MTAC
MA Technical Advisory Committee
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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.
• 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.
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!