Info Access and Confidentiality Policy:** Policy addresses accessibility to Forum products and materials and protection of confidential information. Policy reflected in public nature of Forum materials, standard documents in RFPs, 3<sup>rd</sup> party contracts, and Forum website

**EM&V Library:** Under development, will provide ready, web-based access to information about state, regional and national level EM&V resources and data (e.g. studies, reports, projects, contacts), Fall 2009

**Forum Website:** Key vehicle for all Forum communications. New Forum website launch - Oct 2, 2009

**Forum Communications Plan:** Identifies Forum actions/activities to help ensure Forum products are understood, and ultimately adopted, implemented/used in states.



## 2010 Forum Project Planning

*Elizabeth Titus, EM&V Forum Research & Evaluation Manager*

### 2010 Planning Underway

- Survey conducted July/August 2009 with Forum participants
- Project Committee input: September - October
- Steering Committee review and adoption - late October

### Survey Results

- Mix of Protocol Development and Research & Evaluation projects
- Continuation of 2009 projects or supplemental phases, or new
- Many projects identified as priority
- Responses received from all states
- Budget - about \$2.3 million (similar to 2009)



### On Becoming A Forum Project - Key Criteria:

- Project makes sense to do regionally:
  - Topical issue for many/most states
  - Saves states \$\$ compared to alternative of state by state efforts/projects, while helping meet state needs
- If adopted by states, results of project will:
  - Improve credibility of EE savings
  - Reduce barriers to participation of EE resources in wholesale capacity markets
  - Improve state and regional demand-side resource and energy planning, implementation and evaluation by having readily available and consistent inputs, protocols and reporting format and tools
- Project results can inform/guide national EM&V efforts, where region brings single voice to national dialog
- Some projects are/can be sub-regional



## *Looking to 2010....*

### **Forum Goals:**

1. Steering Committee adopts Forum products as best practice
2. States implement and use Forum products
3. Forum process and products serve energy and environmental policy needs
4. Forum continues broad regional support and engages new participants
5. Forum effectively informs state, regional and national EM&V projects/efforts



*Looking to 2010 cont....*

**Challenges:**

1. Balancing near-term state EM&V needs with long-term regional EM&V protocol development goals
2. Aligning state budget processes with Forum project schedule
3. Balancing Forum budget certainty with need for project budget flexibility
4. Engaging right participants at right time - key to Forum's success - everyone is very busy!





# THANK YOU

For More Information

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