



# **Energy Efficient Technology Assessment in Massachusetts: MTAC Statewide Process**

- NEEC/AESP Conference
- October 2, 2012 - Hale Powell

## MTAC: A Uniform Statewide Assessment Process for all Eight Electric and Gas Program Administrators

- ✓ National Grid
- ✓ NSTAR Electric and Gas
- ✓ Unitil
- ✓ Western Mass. Electric Co.
- ✓ Cape Cod Light Compact
- ✓ Berkshire Gas Co.
- ✓ New England Gas Co.
- ✓ Columbia Gas



## MTAC Objectives:

- ✓ Provide Single Point of Contact for Vendors and Entrepreneurs
- ✓ Accelerate Review and Approval of New Technologies for Potential Incentive Program Eligibility (2% Annual Savings Goals)
- ✓ Implement Uniform and Transparent Statewide Review Process
- ✓ Conduct Robust Technical Assessment
- ✓ Identify Priorities for Additional Research and/or Program Development
- ✓ Provide Field Guidance for Appropriate Technology Application
- ✓ Recommend Program Approaches to Accelerate Deployment
- ✓ Build Relationships with Other Emerging Technology Entities



## MTAC Technology Requirements

- 1- Be listed, certified, and tested by a recognized national testing laboratory for safety.
- 2- Be currently commercially available.
- 3- Meet all applicable local, state, and federal codes.
- 4- Not void or conflict with warranties of equipment to which it is applied.
- 5- NOT be a maintenance measure
- 6- Be automated and not require manual operation to achieve savings.
- 7- Be permanently installed. Plug-in or moveable devices are not eligible.
- 8- Not be considered marketplace “standard practice” for replacement or new construction.



## Residential and Non-Residential Technologies:

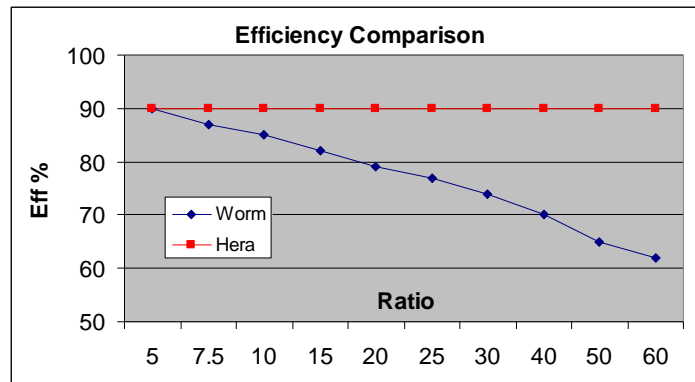
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- ✓ Commercial/Industrial MTAC Committee
  - ✓ Residential MTAC Committee

➤ Massachusetts Technology Assessment Committee (MTAC)



## Assessing Non-Residential Technologies:

- ✓ “Custom” Technologies (site-specific savings and incentives)
- ✓ “Prescriptive” Technologies (uniform savings and incentives)
- ✓ Primary and/or Secondary Research, Field Piloting





## Example Non-Residential MTAC Technologies: (29 considered in 2011 – 2012)

- ✓ Integrated Rooftop HVAC Controls
- ✓ Boiler Flue Draft Controls
- ✓ Enhanced Large Horsepower Pump Refurbishment
- ✓ Network Based PC Power Management
- ✓ Commercial Laundry Polymer Cleaning Technologies
- ✓ High Efficiency Industrial Belt Drives and Speed Reducers
- ✓ HID Lighting Diming Systems
- ✓ Liquid Desiccant Cooling Systems
- ✓ Commercial Refrigeration Controls
- ✓ Hybrid Refrigeration Condensers



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## Example Residential Technologies: (24 considered in 2011– 2012)

- ✓ Communicating Outlets – Demand Response
- ✓ Right Slope Software Tool
- ✓ Vacuum Vapor Heating
- ✓ Spray Polymer Retrofit Duct Sealing
- ✓ Energy Assessment Software
- ✓ Dual Fuel Space Heating
- ✓ Wi Fi Thermostat
- ✓ Heat Pump Water Heater







## Contacting MTAC for Technology Assessment

- ✓ Non-Residential Technologies: [CI\\_MTAC@masssave.com](mailto:CI_MTAC@masssave.com).
- ✓ Residential Technologies: [Residential\\_MTAC@masssave.com](mailto:Residential_MTAC@masssave.com)
- ✓ Internet URL at Mass Save:  
<http://www.masssave.com/professionals/training-and-certifications/assessment%20of%20new%20efficiency%20technologies>
- ✓ Hale Powell (Non-Residential Coordinator): (978) 337-4284



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Questions?

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