



MTAC

MA Technical Advisory Committee

Bob Dvorchik





Prior to Three Year Plan

- Vendors approached each PA individually with new technology.
- Concerns raised about differing eligibility requirements & incentive levels.



Reoccurring statement from sales people:

“But (insert name of any PA) has approved this for incentive payment.”



MA Technical Advisory Committee

Mission:

- Review new commercial / industrial gas & electric technologies.
- Provide a consistent process for determining incentive eligibility statewide.
- Provide a single point of contact & response to vendors.



MTAC Members

- One technical staff person from each of the eight Massachusetts gas & electric Program Administrators.
- One advisor to the EEAC (non voting).
- Contracted Program Manager with extensive efficiency experience.



MTAC Accomplishments

- Application policy for new technologies posted on Mass Save website.
- Provide a single definitive source for incentive eligibility to equipment vendors.
- Completed or on-going assessment of 23 gas and electric technologies.



MA Technical Advisory Committee Charter

- Research and analysis of specific measures that are candidates for inclusion in the programs.
- Provide documented technology assessments to the Program Administrators.
- The single authority for consistent program interpretation of C&I technical matters to all Program Administrators.



MA Technical Advisory Committee Charter

- Develop protocols for the review and procedures for documenting conclusions and technical interpretations.
- Develop statewide uniform method to calculate savings and incentives.
- Recommend whether a specific new technology should be approved.



MA Technical Advisory Committee Charter

- Proactively investigate promising new or evolving technologies by:
 - Leveraging the work of others.
 - Partnering with other efficiency program administrators.
 - Maintain regular contact with other entities (utilities, trade or industry organizations, regional efficiency organizations, etc.) who themselves conduct or monitor research activity.



Natural Gas Example: Flue Draft Controls

- Installed in the flue of natural gas fired equipment to slow the velocity of flue gas.
- Vendor claimed decrease in fuel use & submitted verifiable analysis.
- MTAC reviewed documentation & determined credible.



Flue Draft Controls

MTAC approval on a case by case “custom” basis:

- Site specific savings calculated.
- Vendor must provide written confirmation from manufacturer of boiler / furnace of each site that safety and warranty would not be compromised.
- Each site must pass Mass Save cost effectiveness screening.
- Vendor & gas PA’s received written confirmation of MTAC determination.



Electric Technology Example: Chemical Additive to Chiller Refrigerant Oil

- Multiple vendors claimed “increased heat transfer will decrease electric consumption.”
- No supporting analysis or metering provided by vendors.
- MTAC inquires of other efficiency programs found nothing to support energy savings claims.



Chemical Additive to Chiller Refrigerant Oil

Vendors received written professional response:

- Not eligible for Mass Save incentives under current program eligibility requirements.
- Invitation to resubmit with documentable analysis and pre / post metering of test sites.



Electric Technology Example: Refrigerated Case Covers



- Reflective insulation cover which is closed after business hours.
- MTAC confirmed significant savings & developed TRM calculation method.
- Now a statewide prescriptive incentive offer @ \$9 / linear foot.

Thank You!

