



Memorandum

To EEAC
From Eric Belliveau and the EEAC Consultant Team
Date 5 September 2013
Subject August Monthly Report

The Consultant Team is pleased to provide this update to the Council on our recent activities. As requested, we have revised the format of this memo; we now keep the past highlights and future activities for each of the four Advisory Groups together in order to better convey progress and trends in each area.

Planning & Analysis Advisory Group

Highlights from the Past Month

- Prepared for and attended the EEAC meeting on August 22 and participated in the Executive Committee meeting on August 28. Briefed individual Councilors in advance of the EEAC meeting.
- Provided support to the EEAC Executive Committee on DPU 11-120 reporting streamlining, the statewide database, AESC/avoided cost study updates, and the review of 2012 Annual Reports and three-year review of 2010-2012 programs.
- Continued work on DPU 11-120 reporting streamlining regarding the regulatory review, reporting, and approval of performance reports, performance incentives, energy efficiency surcharges, and mid-term modifications. Worked on reporting issues, needs, and priorities related to the DPU 11-120 working group with individual Councilors and the PAs. Continued working with the PAs on reporting scheduling and processes, and on proposals and a template for the Annual Implementation Update for the 2014 and 2015 program years.
- Reviewed and commented on responses to the reissued Request for Responses (RFR) for a database consultant and facilitator. Participated in the statewide database Subcommittee as assigned including the selected bidder interviews.
- Continued making progress with DOER and the PAs on the consultant-recommended *interim* approach to data and data management, focused on improving effectiveness and efficiency, to ensure reliable and internally-consistent data in the interim while the statewide database is being developed.

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- Reviewed and analyzed the 2012 Annual Reports, including the individual PA Reports and the statewide compilations for electric and gas. Presented a summary of 2012 performance, based on the 2012 Annual Reports, to the Council at the August 22 EEAC meeting.
- Worked on a three-year review of 2010-2012 performance, coordinating with the PAs, for presentation to the Council at the upcoming September 10 EEAC meeting.
- Reviewed the 2013 Q2 quarterly report, including the additional improvements to the quarterly report template, focusing on the benefits section, used for the Q2 quarterly report. Summarized key issues related to 2013 Q2 performance during the August 22 EEAC meeting.
- Reviewed the final avoided energy supply cost (AESC) report, provided an update to the Council, and answered questions from DOER and individual Councilors. Coordinated with the PAs to analyze and assess the implications of the new avoided cost values for 2014 and 2015 programs.
- Interacted with the PAs and the management committees to discuss and ensure the early and effective implementation of the key components of the 2013-2015 Three-Year Plan in order to achieve the savings and benefits goals, maximize the use of best practices, serve all segments of MA customers, and support the Council's priorities, while also encouraging the cost-efficient use of ratepayer funding.
- Reviewed the final version of the 2012 Annual Report Technical Reference Manual (TRM), per the TRM process and schedule.

Upcoming Activities

- Continue meeting with the PAs and management committees to discuss and ensure the early and effective implementation of the key components of the 2013-2015 Three-Year Plan, including the key program enhancements, strategies, and action plans designed to achieve savings in 2013.
- Continue to analyze and assess the implications of the new avoided cost values for 2014 and 2015 programs; review new avoided cost components that could be implemented and applied in MA.
- Continue to support the statewide database process. Coordinate with the database consultant and facilitator to assist in the design of the database and participate in the statewide database working group as assigned.
- Continue working with the PAs on developing and implementing a more effective and efficient *interim* approach to data and data management.
- Analyze and prepare a summary of the three-year review of 2010-2012 performance, as well as 2013 performance year-to-date, coordinating with the PAs, for presentation to the Council at the upcoming September 10 EEAC meeting. Follow up on the three-year review and trend analysis presentation as directed by the Council.



- Review and comment on the PAs' presentation and report to the Council on how the PAs are going to achieve the 2013 goals, with emphasis on the C&I programs and consideration of the trends in prior program years.
- Review, analyze, and comment on the 2013 quarterly reports and the dashboard monthly reports and trends. Also, working with the PAs, complete the new template for the quarterly reports, focusing on the reporting of benefits and GHG emissions reductions (Q2 and Q4 reporting), and implement any additional revisions identified and directed by the Council as a result of EEAC review of the revised template used for the Q1 and Q2 reports.
- Support the Council, as directed, in its review and analysis of the DPU NOI Phase II order and the EE Guideline. Participate in the DPU 11-120 reporting streamlining working group and subcommittee as directed by the Council. Complete work on the template for an Annual Implementation Update to be used for the 2014 and 2015 program years.
- Support the Council by continuing analysis and work on the DPU EE Guidelines Phase I NOI regarding net savings and environmental/carbon compliance costs, as directed by the Council.
- Continue to work on future tasks related to the Technical Reference Manual (TRM), per the TRM schedule and process.

C&I Advisory Group

Highlights from the Past Month

The C&I Group continues to maintain focus on achieving the 2013 goals, informed by past experience and research.

- Reviewed, analyzed, and provided comments on PA 2012 Annual Report and achievements.
- Reviewed, analyzed, and provided comments on PA 2nd Quarter Results. Analyzed progress to date compared to previous years.
- Continued discussions with PAs on C&I progress towards 2013 goals and spending. Discussed need for urgency, importance of achieving 2013 goals, and brought forward potential strategies to make up possible 2013 goal shortfall.
- Brought forward and organized Mass Save support for new appliance standards legislation.
- Organized and provided Webinar on Commercial PACE financing to Commercial Real Estate Working Group.
- Continued to work with PAs and DEP to address issues raised with water/wastewater segment.
- Assisted PAs in developing content for EEAC C&I presentation.

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- Began discussions with PAs on progress towards goals and spending. Analyzed progress to date compared to previous years.
- Continued to support Commercial Real Estate Working Group. Organized Webinar with Director of Connecticut Commercial PACE financing program. Developed list of research topics and questions for forthcoming CRE market research.
- Continued work on Best Practice research, with the goal of providing recommendations for strategic enhancements to programs to support achievement of Three-Year Plan commitments and targets focusing the effort on 2013.
- Continued discussions with PAs to expand successful upstream lighting initiative to more non-lighting products.

The C&I Group also continues to track Action Plans and commitments to achieve the current goals and Three-Year Plan. A status of key near-term plan commitments follows.

- Process for Stakeholder Input by Q2 2013 – Complete
- New Consistent Dedicated Approach to Municipalities – A new consistent statewide municipal model will be announced and implemented at the beginning of the next calendar year, January 1, 2014.
- Community Mobilization – PAs are working to design new community based delivery model that will target “Main Street” areas of municipalities. NSTAR is now piloting this model in two communities. Other PAs have selected potential communities in their respective territories. Once the results of the NSTAR pilot are complete, the model will be considered for adoption in Q4 2013.
- Improved Financial Tools – PAs have developed a new spreadsheet financial tool to assist customers in evaluating efficiency investments. The tool is being rolled out for review by PA Sales and Account Managers. Once complete, statewide training will be provided.
- Targeted Strategies for Wastewater Treatment Plants – Consultant team continues to work with PAs and DEP to address this plan commitment to develop recommendations for a sustainable financial assistance model for the water/wastewater segment.
- Targeted Strategies for Grocery – PAs are in final stages of developing a new go-to-market strategy for the small to medium-sized grocery segment. The new offering combines targeted messaging with bundled incentives to increase participation and depth of savings with the small and medium-sized grocery segment. The new offering will be implemented in Q3 2013.
- Upstream HVAC – PAs expanded the highly successful upstream lighting approach to HVAC equipment on April 1, 2013. The new upstream model is the first of its kind in the Eastern US and is expected to significantly increase participation and savings with commercial HVAC equipment. PAs have successfully recruited most manufacturers and distributors into the initiative and are awaiting initial results.



Upcoming Activities

The C&I Advisory Group will continue to support the implementation of the Plan. Specific areas of focus in coming months will include:

- Monitor PA achievement towards goals and spending and continue to work with the PAs to address possible 2013 goal shortfalls.
- Continue to work with the PAs to support achievement of Three-Year Plan Commitments.
- Continue to work with PAs, stakeholders, Council, and others to develop an integrated solution for utility-owned street lights.
- Continue to work with PAs and DEP on water/wastewater strategy.
- Continue to work with PAs to make a stronger connection and feedback loop between evaluation and implementation.
- Continue to support the Commercial Real Estate Working Group and develop a PA roadmap to address the segment.
- Continue National Best Practice Research to support PA strategy and achievement of Plan commitments. The first three topics to be researched are: 1) National Best Practices with Restaurants and Lodging, 2) National Best Practices with Healthcare and Hospitals, and 3) National Best Practices with Commissioning/Retro-commissioning..

Residential and Low Income Advisory Group

Highlights from the Past Month

The Residential Advisory Group covered key program areas by engaging with the Residential Management Committee (RMC) and key initiative working groups and on several topics.

- **General:** Engaged the PAs on high-level Residential Sector issues at the Residential Management Committee (RMC) meetings, and through individual communications with RMC members. Monitored PA progress on new initiative enhancements and action plans. Communicated and coordinated with the DOER Residential Team liaison regarding residential sector issues. Reviewed and commented on PAs' 2012 Annual Reports, including data and key program metrics. Participated in Residential Barriers Working Group meeting, seeking elaboration on PA updates and suggesting integration of community initiatives with C&I municipal efforts.
- **Lighting & Products:** Updated lighting best practices paper to include TRC cost/annual kWh saved. Met with RMC to review and discuss lighting best practices findings, which PAs indicated they would examine with a view to their 2014 program. Continued to monitor YTD lighting and appliance initiative activity relative to goals. Discussed TV and refrigerator planning issues with Council's lead evaluation consultant and summarized discussions and analysis to date to inform consultants' next engagement

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- with PAs. Reviewed and commented on NEEP business and consumer electronics (BCE) study and participated in NEEP BCE webinar. Monitored continued progress of both regional (all homes) and MA-specific low income lighting hours of use studies (low-income results due shortly, non-LI result expected by January of 2014).
- **HVAC:** Reviewed HVAC/Gas Networks agenda and meeting minutes. No issues requiring Consultant participation this month.
 - **New Construction:** Conducted introductory meeting by telephone with PA lead for the Residential New Construction Working Group (JMC). Shared information about DOE's renewable ready checklist, which was then discussed at Aug. JMC meeting.
 - **HES:** Identified data sources and responded to Council inquiries on HES initiative activity. Reviewed MA HES production compared to Home Performance with ENERGY STAR national program results.
 - **Multifamily:** Drafted recommendations for multifamily retrofit program for RMC in areas of Res/C&I integration, education, segmentation, incentive designs, benchmarking, and financing. Conducted additional multifamily program research of other programs' results and data sources to supplement recommendations.
 - **Behavior/Feedback:** Discussed gas PAs' efforts to bring behavior program to market.
 - **Low Income:** Reviewed Low Income Best Practices working group meeting agenda, minutes, assignments, and meeting materials. No issues requiring Consultant participation this month.
 - **Evaluation Coordination:** Reviewed and provided comments on eight proposed residential evaluation studies.

Upcoming Activities

The Residential Advisory Group will continue to work with the PAs on planning tasks and preparation activities toward the successful implementation of the 2013-2015 statewide plan.

- Continue program planning discussions with the PAs at the Residential Management Committee (RMC), including on monitoring progress on the key Three Year Plan implementation tasks. Discuss Q2 2013 and 2012 annual report results with RMC, identifying concrete steps toward achieving 2013 goals and reducing cross-PA variations.
- Participate in Residential Barriers Working Group meeting(s); provide input on report to DPU.
- Present multifamily best practices research to RMC; identify next steps for consultants and/or PAs.
- Identify additional best practices research topics with RMC.
- Continue work to encourage gas/electric behavior program integration.



- Work with Council and PAs on compiling data to support consideration of program results for HES initiative and opportunities for additional efficiencies and savings.
- Continue to monitor YTD lighting and appliance initiative activity relative to goals. Monitor PAs' assessment of Consultants' recommendation to accelerate support for LEDs.
- Continue to monitor proposed or ongoing residential upstream HVAC and DHW activities in CT and RI to inform possible MA efforts.
- Participate in NEEP heat pump water heater (HPWH) working group call.
- Continue work with other Consultants to determine best approach to address PAs' refrigerator and TV planning assumptions. Consider possible impact on PAs' Consumer Products Initiative efforts.
- Monitor progress of regional residential lighting hours of use study.

Evaluation, Measurement & Verification Advisory Group

Highlights from the Past Month

The EM&V Group continued to advance toward completion the ten 2012-2013 studies that are still in progress. These studies are generally expected to be completed between Fall and early Winter of this year. In addition, the Group completed the following activities.

- Continued detailed planning of high-priority new 2013-2014 studies and advanced several into the implementation stage.
- Began initial scoping of numerous additional 2013-2014 studies agreed upon at the February and May evaluation planning summit meetings.
- Began working with PAs to develop integrated 12-18 month overall evaluation plans for each major research area (Residential, Non-Residential, Cross-Cutting).
- Attended August EMC meeting. Worked with Planning and Analysis Advisory Group and PAs to develop approaches for studies negotiated in the term sheets and included in the orders for the Three-Year Plans.

Upcoming Activities

In September we expect to focus most sharply on evaluation planning. This includes 1) developing integrated 12-18 month evaluation plans for each of the three major research areas and 2) moving additional new 2013-2014 studies from the planning to the implementation stage. We will also continue advancing toward completion those studies that are already being implemented.