

# Memo

To: **EEAC**  
From: **Eric Belliveau and the EEAC Consultant Team**  
Date: **July 8, 2016**  
Subject: **June 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 additional studies beyond those specifically called out in the SEP
- Advancing 35-40 studies to the implementation stage and processing several final EM&V reports in various stages of completion
- Beginning a series of monthly check-in calls with DOER on EM&V strategy and status
- Developing an approach to handling baseline assumptions for non-residential new construction projects

### PLANNING & ANALYSIS

- Preparing for, attending, and providing technical support for the EEAC and ExCom meetings
- Providing analysis and technical support on demand issues
- Continuing efforts to fill out descriptions of several future strategic planning topics
- Preparing for review of the 2013-2015 Three-Year Term Performance Report

### RESIDENTIAL AND LOW INCOME

- Supporting preparations for the Low Income discussion at the July Council meeting
- Continuing to advance strategic planning work
- Providing technical support on demand reduction and home automation savings potential
- Meeting with the Residential Management Committee to discuss the Group's planned multi-family program overview and key performance indicators for the moderate income initiative
- Continuing to coordinate with program evaluation efforts

### COMMERCIAL AND INDUSTRIAL

- Participating in demand planning and discussions
- Reviewing changes to CHP incentives, and supporting SEM investigative efforts
- Reviewing changing lighting codes and LED streetlight reports
- 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

## EVALUATION, MEASUREMENT & VERIFICATION

### Oversee EM&V Planning

Working with the PAs, the EM&V Advisory Group nearly finished advancing the studies laid out in the 2016-2018 Strategic Evaluation Plan (SEP) to the implementation stage. At the same time, as envisioned in the SEP, the PAs and the Group have started planning additional studies beyond those specifically called out in the SEP. A few recent examples include a new C&I compliance study, a small business impact evaluation, and a residential lighting customer decision-making study.

The Group also continued its recent work with the PAs and the Demand Response EM&V contractor teams to plan EM&V studies in support of emerging DR pilots and programs. In June the first individual DR study, of National Grid's Direct Load Control (DLC) program, neared the implementation stage.

### Oversee EM&V Study Implementation

The Group advanced toward completion roughly 35-40 studies currently in the implementation stage. Implementation of 2016-2018 studies is now in fully underway

### Oversee EM&V Reporting

The Group processed a number of final EM&V reports in various stages of completion. A few highlights include the Low Income Health and Safety-Related Non-Energy Impacts study, the Single Family Code Compliance/Baseline study, the C&I On-Site study, the Residential Lighting On-Site Saturation study, and the Lighting Interactive Effects study.

### Council and Stakeholder Engagement

The Group worked with DOER and the PAs to coordinate DOER involvement in a number of studies of particular interest to the Department, and also answering follow-up questions from Councilors following the EM&V presentations at the May Council meeting. Lastly, the Group began a series of monthly check-in calls with DOER on EM&V strategy and status.

### EM&V Policy Issues

The Group collaborated with the PAs on developing an approach to handling baseline assumptions for non-residential new construction projects under the latest code iteration, IECC 2015. The Group also contributed comments on the new quarterly report format and provided input into the demand response presentations for the June Council meeting.

## PLANNING AND ANALYSIS

### 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 DPU's Order regarding the template to be used for the 2013-2015 Three-Year Term Performance Report, which the PAs will complete and file in August. This report will contain three years of results from the 2013-2015 Plan. The Group also raised one issue with the PAs regarding the reporting of actual revenues collected from customers and other sources ("funding sources"), which are used to support the programs.

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

The P&A Advisory Group reviewed the quarterly report and individual councilor comments on the new format presented by the PAs. The Group will work with the PAs to address the 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 June, the Group focused on peak demand reduction issues and assisted with the development of presentations for the June EEAC meeting.

The P&A Advisory Group provided analysis and technical support on demand issues throughout the month – and reducing peak demand was the primary focus of P&A Group work in June. In early June the Group prepared for and provided technical support during the Demand Reduction Subcommittee meeting. The Group also prepared and presented a consultant briefing on peak demand issues at the informal session prior to the June EEAC meeting. And the P&A Group prepared, reviewed and commented on drafts, and participated in the demand-related agenda items and facilitated the PA panel during the June EEAC meeting. The P&A Group continues to work on next steps to increase peak demand reductions through demand resources in coordination with the PAs.

The P&A Advisory Group continued work on developing descriptions of some strategic planning issues for future consideration and discussion, and met with DOER to discuss the several future strategic planning topics.

## **RESIDENTIAL AND LOW INCOME SECTORS**

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

The Residential Advisory Group continued its strategic planning work with DOER by developing a more detailed description of planned work in several areas, including an overview of multi-family programs. The Group's Coordinator attended the Contractor Listening Session DOER held for HES contractors on June 16. The Group reviewed the PAs' residential demand reduction efforts and compiled additional preliminary topics for exploration in this area. To support the July Council meeting, the Group talked about possible discussion items with DOER and the PAs, compiled low income topics to be addressed, and reviewed and commented on the PAs' draft presentation on leveraging multi-family refinance events. The Group also reviewed a home automation potential study from the Consumer Technology Association and provided it along with brief highlights to RMC leadership.

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

At the June 8 Residential Management Committee meeting, the Group discussed draft key performance indicators for the moderate income customer initiative that it had prepared for the RMC's review and comment. It also provided the RMC with preliminary information on multi-family research work. The June 22 RMC meeting included continued discussion on these topics, including review of a draft outline for a multi-family program overview project, and discussed possible low income presentation topics for the July Council meeting.

### **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. The Residential Advisory Group reviewed and provided comments on draft stage 2 HES and multi-family evaluation plans and evaluated an LED market research proposal. It also continued its work on the lighting interactive effects study and the lighting Market Adoption Model.

## **COMMERCIAL AND INDUSTRIAL**

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

In June, the C&I Advisory Group worked on a wide range of tasks to support the planning and implementation of

the Massachusetts programs. These included writing abstracts to outline the plans for supporting program implementation on a number of topics determined by the strategic planning process that occurred in May. The Group also reviewed and provided input on demand plans and presentations developed by the Program Administrators. The Group also reviewed changes the PAs made to the incentive structure for Combined Heat and Power projects and investigated the impact of different benefit values on CHP cost effectiveness. The Group also supported PA efforts to investigate strategic energy management by providing a list of experienced SEM program managers and implementation professionals to the PAs.

### **Technical Support for New Technologies and Innovation**

The Group reviewed a NEEP report on emerging technologies and their costs for applicability to the Massachusetts programs. The Group also reviewed a report issued by the American Medical Association regarding concerns about LED streetlights impacting human health and the environment. The AMA's concern is that LED lighting with significant blue wavelength content can produce glare, disrupt circadian rhythms, and increase light pollution. The Consultants believe these concerns can all be addressed through good design, careful specification of equipment, and streetlight controls.

### **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. The Team also began planning for the September 21 C&I focused Council meeting.

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

The Group reviewed a list of reports that could be relevant and useful for updating the Technical Resource Manual (TRM), and made suggestions for additions to the list. The data contained in the reports will be used to inform any changes to the TRM in order to keep the TRM up to date.

## **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 June 21 EEAC meeting and forwarded them to the EEAC Chair. The EEAC approved May 25, 2016 meeting minutes at their June meeting. These minutes along with all documents and presentations distributed at the June 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 June, this included posting materials for the June 21 EEAC meetings and other meetings that occurred during the month.

For the month of June 2016 there were:

- 1,483 sessions
- 878 users: 47% new visitors and 53% returning visitors
- 4,505 page views with an average of 3 page views per session

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

At the end of June, the Team received case studies from some of the PAs to include in the 2013-2015 Report to the Legislature.