Evaluation, Measurement & Verification Technical Work Group Overview

National Action Plan for Energy Efficiency

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NEEP Regional EM&V Forum Annual Public Meeting
September 16, 2009

National Action Plan for Energy Efficiency

- **Goal:** To achieve all cost-effective energy efficiency by 2025
- Leadership Group is committed to advancing EE as a high priority energy resource
  - Diverse group, including gas and electric utilities, state energy offices, utility regulators, consumer advocates, businesses, environmental groups, etc.
  - DOE and EPA facilitated
- In 2009, the Leadership Group members identified as a **high priority** the need to ensure that Evaluation, Measurement and Verification (EM&V):
  - Can help advance energy efficiency effectively while being sufficiently robust and
  - Does not become a hindrance to achieving the Action Plan goals of all cost-effective energy efficiency.

Action Plan EM&V Technical Work Group

- The EM&V Technical Work Group was formed to explore EM&V issues and future needs, Spring 2009
- Co-chairs represent different EM&V perspectives
  - Dian Grueneich, California Public Utilities Commission
  - Diane Munns, Mid-American Energy Company
  - Phil Guidice, Massachusetts Department of Energy Resources
- 20 Work Group members, also diverse by geography and perspectives
  - Includes state commissions, energy offices, 3rd party program administrators, investor-owned utilities, public power, national energy efficiency organizations, energy service companies and federal regulatory agency staff

Objectives of EM&V Technical Work Group

- Explore whether the current bottom-up approach to EM&V (program evaluation) is workable or appropriate in the new EE environment, which is characterized by:
  - significantly larger EE funding, coming from multiple sources and delivered by multiple entities;
  - a shortage of trained EM&V consultants;
  - limited government resources to oversee EM&V work; and
  - increased reliance on collaborative, market transformation and/or public education efforts

- Explore and possibly develop improved EM&V approaches over the next year that could be used at the local and state program level

- Lay the groundwork, *if determined appropriate*, for developing National EE EM&V Protocols.

EM&V Work Plan & Schedule

- Three-phase process for exploring and developing improvements or alternatives to the current EM&V approach over a two-year period.
  - **PHASE 1:** Refine understanding of key EM&V purposes, needs and issues with existing approaches and prioritize areas for further work (2009)
  - **PHASE 2:** Explore/Discuss/Develop new options or protocols as identified
    - *Product:* TBD based on Phase 1 (ETA: 2010)
  - **PHASE 3:** Draft product(s) and conduct stakeholder review
    - *Product:* TBD based on Phase 2 (ETA: January 2011)

Phase I: Refining our Understanding of EM&V

- EM&V Technical Work Group - facilitated by EPA and DOE with technical support from LBNL, Schiller, and Itron - is undertaking several activities under Phase 1 to shape effort and define the scope of future Action Plan engagement
  - Conduct an inventory across a range of perspectives of current EM&V uses and users, practices for planning, conducting, reviewing and reporting evaluations and emerging issues (September 2009)
    - Based on state and federal experiences: Regulators and Policy Makers, Utilities and 3rd Party Administrators, Evaluators and Practitioners
  - Explore issues further to determine which issues are likely to become more important and identify existing efforts to address issues (October 2009)
  - Prioritize issues and investigate potential options or alternatives to address issues (November 2009)
  - Define strategy to explore options (Fall 2009)
- *Product:* Technical summary report of findings, priorities, options and strategy for exploring options under Phase 2 (ETA: December 2009)

Contact Information

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