Northeast Strategic Energy Management Collaborative Workshop

CO-HOSTS
Dave Lis, NEEP
Greg Baker, VEIC
Wednesday, November 8, 2017
This breakfast is brought to you by:
About NEEP
A Regional Energy Efficiency Organization
Northeast Energy Efficiency Partnerships

“Assisting the Northeast & Mid-Atlantic Region in Reducing Total Carbon Emissions 80% by 2050”

Mission
Accelerate energy efficiency as an essential part of demand-side solutions that enable a sustainable regional energy system

Vision
That the region embraces next generation energy efficiency as a core strategy to meet energy needs in a carbon-constrained world

Approach
Overcome barriers and transform markets through Collaboration, Education, and Enterprise
SEM in the Region

GAINING MOMENTUM
Objectives of today’s Workshop

1. Share experiences/expertise related to energy efficiency program planning and delivery of SEM
2. Raise and potentially address outstanding questions related to SEM generally and efficiency program delivery of SEM more specifically
3. Foster growth of regional SEM infrastructure
Introductions

1. Name, role, organization
2. Favorite movie
Big thanks to our key Workshop Supporter
Thank you to your Allies for their support!
Today’s Agenda

- Welcome/Introductory Session
- Session 1 - Energy Management Assessment
- Break
- Session 2 - Insights from California's ongoing process to develop SEM Program
- Lunch (Speaker)
- Session 3 - DOE’s 50001 Ready Program
- Session 4 - Evaluator’s perspective on SEM
- Session 5 - Wastewater and SEM
- Debrief/conclusions
- Adjourn
Coffee Break 11:15-11:35
This lunch is brought to you by:

CADMUS
Workshop debrief

In small groups (~4), please take 10 minutes to discuss

• 1 or 2 take-aways from the day
• Recommendations for near-term regional dialogue topics or activities
Next steps

• NEEP to post slide presentations and meeting notes to Workshop webpage on NEEP.org
• Look out for scheduling poll to inform next SEM Working Group meeting
Save the Dates for our Next NEEP Events

November
• 11/15: Annual HELIX Stakeholder Virtual Summit

December
• 12/4: LED Street Lighting Webinar
• 12/13: Smart Energy Homes Virtual Workshop
Thank you for attending SEM Collaborative Workshop

- Please complete the evaluation form – return it to NEEP table
- Leave your name tag and lanyard for recycling
- Thank you again to our sponsors!
Last year’s “Digging deeper” topics

1. Sub-metering
2. Energy Model Management/Level of granularity
3. Examples/case studies of customer SEM experiences
4. Customer behavior change/staying relevant to existing site systems
5. “How to” implementation guidance
6. Barriers to EE program incorporation
7. Set up costs
8. Cohorts- Pros/Cons
9. Length of necessary engagement
10. Best practices for incorporating SEM w existing programs
STRATEGIC ENERGY MANAGEMENT

Emerging opportunity for EE Programs to achieve savings in the Commercial and Industrial Sector

SEM is the holistic approach to managing energy use in industrial facilities in order to continuously improve energy performance and achieve energy, cost and carbon savings over the long term.

SEM focuses on business practice change from senior management through shop floor staff, improving organizational culture to reduce energy waste and improve energy productivity.

"SEM fundamentally shifts the dynamic of energy efficiency initiatives—from energy efficiency programs promoting measures to companies actively seeking further savings opportunities."

—2015 ACEEE paper; When does Energy Management become Strategic?

SEM CORE ELEMENTS

Strategic Energy Management generally follows the Plan-Do-Check-Act model. Businesses’ level of SEM implementation falls on a continuum, with customers ranging in both their breadth and depth of implementing core elements of SEM. Core elements include:

1. Secure Management Commitment
2. Plan for Energy Management
3. Implement Energy Management
4. Measure and Check Results
5. Review for Continual Improvement