



Memorandum

To EEAC
From Eric Belliveau and the EEAC Consultant Team
Date 8 December 2011
Subject Monthly Report – November 2011

The Consultant Team is pleased to provide this monthly update to the Council on our recent and planned activities. October was a busy month with many accomplishments and important topics under discussion and review.

Planning & Analysis Activities

- Reviewed and completed analysis of the PA-proposed 2012 Mid-Term Modifications. Discussed and coordinated with the PAs on MTM issues, prepared a final report on Team findings for the EEAC, summarized the report and findings during the November Council meeting and assisted with the drafting of the EEAC Resolution.
- Reviewed the dashboard monthly reports, compiled five months of dashboard reports to show trend lines, and commented to the EEAC on the dashboard reports and the trends during a presentation to the Council at the November meeting.
- Reviewed the third quarter (Q3) qualitative and quantitative reports on 2011 program performance to date, reviewed the PA slides for presentation to the EEAC, and prepared summary slides regarding consultant review and analysis of the quarterly reports for the November EEAC meeting.
- Reviewed the 2010 Annual Reports submitted by the PAs.
- Discussed initial planning and analysis activities for the early stages of the development of the next Three-Year Plans (2013-2015), including market and economic analysis.
- Participated in discussions of approaches for documenting energy savings and baselines for future planning.

Highlights from the Implementation Oversight Groups and EM&V Group

The sections below highlight activity in each of the major oversight areas.

C&I Team

The Team worked on several issues over the past month, covering a wide variety of topics.



MA EEAC



CONSULTANT TEAM

- Continued engagement with PAs on C&I planning and implementation issues. Focus in November included finalization of 2012 MTMs, discussion of possible program combining or reconfiguration of markets, monitoring on quarterly reports and progress toward 2011 goals, monitoring of early progress on upstream lighting initiative, review of Point380 market analysis project and early results, monitoring of community-based initiatives in Northampton and Pittsfield.
- Established plan for PA, DOER, and Consultant Team engagement in December to advance the codes & standards initiative and reach consensus on plans and strategies.
- Met in Northampton with all partners involved in the community-based initiative. Assessed current status and methods to improve the initiative and better align interests and actions of the town and its partners with the PA programs and marketing methods.
- Continue to monitor the MA Technical Committee and unsolicited proposal process. PAs have received a proposal from the U.S. Forest Service for \$15 million in funding to plant trees.
- Continued discussions on how to expand marketing and outreach, improve gas and electric integration, enhance the gas services in the direct install program, and address consistency and resource issues among different PAs.
- Discussed progress on CHP projects in 2011 and began discussions regarding how CHP issues will be handled by PAs in the absence of the CHP working group.

Residential Team

The Residential Team covered key program areas by engaging with several working groups. High level developments by PAs in these areas include the following.

- **General:** Engaged the PAs on high level Residential Sector issues at the bi-weekly Residential Management Committee (RMC) meetings, and coordinated the first quarterly residential stakeholder input session. Coordinated with EM&V team to provide progress report to the Residential program implementation staff on EM&V planning and study results. Communicated with the DOER Residential Team, at their weekly calls, about residential sector issues. Participated in weekly EEAC Consulting Team calls and weekly RES Consulting Team coordination calls. Finalized Residential and Low Income MTM matrices and feedback. Reviewed and provided feedback on 3rd Quarter PA reports.
- **Products:** Engaged PA staff and program vendors regarding ENERGY STAR non-standard LEDs. Identified incorrect savings input assumptions in several PAs screening tool files. Considered TopTen USA opportunities for promoting the most efficient appliances and consumer electronics. Participated in ENERGY STAR Most Efficient webinar. Reviewed monthly Lighting and Appliance Program activity reporting.
- **HVAC:** Reviewed, commented, and discussed several program details related to gas/electric integration, measure screening, HEAT loan eligibility and requirements, and heat pump water heaters. Considered policy implications of promoting oil DWH to HPWH fuel-switch. Reviewed monthly program activity reporting.



- Residential New Construction: Engaged with DOER and the PAs on the codes and standards initiative to develop plan for moving forward. Attended Joint Management Committee (JMC) RNC working group meeting and followed up on issues around progress with tiers, incentives and adoption of ENERGY STAR Homes v.3 and changing dishwasher standards.
- Home Energy Services: Monitored activities and progress of the HES Contractor Best Practices working group. Reviewed HES Energy Assessment standards and Materials & Installation standards for possible updating.
- Deep Energy Renovation Pilot: Met with DOER and others to discuss ideas for a future direction of the Deep Energy Renovation pilot that is cost-effective and integrates more closely with the HES program. In conjunction with the ad hoc group, prepared a discussion draft of a DER program description in preparation for the upcoming 3-year planning process.
- Low Income: Participated in Low Income Best Practices Group discussions on metrics, new measures, and pilot projects. Worked with LEAN and PAs to facilitate agreement on 3rd party QA/QC inspections.

Evaluation, Measurement & Verification

- In order to enhance the feedback loops between EM&V and non-residential program planning within the PAs, agreed with the PAs to assign an evaluator as EM&V liaison to the MA PA group, supplemented by periodic attendance of the EEAC EM&V consultants at MA PA meetings. This paralleled similar steps taken for residential issues with the RMC in October. Initiated a series of presentations by EM&V contractor groups to the MA PA group and the RMC.
- Moved several new studies into the implementation phase, including a Non-Residential Non-Energy Benefits study, evaluations of WMECO and CLC behavioral pilots, and residential on-site visits to assess saturation of lighting and electronics measures.
- Moved forward approximately 25 Round 2 studies that were already in the implementation phase, including market assessment studies of the residential new construction, multifamily, and non-residential new construction markets.
- Participated in the planning and early implementation of a number of new regional studies being administered by the EM&V Forum, including studies of residential lighting market lift, a second phase of research into the incremental costs of energy efficiency measures, a review of the handling of net savings across the region, and a study of savings loadshapes associated with HVAC variable speed drive applications.
- In response to interest from DOER, moved to incorporate a focus on electric customers with demand of 300-750kW into in-progress C&I EM&V studies where feasible. This work supplements a dedicated study on this customer segment to be initiated within the next few months.
- Received and disseminated a draft report on the CHP impact evaluation.
- Participated in discussions of approaches for documenting energy savings and baselines.



- Communicated with ENE, the PAs, and evaluation contractors regarding potential further near-term evaluation efforts focusing on the CMI pilots.

Upcoming Activities

In December the PAs will intently focus on closing projects and meeting 2011 goals. As a result, we do not anticipate a large amount of activity in new areas. However, we will continue on-going engagement with PAs and Council on planning and implementation issues.

The Planning & Analysis Team will undertake several tasks in the next few months.

- Follow up analysis regarding the PA-proposed 2012 Mid-Term Modifications, including review of the underlying detailed data (e.g., to address some perceived inconsistencies in the PA data) on energy savings and benefits (relative to the EEAC-adopted goals), budgets, cost-effectiveness, and planning issues for the 2012 MTMs.
- Analyze progress towards full incorporation of the key building blocks for accomplishing the goals of the Three-Year Plans to achieve deeper savings and other key priorities.
- Participate in DPU 08-50 processes including the Energy Efficiency Guidelines, reporting, and bill impacts, as scheduled and as assigned. May include review, development, and analysis of options for energy savings documentation, the basis for savings and benefits, and improved baselines, as well as environmental compliance costs.
- Track progress towards achievement of the savings and benefits goals and other Council priorities by reviewing and analyzing future qualitative and quantitative quarterly reports (for the December EEAC meeting). Review and comment on dashboard monthly reports.
- Review the 2010 Annual Reports, including the PA performance incentive and metric claims in the Annual Reports.
- Initial preparation for the development of the 2013-2015 Three-Year Plans. Will include review of and input on analyses such as the market analysis being conducted by several PAs, information available in EM&V studies and reports, C&I surveys/interviews and market analysis, and analysis of the economy and its effects.

The C&I Team plans to continue working on the following issues:

- Assess if there are ways to improve the community-based initiatives to ensure PAs can capture more savings, while meeting the goals of the towns.
- Review 2010 Annual Reports and determination of awards related to 2010 C&I performance metric accomplishments.
- Meet with DOER and PAs on codes & standards initiative with intent of finalizing consensus on high level strategies, timing and roles, and evaluation methods.



- Develop better understanding of CHP progress in 2011 and bring issues for discussion to PAs.

The Residential Team will:

- Engage the PAs, through the RMC, in planning discussions on developing the next 3-Year plan. Continue to explore and communicate opportunities for sector and programmatic synergies and additional energy savings.
- Coordinate with PAs, DOER, AGO and other stakeholders on solidifying strategy to address Pre-Weatherization in 2012.
- Follow-up discussions with DOER on “fuel switching,” such as oil to HPWH conversions and other possible technologies.
- Continued engagement with PAs on proposed statewide gas boiler early retirement offer for 2012.
- Continue to work with DOER and others to achieve greater integration of gas and electric HVAC programs.
- Participate in Joint Management Committee meeting to review program activity to date, 2012 program plans and the preliminary results of the RNC baseline study and its implications on programs savings for 2011.
- Participate in a broad-based meeting with DOER to review the codes and standards initiatives and negotiate a work plan and savings attribution protocols.

The EM&V Team will:

- Continue moving in-progress studies through the implementation process
- Oversee the finalization and reporting of several studies, including the multifamily potential study.
- Begin implementation of the job creation and 300-750 kW studies.
- Seek to reach consensus on additional market assessment activities for residential retail products.