



## Memorandum

To EEAC  
From Eric Belliveau and the EEAC Consultant Team  
Date 9 February 2012  
Subject Monthly Report – January 2012

The Consultant Team is pleased to provide this monthly update to the Council on our recent activities. This month's report includes a new calendar presentation of upcoming events and milestones, which appears at the end of the memo.

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### Highlights from the Advisory Groups

#### Planning & Analysis Advisory Group

- Discussed and reviewed drafts of initial planning and analysis activities for the early stages of the development of the next Three-Year Plans (2013-2015), including the market analysis being conducted by several PAs, C&I surveys/interviews and market analysis, analysis of the economy and its effects, and information available in EM&V studies and reports.
- Worked with the PAs to develop a proposed schedule for the next Three-Year Plan process.
- Developed analysis and recommendations on the DPU EE Guidelines NOI regarding net savings and environmental/carbon compliance costs for the consideration of the Council and individual Councilors, as directed. Drafted documents on the two topics including options for addressing the issues identified in the NOI. Prepared and delivered a presentation on determining net savings on January 26.
- Continued discussions of approaches for documenting energy savings and baselines for future planning, including in meetings with the PAs.
- Reviewed the 2011 preliminary year-end estimates and PA data on 2011 performance.
- Heard and reviewed the public comments presented at the January 10, 2012 public input session.
- Conducted follow-up analysis regarding the PA-proposed and filed 2012 Mid-Term Modifications and reviewed the DPU 08-50 data tables for the 2012 MTMs.
- Reviewed the 2010 Annual Reports and performance incentive metrics submitted to the DPU by the PAs.





### **C&I Advisory Group**

- Continued on-going engagement with PAs on C&I planning and program design. Particular focus in January included: codes & standards strategies and EM&V approaches; CHP; further efforts to improve gas and electric integration; monitoring of community-based initiatives in Pittsfield and Northampton; and monitoring of progress and ramp-up with the upstream lighting initiative.
- Developed the full Work Plan / Scope of Work and Budget for the Consultant Team for 2012; answered follow-up questions from DOER and the Attorney General's office.
- Held a two hour charrette to develop both short-term and long-term strategies and program changes/enhancements that will lead to achievement of the goals of the next three years and into the future. The results of the charrette were summarized into key priorities and specific strategies that will be provided to the EEAC for potential inclusion in the Priorities Resolution in early February. The Consultant Team is also providing the PAs with opportunities to review, comment, and provide feedback on these priorities and strategies, as discussed in the "Upcoming Activities" section below.
- Reviewed and provided comments on proposed Multifamily Potential Study, participated in teleconference with EM&V Advisory Group to discuss.
- Participated in webinar and follow-up meeting with NEEP on current NEEP initiatives and role in MA.
- Verified that the metric claims filed with final PA 2010 Annual Reports comported with the agreements made earlier with the consultants.

### **Residential Advisory Group**

The Residential Advisory Group covered key program areas by engaging with several working groups.

- **General:** Engaged the PAs on high level Residential Sector issues at the bi-weekly Residential Management Committee (RMC) meeting, including on communicating new agenda, minutes and documentation requirements to the residential working groups. Communicated with the DOER Residential Team, at their weekly calls, about residential sector issues. Participated in weekly EEAC Consulting Team calls and bi-weekly RES Consulting Team coordination calls. Participated in Consulting Team strategic planning meeting to brainstorm a vision of where the Massachusetts residential programs could be in five years.
- **Home Energy Services:** Reviewed and monitored progress of the HES working group and Contractor Best Practices group.
- **Deep Energy Renovation pilot:** Attended *ad hoc* deep energy renovation planning meeting with DOER and others. Revised the draft 2013-15 proposal for a cost-effective DER-HES program and presented it to the RMC for discussion.



- **Products:** Participated in Efficient Products meeting which included presentation on recently completed floor and shelf space surveys for lighting, appliances and consumer electronics. Began initial engagement on 2012 planning.
- **HVAC:** Continued participation in RMC discussions on expanded boiler replacement opportunity, including review of updated measure screening. Worked with Cool Smart PAs and RMC to seek approval on proposed HEAT Loan eligibility of high efficiency CAC measure. Continued discussions through RMC on PAs' HPWH conversion measure.
- **Codes and Standards:** Met with PAs, their consultants, and advocates to review plans for standards initiatives. Participated in follow-up standards discussion with PAs, their consultants and DOER. Reviewed and provided comments on AESP estimates of standards savings in Massachusetts.
- **Residential New Construction:** Participated in Joint Management Committee (JMC) working group to review 2011 status and evaluation results and start three year planning. Discussed stretch code changes with DOER.
- **Low Income Retrofit:** Reviewed and monitored progress of the Low Income Best Practices working groups.

### **Evaluation, Measurement & Verification Advisory Group**

- **Umbrella Marketing:** oversaw the fielding and reporting of residential focus groups and C&I in-depth interviews, leading into the development of quantitative statewide residential and non-residential surveys on umbrella marketing issues to be fielded in February-March. Provided input to the development of instruments and sampling plans for these surveys.
- **Residential Lighting:** finalized plans for additional market assessment activities to be performed in the remainder of 2011 and early 2012, including shelf stocking surveys, supplier interviews, and a sensitivity analysis of the effects of market changes on expected savings.
- **Non-Energy Benefits:** Moved studies of C&I prescriptive and C&I custom NEBs into the field.
- **Multifamily:** Provided extensive comments on first draft of final report on the Multi-Family Market Assessment and Savings Potential study and Home Energy Services engineering assessment.
- **In-Progress studies:** Moved forward some 25-30 studies already in the implementation phase, such as the C&I Code Compliance study, comprehensive process evaluation of large C&I programs, approximately nine C&I impact evaluations, impact evaluation of the Home Energy Services program, a combined impact and process evaluation of Low-Income programs, process evaluation of multi-family programs, and evaluations of several residential retrofit pilot programs.
- **CHP:** Finalized the CHP impact evaluation report. Solicited and received from contractors on a draft framework focusing on the type and amount of metering of CHP projects to be performed going forward.



- **EM&V Forum:** Finalized plans to move forward with a regional study of VSD loadshapes. Helped to advance several Forum studies already in the implementation stage, including emerging measures protocols, incremental costs study, and a regional market lift pilot for residential lighting.
- Provided EM&V input to the legislatively mandated savings potential analysis.
- Provided EM&V-related input into the DPU investigation on savings basis issues.
- Began discussions with PAs on planned evaluations of the Northampton and Pittsfield C&I CMI pilots.
- Developed EM&V portion of draft 2012 EEAC consultant workplans.

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## Upcoming Activities

At the request of the council, this month we begin providing a calendar summary of upcoming events and activities related to our Consultant activities, PA implementation work, and important filings and work-product milestones. A two-month calendar appears after the Advisory Group summaries.

## Planning & Analysis Advisory Group

Three year planning activities are ramping up quickly and will be the major focus of nearly the entire Consultant Team for the next several months. Some of the specific tasks we anticipate are:

- Conduct initial analysis and review of 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, C&I surveys/interviews and market analysis, analysis of the economy and its effects, information available in EM&V studies and reports, and updated results from potential studies in the region. Contribute analysis towards the assessment of potential.
- Work with the PAs and Council to finalize a schedule for the Three-Year Plan process, for Council review in February. Develop templates and processes for completion of the Initial Draft Plans to be submitted to the Council in April 2012. Work with the Council and the PAs to prepare the Initial Draft Three-Year Plans.
- Support the EEAC by continuing analysis and work on the DPU EE Guidelines NOI regarding net savings and environmental/carbon compliance costs, as directed by the Council. Follow up with the Council including on any Council documents as required.
- Participate on behalf of the Council in any other DPU 08-50 processes, potentially including reporting and bill impacts, as scheduled and as assigned.
- Review and assess achievement of the 2011 year-end savings and benefits goals and other Council priorities by reviewing and analyzing the 2011 year-end qualitative and quantitative quarterly reports (for the February EEAC meeting). Review, compile, and comment on 2012 dashboard monthly reports, and review the 2011 trends.



- 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.
- Support the EEAC as needed during the DPU review the 2010 Annual Reports, including the PA performance incentive and metric claims in the Annual Reports.

### **Residential Advisory Group**

- **Codes and Standards:** Continue the dialogue with the PAs, their consultants and advocates to identify specific products and a plan for incorporating them into a standards initiative.
- **Three Year Planning activities:** Three year planning activities are ramping up quickly at the RMC and in the individual working groups, and will be the major focus of the consultants from now through April.

### **C&I Advisory Group**

The C&I Advisory Group will continue to have on-going engagement, monitoring and review of PA plans, activities and accomplishments.

- Prepare a memo to be provided to the EEAC in February on CHP. The intent of the memo is to answer the questions: How is CHP being promoted by the public sector and external market actors in other jurisdictions? What is the program design? Are there lessons to be learned from other programs and how do the findings relate to Massachusetts efforts to promote CHP?
- Lead PA input sessions on priorities and strategies that will be proposed for the EEAC Priorities Resolution and ultimately inform the direction and areas of focus for the Three-Year Plan. The input session for National Grid and NSTAR will occur February 3; February 8 is the date for the other PAs. These priorities and strategies will be provided to the EEAC in shortly thereafter.
- Prepare a memo for the PAs and DOER on the Vermont experience with overcoming barriers to implementation of a Street Lighting Program.
- Encourage the PAs to begin planning efforts for the Three-Year plan in earnest and work towards scheduling of additional planning session(s) with the PAs to be set up in February. The current forum for this planning - the PA C&I Management Committee Meetings - will be missing key members in the February 8 meeting and has been canceled on February 22 due to school vacations.

### **EM&V Advisory Group**

- Continue moving in-progress studies through the implementation process
- Finalize reports on a number of studies nearing completion. Note that these studies are scheduled for completion at some time during February or March, although there are no specific due dates. Therefore, they do not appear on the calendar below. The studies include: Multifamily Market Characterization and Potential study, Residential New Construction baseline study, CHP metering

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## CONSULTANT TEAM

framework report, Brushless Fan Motor Pilot evaluation, Heat Pump Water Heater Pilot evaluation, Solar Water Heating Pilot Evaluation, ECM Motor Pilot evaluation, and Lighting Fixture Summer Metering impact evaluation.

- Receive draft of Low Income Process Evaluation, finalize 2012 evaluation work plans
- Begin implementation of the job creation and 300-750 kW studies.



# February 2012

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
		1	2	3
6	7	8	9 PA report on 2011 preliminary year end and Q4 data  Mass Save Vendor Open House, NSTAR Headquarters, Westwood	10
13	14 Council meeting: Councilors review draft summary template for Draft Three-Year Plans and draft EEAC Priorities	15 Mass Save Vendor Open House, Beechwood Hotel, Worcester	16	17
20	21	22	23 Mass Save Vendor Open House, Bay State Conference Center, Mass Maritime Academy	24
27 Due date for reply comments on DPU 11-120 NOI on determining net savings and carbon compliance costs	28 PA draft of pre-weatherization barrier proposal due for review at the RMC  Deep Energy Measure Verification Workshop, Clark University, Worcester - sponsored by DOER  Mass Save Vendor Open House, Wyndham Boston-Andover Hotel, Andover	29		

# MA EEAC



CONSULTANT TEAM

## March 2012

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
			1	2
5	6 Consultant Team submits initial draft of market and potential assessments	7	8 Consultant Team submits analysis and recommendation regarding options for Three-Year Plan goals  Mass Save Vendor Open House, Clarion Hotel, Northampton	9
12	13	14	15	16 PAs and Consultant Team submit initial draft EM&V Plan for 2013-2015
19	20 Deep Energy Measure Verification Workshop sponsored by DOER, Peabody	21	22	23
26	27	28	29	30