

Residential Sector Concurrent Session

Wednesday January 14, 2009
11:30 – 12:30



Working Together, Advancing Efficiency

Contemplating Life After CFLs

- Lighting makes up a large part of residential sector electric savings
 - ComEd estimate: ~ 90% in 1st year of programs
- Savings attributable to CFLs likely to decline
 - Higher market penetration (25% of sales in Q4, 08)
 - Standards coming for lamps in 2012

Members are seeding opportunities for future savings through work together at CEE

Residential Sector Work Areas

Initiatives

1. Lighting
2. Appliances
3. Electronics
4. HVAC



Explorations

1. Whole House

- Existing Homes
- New Construction
- Heat Pump Water Heating
- Windows
- Thermostats

Relative Emphasis in 2009

Work Area	Total FTE
Lighting	1.3
Electronics	0.8
Whole House	0.6
HVAC	0.5
Appliances	0.3
<i>ENERGY STAR</i>	<i>0.5</i>

At CEE, Members...

1. Work together on programs
 - Discuss program design, lessons learned, common barriers and opportunities
2. Work with ENERGY STAR
 - Comment on spec proposals, campaigns, etc.
3. Work with industry
 - Set common goals, leverage info and resources

Taking Lighting and Appliances to the Next Level

Eileen Eaton, 617-589-3949 x203
eeaton@cee1.org



Working Together, Advancing Efficiency

Lighting

- Highlights from 2008
 - Lighting Vision materials
 - Lighting for Tomorrow winners
 - SSL Committee
 - FTC lamp labeling
- 2009 Actions
 - Re-engage on Lighting Vision work
 - Enter a new phase of Lighting for Tomorrow
 - Keep up with LED advancements

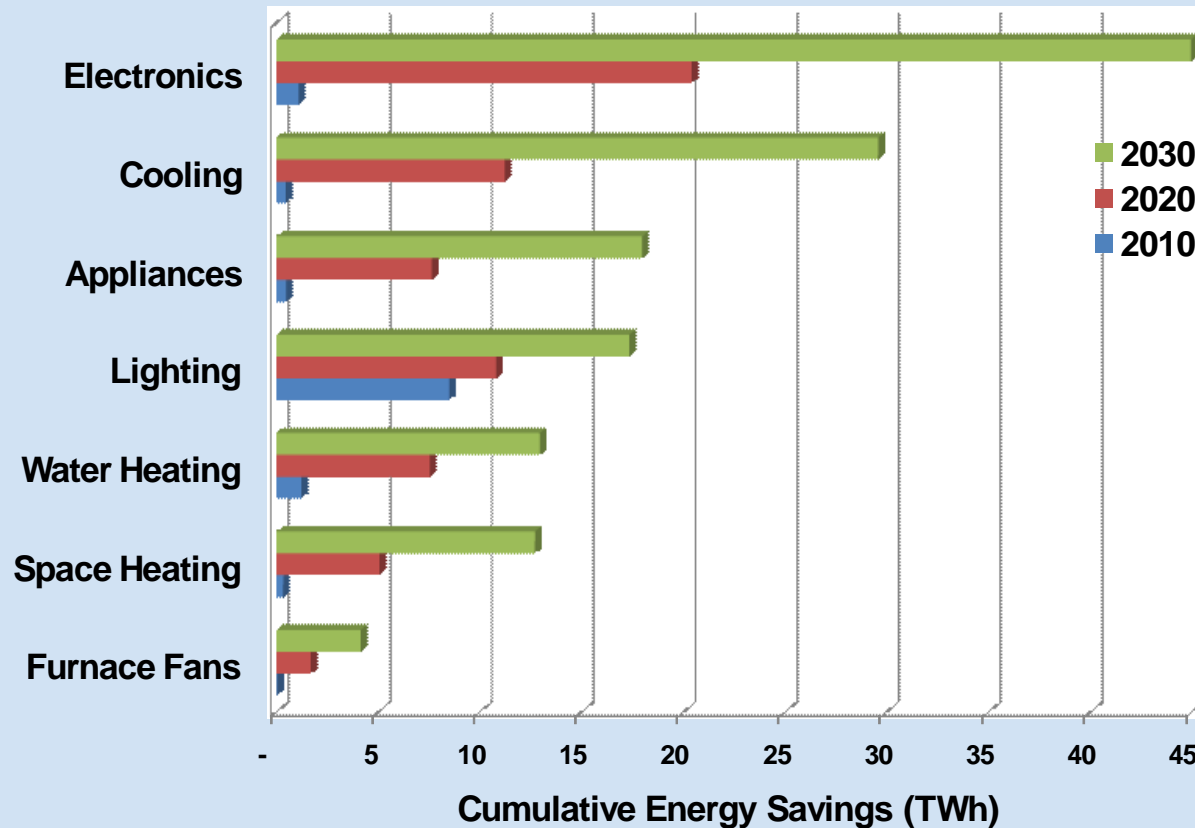
Appliances

- Achievements
 - Identified & prioritized new technologies
 - Commented on ENERGY STAR CW & DW specs
 - Worked with industry to raise concerns on RF test procedure
- 2009 Actions
 - Update CEE's DW Spec
 - Investigate activities related to new technologies
 - Monitor ENERGY STAR specs

Consumer Electronics - A Largely Untapped and Growing Opportunity

Margie Lynch, 617-589-3949 x231
mlynch@cee1.org

Savings Opportunity



Electric Power Research Institute-Edison Electric Institute

New Tools for Programs

- Updated ENERGY STAR specifications
 - Consumer Electronics breakout session, 3:00 pm tomorrow
- CEE television specification
 - Supported by QPL
- Consumer Electronics Program Guide

Next Steps

- Continue work under Consumer Electronics Initiative
- Explore an expanded support role
 - Pending Board of Directors approval

Central Air Conditioners and Heat Pumps

John Taylor, 617-532-0944
jtaylor@cee1.org

Central AC and Heat Pumps

- Four Factors of In-field Efficiency
 - Equipment—Optimization and peak demand
 - Installation—ENERGY STAR and verification
 - Maintenance—Consensus definition
 - Behavior—Thermostat education
- Actions for 2009
 - Implement & refine QI verification protocols
 - Scope out regional optimization of equipment
 - Link with “whole house” efforts

Pursuing a Comprehensive Approach in Homes

Existing Homes: Rebecca Foster, 617-589-3949 x207
rfoster@cee1.org

New Homes: Margie Lynch, 617-589-3949 x231
mlynch@cee1.org

Existing Homes

- Seizing an Opportunity
 - Vision: Members and industries work together to deliver efficiency more quickly and effectively than they can alone
- 2009 Work Efforts
 - Develop Program Guide
 - *Focus of Afternoon Breakout Session!*
 - Discuss program approaches/tools on Webinar series

New Homes

- 2008: Laying the Groundwork
 - Understand landscape for new construction
 - Research on market, key actors, program approaches
- 2009 Efforts
 - Exchange information about program design
 - New Construction Program Summary
 - Ensure that binational tools meet member needs
 - Revision of ENERGY STAR Homes Program

Discussion