

Memo

To: **EEAC**
From: **Eric Belliveau and the EEAC Consultant Team**
Date: **January 12, 2018**
Subject: **September-November Consultant Team Summary Report**

The Consultant Team is pleased to provide a summary to the Council of our activities.

This report serves as a summary of key activities, accomplishments, and deliverables completed by the Consultant Team during the September-November 2017 timeframe.

SUMMARY OF MAIN TASKS COVERED IN EACH SECTION OF THE REPORT

THREE-YEAR PLANNING

- Preparing briefing documents, recommendations, and presentations for 5 EEAC Stakeholder Planning Workshops
- Coordinating with the PAs on the PA potential studies
- Beginning initial work on putting together the assessment of potential

EM&V

- Planning for the EM&V summit meetings
- Advancing 55 studies in the implementation stage and advancing roughly 20 studies in the reporting stage
- Supporting policy issues including: the Demand Reduction Committee, various working groups associated with the planning of future codes and standards support initiatives; and the Informal Collaborative Discussion group

PLANNING & ANALYSIS

- Supporting early implementation of the next regional avoided cost study
- Working with the PAs to consider and analyze various key indicators for the 2019-2021 Plan term sheet
- Coordinating with the PAs on the demand and demand management presentations for the November EEAC meeting

RESIDENTIAL AND LOW INCOME

- Preparing and giving a presentation on lighting impacts and other innovation drivers for the September 20 EEAC meeting
- Conducting ongoing 2019-2021 planning discussions with the Residential Management Committee
- Reviewing and commenting on draft residential EM&V work products and ongoing coordination with EM&V Advisory Group members

COMMERCIAL AND INDUSTRIAL

- Proving program oversight and monitoring
- Providing feedback on evaluation findings and reports, and ensured incorporation of evaluation results into the programs.

TECHNICAL SERVICES

- Continuing regular administrative functions, including EEAC meeting minutes and website maintenance and

document uploads

THREE-YEAR PLANNING

This section describes three-year planning activities undertaken by all Advisory Groups to some extent.

Briefing Documents

The Residential/ Low Income and C&I Advisory Groups devoted a significant amount of time this quarter to preparing briefing documents for five EEAC planning workshops for the 2019-2021 Plan. These included the following:

- September 26: Residential Planning Workshop #1 [New Approaches in the Face of Rising Baselines and Other Trends](#)
- October 3: C&I Planning Workshop #1 [Advancing/Enhancing Existing Initiatives, Approaches, and Measures](#)
- October 24: Residential Planning Workshop #2 [Advancing/Enhancing Existing Initiatives, Approaches & Measures](#)
- October 31: C&I Planning Workshop #2 [Opportunities for Innovation in C&I](#)
- December 5: Residential Planning Workshop #3 [Developing an Updated Program Vision: Putting It All Together](#) and [Advancing/Enhancing Existing Low-Income Initiatives, Approaches & Measures](#)

The briefing documents included information regarding the status of the PAs' energy efficiency programs in Massachusetts, barriers and opportunities, and draft recommendations for the EEAC's consideration.

The EM&V Advisory and Planning and Analysis Advisory Groups provided input to most briefing documents that were completed during this reporting period.

Stakeholder Workshops

The Residential/Low Income and C&I Advisory Groups prepared and made presentations summarizing the briefing materials for each of the five workshops noted in the above section and drafted recommendations for the EEAC to consider. The Council recommendations resulting from these workshops are intended to guide the program administrators in developing the next Three Year Plan.

The EM&V and Planning and Analysis Advisory Groups provided input to most stakeholder workshops that were completed during this reporting period.

Review of PA Potential Studies

The Planning & Analysis Advisory Group coordinated with the PAs on the PA potential studies, which are expected to be available soon.

Assessment of Potential/Goal Suggestion

The Planning and Analysis Advisory Group began initial work on putting together the assessment of potential including potential study review, trend analysis, and incorporating region results.

EVALUATION, MEASUREMENT & VERIFICATION

Oversee EM&V Planning

A key EM&V planning activity in this reporting period consisted of working with the PAs and DOER to plan the

EM&V summit meetings that ultimately took place on December 6-8. The purpose of the summit meetings was to kick-off the development of the 2019-2021 Strategic Evaluation Plan (SEP).

A secondary EM&V planning activity consisted of moving a number of newer individual projects through the detailed planning process to the implementation stage.

Oversee EM&V Study Implementation

Roughly 55 studies were in the implementation stage during the course of the reporting period. These represent a combination of studies added to the portfolio through either the SEP Update or the Peak Demand evaluation plan (both completed in early 2018) and a scattering of studies initiated more recently. A comprehensive status report on the current status of the Massachusetts EM&V program can be found at <http://ma-eeac.org/studies/>.

Oversee EM&V Reporting

Final reports for roughly 20 studies were either finalized or in progress during this reporting period. Finalized reports included the following: C&I Upstream Lighting Impact Evaluation; Community-Based Marketing study; CHP Process Evaluation; Residential CCSI Trainee Interview report; and Connected Thermostat and Technology Literature Review.

EM&V Policy Issues

Much of the Group's work on EM&V policy issues focused on providing EM&V input and coordination to a number of major policy processes connected to the 2019-2021 Three-Year Plan, as discussed in the Three-Year Planning section of this report. In addition, the Group coordinated with other policy processes such as the Demand Reduction Committee, various working groups associated with the planning of future codes and standards support initiatives; and the Informal Collaborative Discussion group.

Council and Stakeholder Engagement

The EM&V Group engaged with DOER through both monthly overall check-in calls and discussions on issues regarding individual studies.

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 Executive Committee each 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. Also, the P&A Advisory Group assisted with the development, planning, and coordination of potential topics for future EEAC meetings. EEAC Meeting and Council support was an on-going and regular monthly task area.

Provide Technical Analysis

During the September-November timeframe, the P&A Advisory Group supported the start up and early implementation of the next regional avoided cost study, the 2018 AESC study (Avoided Energy Supply Component). The Group worked with the AESC study group to select the winning contractor (Synapse) and kick off the study including finalizing the scope of work. The study will explore alternative pricing periods for avoided energy costs and other approaches for valuing avoided capacity benefits. The Group provided an update briefing to the EEAC in November.

The P&A Group also worked with the PAs to consider and analyze the pros and cons of the various key indicators that could be included in the next term sheet for the 2019-2021 Plan. The key indicators should reflect the new realities of the changes in lighting and other program and technology challenges, and will need to work or coordinate with the advent of EVs, heat pumps and other strategic electrification, distributed generation, storage,

and active demand management.

The Group planned and coordinated with the PAs on the demand and demand management presentations for the November EEAC meeting. The Group also reviewed and analyzed the experience from the summer 2017 demonstrations and initial results.

RESIDENTIAL AND LOW INCOME SECTORS

Technical Support for Programs and Effective Practices

The bulk of the Group's technical support this quarter was devoted to work in support of the 2019-2021 planning process, primarily in the form of the briefing documents described above. In addition, the Group continued its work to assess opportunities and impacts of federal and state appliance standards—particularly lighting—on the Massachusetts programs, analyzed reported data on the renter and moderate income initiatives, met with PA and LEAN representatives to discuss their specific plans, met with Opower to learn about program innovations, responded to various Councilor inquiries, and continued to coordinate with DOER staff.

Participate in RMC and Council Meetings

At the beginning of this quarter, the Group prepared and gave a presentation to the EEAC to kick off the 2019-2021 planning process: [Lighting Impacts and Other Drivers for Residential Program Innovation in 2019-2021 and Beyond](#).

The Group met twice monthly with the Residential Management Committee in each of the months this quarter. Most of these meetings were devoted to discussing the content of the EEAC residential planning workshops. On November 22, our Group arranged a webinar for the RMC at which representatives of Tennessee Valley Authority and their contractor CLEAResult provided information about their recent residential program redesign and the internet-based platform they use to serve their customers and program stakeholders and well as their own administrative needs.

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

The Group continued its monthly coordinating calls with the EM&V Advisory Group to exchange information and discuss priority evaluation issues and implications for implementation. The Group also reviewed and provided comments on drafts of several in-progress residential evaluation outputs, including those related to boilers and residential products. It also participated in webinars to discuss and comment on progress reports on the HES Process Evaluation and Moderate Income Characterization Study.

COMMERCIAL AND INDUSTRIAL SECTOR

Technical Support for Programs and Effective Practices

In addition to preparing for 2019-2021 planning workshops, the C&I Advisory Group spent a significant amount of time in this reporting period on a number of planning and evaluation activities. One of the greatest challenges facing efficiency programs is the dramatic change in lighting that is happening due to the continued improvement in LED technologies, pricing and capability. The Group has been discussing what the future holds for lighting with evaluators and program managers in other jurisdictions, as well as doing research, in preparation for the development of the Three Year Plan in 2018.

The C&I Advisory Group continued to monitor program progress towards goals which included looking into upstream lighting performance, progress toward launching a strategic energy management initiative, streetlight upgrades, combined heat and power projects, and general program performance.

Participate in CIMC and Council Meetings

In addition to participation in CIMC meetings and calls, the C&I Group focused on a pair of Council workshops that were held in October.

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

The C&I Group reviewed and provided input to a number of evaluation proposed work plans and draft evaluation reports. Topics included HVAC baselines, upstream lighting, retrofit lighting controls, HVAC deep dive on market trends, compressed air, combined heat and power, industrial process, and overall baseline classification, methodologies and protocols.

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 August, September, and October EEAC meetings and forwarded them to the EEAC Chair. These minutes along with all documents and presentations distributed at the September-November meetings 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 September-November, this included posting materials for EEAC meetings and other meetings that occurred during the month.

For the September-November time period, there were:

- 4,020 sessions
- 1,739 users: 37% new visitors and 63% returning visitors
- 11,082 page views with an average of 2.7 page views per session

Consultant Team Quarterly Reports

In September, the Consultant Team produced a report of its activities from June 1, 2017 to August 31, 2017.