MA ENERGY EFFICIENCY ADVISORY COUNCIL

CONSULTANT TEAM MEMOS

March EEAC Meeting

▶ **March 16, 2016**

www.ma-eeac.org

NEW MEMOS

The Consultant Team has produced memos on:

- **C&I Training and Education Offerings**
- **Improving C&I Custom Savings Estimates**
- **Energy Productivity / Strategic Energy Management (SEM) Programs**
- **C&I Upstream Offerings**

- **http://ma-eeac.org/studies/**

and look for MA EEAC CONSULTANT TEAM STUDIES on the right side of the page

TRAINING IN MASSACHUSETTS

Purpose:

- **Assess the trainings in Massachusetts with respect to content, frequency, and location**

Findings: The PAs offer or co-sponsor-

- **A wide range of trainings for technical and sales services (examples: commissioning, building operator certification (BOC), steam assessment, selling EE)**
- **A wide range of trainings on technologies (examples: compressed air, steam, VFDs, lighting)**
- **With good coverage across MA**
- **With few gaps in timing**

TRAINING IN MASSACHUSETTS

Recommendations:

- **Broaden the outreach to potential market actors as much as possible, especially with respect to BOC**
- **To the extent that it is possible, include information about the EE programs as an integral part of the trainings**
- **Continue to maintain and expand partnerships with trade organizations, and enlist their help in promoting trainings**

IMPROVING C&I CUSTOM SAVINGS ESTIMATES

Purpose:

- To look for opportunities for the PAs to incorporate feedback from recent EM&V reports into the programs
- Accurate savings estimates are important to the customer, the PAs, and for evaluators

Findings:

- While many NTG ratios are good, the range of project realization rates varies widely
- Better documentation of project baselines could help protect project savings

IMPROVING C&I CUSTOM SAVINGS ESTIMATES

Recommendations:

- **There is an opportunity to better document project baselines and savings calculation methodologies**
- **Metering before and during retrofit project implementation can help better document savings estimates**
- **Commissioning can help verify operation of equipment, therefore ensuring estimated savings are realized**

STRATEGIC ENERGY MANAGEMENT (SEM) PROGRAMS

Purpose:

- **To investigate the potential for savings by increasing energy productivity through the implementation of SEM programs in Massachusetts**

Findings:

- **The PAs currently do a number of activities that are SEM oriented (RCx, behavior)**
- **There is the opportunity to implement a more formal SEM program in MA based on a successful model that could result in an additional 5.7% annual and of 1.8% lifetime savings from operations and maintenance changes in year 5**

STRATEGIC ENERGY MANAGEMENT (SEM) PROGRAMS

Recommendation:

- **The Consultants will be discussing SEM with the PAs through the CIMC**

UPSTREAM PROGRAMS

Purpose:

- **To assess the Upstream programs in Massachusetts as compared to best practices**

Findings:

- **The MA PAs exemplify best practices**
- **There is a process in place to move measures upstream (and remove them when necessary)**
- **There are a lot of new measures in the pipeline for 2016 (circulator pumps, LED fixtures, kitch. equip.)**
- **Documentation and tracking upstream measures can be challenging**

UPSTREAM PROGRAMS

Recommendations:

- **NEEA, PG&E, and SCE have a few measures that should be investigated for applicability in MA**
  - 80 PLUS power supplies for computers, drink marketing coolers, variable refrigerant flow equipment)
- **Look for ways to tie upstream measures to accounts in order to better document who is participating, and where (what towns)**

MA ENERGY EFFICIENCY ADVISORY COUNCIL

THIS IS THE END

Questions?

- March 16, 2016

www.ma-eeac.org