

# Memo

To: **EEAC**  
From: **Eric Belliveau and the EEAC Consultant Team**  
Date: **June 16, 2016**  
Subject: **May Monthly Report**

The Consultant Team is pleased to provide this update to the Council on our recent activities.

## SUMMARY OF MAIN TASKS COVERED IN EACH SECTION OF THE REPORT

### EM&V

- Planning EM&V studies in support of the Demand Response pilots at NGRID and CLC
- Advancing ~ 35 studies to the implementation stage and processing several final EM&V reports in various stages of completion
- Developing and presenting a comprehensive EM&V update, leading an informal discussion, and reviewing two EM&V presentations by the PAs for the May Council Meeting.
- Preparing for and participating in a strategic planning meeting with DOER staff

### PLANNING & ANALYSIS

- Preparing for, attending, and providing technical support for the EEAC and ExCom meetings
- Following up on the PA-developed Demand Savings Group final report, and providing technical support on demand issues including for the Demand Savings Group meeting in May
- Identifying and developing descriptions of future strategic planning topics
- Assisting with the development of presentations for upcoming EEAC meetings

### RESIDENTIAL AND LOW INCOME

- Preparing for and participating in a strategic planning meeting with DOER staff
- Meeting with the Residential Management Committee to discuss several program updates and continue work on the renter key performance indicators
- Participating in an evaluation workshop on the residential HES and multifamily retrofit initiatives

### COMMERCIAL AND INDUSTRIAL

- Preparing for and participating in a strategic planning meeting with DOER staff
- Researching new technologies
- Providing feedback on EM&V work plans and reports
- Participating in CIMC meetings

### TECHNICAL SERVICES

- Continuing regular administrative functions, including EEAC meeting minutes and website maintenance and document uploads
- Beginning work on the 2013-2015 Report to the Legislature

## EVALUATION, MEASUREMENT & VERIFICATION

### Oversee EM&V Planning

The EM&V Advisory Group continued its work with the PAs and the Residential Demand Response EM&V contractor team to plan EM&V studies in support of the demand response pilots at National Grid and Cape Light Compact. The Group also continued working with the PAs to advance the remaining studies laid out in the 2016-2018 Strategic Evaluation Plan (SEP) to the implementation stage. This process is now nearly complete, and the majority of studies discussed in the SEP have either reached the implementation stage or are nearing it. At the same time, as envisioned in the SEP, the PAs and the Group have begun planning several additional studies beyond those specifically called out in the SEP.

### Oversee EM&V Study Implementation

The Group advanced toward completion roughly 35 studies currently in the implementation stage. The bulk of these are studies called out in the SEP that have now reached the implementation stage. A few are highly data-intensive studies, with correspondingly long timelines, which were begun at least a year ago and are now nearing completion. Two examples of the latter category are the Minisplit Field Monitoring study and the Residential Single-Family New Construction Baseline and Code Compliance study. One particular implementation activity of note was in-person participation in three workshops held in support of HES and Multifamily studies, the C&I Baseline Framework study, and the C&I Impact Evaluation Framework study.

### Oversee EM&V Reporting

Working with the PAs, the Group processed a number of final EM&V reports in various stages of completion. A particular area of emphasis has been the draft final report of the C&I On-Site study, which has been one of the most ambitious EM&V studies ever fielded in Massachusetts. Another highlight is the final report on a new Low-Income Non-Energy Impacts study, which appears likely to lead to substantial increases in the household NEIs being credited to LI programs.

The Group also continued working with the PAs to develop the EM&V components of the upcoming term year report, including resolving a few lingering issues regarding retrospective application of impact evaluation results.

### Council and Stakeholder Engagement

The Group participated extensively in the May Council meeting, including developing and presenting a comprehensive EM&V update, leading an informal discussion, and reviewing and commenting on two EM&V presentations by the PAs. The Group also met with DOER and individual Councilors in preparation for the Council meeting. Lastly, the Group worked with DOER and the PAs to coordinate DOER involvement in a number of studies of particular interest to the Department.

### EM&V Policy Issues

The Group participated in a strategy session held between DOER and the EEAC Consultants.

## PLANNING AND ANALYSIS

In May 2016, the Planning and Analysis (P&A) Advisory Group focused on the primary tasks described below to assist the Council. The Group's primary tasks were providing technical support and coordinating with the PAs on demand issues. This included following up on the PA-developed Demand Savings Group report submitted on March 31, 2016, and participating in the Demand Savings Group meeting, identifying and developing descriptions of future strategic issues (strategic planning), and contributing to and assisting with the development of presentations on EM&V and also on demand management/demand response for the April and May EEAC meetings.

### Participate in EEAC Meetings; Brief and Support the Council

The P&A Advisory Group prepared for, attended, and provided technical support during the meetings of the EEAC and coordinated through the ExCom during the month. The Group coordinated with DOER as chair of the Council

on a weekly basis, and briefed individual Councilors in advance of the EEAC meeting and during the month. The substantive issues and outcomes are summarized in the task descriptions below. Also, the P&A Advisory Group assisted with developing, planning, and coordinating potential topics for future EEAC meetings. EEAC Meeting and Council support is on-going and is a regular monthly task area.

### **Support the Council on Regulatory Issues and DPU Proceedings**

The P&A Advisory Group reviewed the demand response section of the DPU Order on the 2016-2018 Plan, as part of the coordinated work with the Demand Savings Group.

### **Provide Technical Analysis and Review/Assess Reports**

The P&A Advisory Group reviewed the quarterly report and the new format presented by the PAs, briefed councilors on the new format, and provided initial comments.

### **Planning and Analysis Support for Implementation of the 2016-2018 Plan**

The P&A Advisory Group provided the Council with information and analysis to explore and advance future opportunities for energy efficiency and demand reduction programs through the implementation of the 2016-2018 Plan. In May, the Group assisted with the development of presentations for the upcoming EEAC meetings on EM&V (for the May meeting) and demand reduction issues (early preparation for the June meeting).

The P&A Advisory Group provided technical support for the Demand Savings Group and analysis of peak demand issues. As part of this work, the Group followed up on the PA-developed Demand Savings Group final report that was completed in March 2016, participated in the Demand Savings Group meeting, and prepared for the Demand Reduction Subcommittee meeting schedule for June.

The P&A Advisory Group identified and developed descriptions of strategic planning issues for future consideration and discussion, and met with DOER to discuss the potential future strategic planning topics.

## **RESIDENTIAL AND LOW INCOME SECTORS**

### **Technical Support for Programs and Effective Practices**

The Residential Advisory Group conducted scenario analysis and prepared residential discussion topics for a strategic planning meeting with DOER staff, which all Group members attended. It also participated in meetings of the Contractor Engagement Working Group on May 4 and May 24. The Group began work on an overview of the multi-family programs administered by the PAs in Massachusetts, including reviewing a new performance-based offer for multi-family high rise new construction.

### **Participate in RMC and Council Meetings**

The Group discussed several items with the Residential Management Committee at its May 18 meeting, including updates from the PAs on work to streamline the materials presented to recipients of home energy assessments, wireless communicating thermostats offered as direct install measures through the Home Energy Services Initiative, and selection of a new vendor for the refrigerator recycling vendor. Discussion of the renter initiative key performance indicators is nearing completion.

### **Coordinate with EM&V Efforts and Incorporate Feedback from EM&V Studies into the Programs**

Members of the Residential and EM&V Advisory Groups participated in our monthly coordinating call to exchange updates on work and developments of shared responsibility. On May 4, members of the Residential Group attended an evaluation workshop on the residential HES and multifamily retrofit initiatives and provided input on future research efforts. The Group also reviewed and commented on a draft lighting onsite evaluation report and revised lighting interactive effects memorandum.

## COMMERCIAL AND INDUSTRIAL

### Technical Support for Programs and Effective Practices

In May, the C&I Advisory Group spent time identifying potential risks to and opportunities for the programs and provided possible strategies to address those topics as part of a strategic planning session with DOER. The Group generated strategic ideas and discussed and ranked them to develop priorities. The Group then began developing abstracts to further identify problems, issues and opportunities; identify why the topic is significant; and provide a strategy and actions for addressing the matter. The Group also looked at what impacts changes to the value of carbon have on CHP cost-effectiveness.

### Technical Support for New Technologies and Innovation

The Group investigated the potential for savings from streetlight controls by reviewing reports that document savings from various controls strategies. The Group also did some research on new technologies that may be applicable to the strategic planning exercise explained above.

### Participate in CIMC and Council Meetings

The Group participated in CIMC meetings, contributed input to presentations delivered to the Council, and planned for future CIMC meetings.

### Incorporate Feedback from EM&V and Studies into the Programs

The Group reviewed and commented on a proposed Whole Building approach for the New Construction program that would account for coming changes in the code. This was also a topic of discussion during the May CIMC meeting. The Group also continued to review the Onsite Assessment draft reports.

## TECHNICAL SERVICES

### Produce Minutes from all EEAC Meetings

The Consultant Team is charged with producing draft and final meeting minutes for each EEAC monthly meeting. The Team produced draft minutes for the May 25 EEAC meeting and forwarded them to the EEAC Chair. The EEAC approved April 20, 2016 meeting minutes at their May meeting. These minutes along with all documents and presentations distributed at the May meeting have been posted on the EEAC website.

### EEAC Website Upgrades, Revisions & Maintenance

Consultant Team staff continue to manage the updated website on a day-to-day basis. In May, this included posting materials for the May 25 EEAC meetings and other meetings that occurred during the month.

For the month of May 2016 there were:

- 1,504 sessions
- 959 users: 49% new visitors and 51% returning visitors
- 3,814 page views with an average of 2.5 page views per session

### Produce the Annual Report to the DPU and Legislature

In May, the Team requested information from the PAs to include in the 2013-2015 Report to the Legislature.