

# Michigan Energy Optimization Collaborative Research Sub-Committee: Update

Presentation to Energy Optimization Collaborative

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# Expanding the Collaborative Research Agenda

## **State of MEMD Calibration**

- Calibration has occurred for 70-80% of historical portfolio savings
- Most of the large savings measures have been addressed
- New measures introduced into the MEMD are subjected to a rigorous review and often utilize calibration research for key inputs to savings calculations

## **Expanding the Collaborative Research Agenda**

- Expand research framework to include other opportunities
  - Industry leadership and innovation
  - Deployment of best practices
  - Establishment of compliance paths with federal or state policies
- Sub-committee formed in September 2015 to develop a process for identifying and prioritizing research initiatives

# Review of Process

## 1. First Stage

- Develop screening criteria to focus detailed review and prioritization to a manageable number of research topics
- Implement screen
- Develop more specification on selected ideas

} Sub-  
committee  
meetings  
1&2

## 2. Second Stage

- Develop prioritization framework
- Score selected ideas
- Aggregate scores to identify highest priority/recommended research

} Sub-committee meetings 3 & 4  
January 19 and February 16

## 3. Report to the EO Collaborative

- Recommended collaborative research activities

} March 14

# First Round Research Topics

- MEMD Measure Calibration: Home Energy Report (HER) Savings Model by Usage
- MEMD Measure Calibration: Housing Vintage Categories
- Emerging Technology (Framework and Implementation)
- Emerging Technology: Building Energy Management Systems or BEMS (with focus on behavior)
- Multifamily Programs (with focus on Non-Energy Benefits or NEBs)
- Load Shape Development (Framework and Implementation Plan)
- Building Code Compliance (Methodology and Implementation)

# Topics for EO Collaborative

- One criteria included in the first stage screening process was that the research *does not replicate or duplicate* existing research underway by DTE Energy or Consumers Energy
- Both utilities will share, as appropriate, findings from their independent research in support of the collaborative research objectives
- The sub-committee will review research to develop a short list of topics for EO Collaborative to select from for presentation