

CEE Commercial HVAC: Breakout Session

January 15, 2009
San Francisco, CA



Working Together, Advancing Efficiency

Agenda for Breakout Session

- Introductions (10 min.)
- CEE Commercial HVAC & Natural Gas Initiative Updates (10 min.)
- Advanced Concepts with Roof Top Units (40 min.)
 - Mark Modera, WCEC
 - Reid Hart, PECl
 - Mark Cherniack, NBI (by phone)
- Group Discussion (30 min.)

CEE High Efficiency Commercial Air-Conditioning (HECAC) Initiative launched in 1993.

Goal:

- To encourage the proper installation and widespread use of high-efficiency air conditioners and heat pumps in commercial buildings.

Program Components:

- Unitary AC and HP Specification
- HVAC Quality Installation Guidelines (March 2001) replaced by ANSI/ACCA Quality Installation Standard (May 2007)

Participation:

- Today, 32 CEE Members are promoting the HECAC Initiative.

CEE Commercial Initiatives: HVAC Strategy for 2009

Unitary AC and HP Equipment

- Working with ESTAR to seek alignment of our Tier 1.
- Communicating with AHRI on guidance regarding the 1/1/2010 replacement of IPLV with IEER and ICOP.
- Exploring the development of an advanced roof-top unit specification based upon a rating system.

Other Efforts

- Continuing to refine upon the ACCA/ANSI Quality Installation Standard.
- Quarterly forums to discuss upcoming technologies.
- Continuing to explore a systems approach to defining efficient HVAC performance.

High-Efficiency Gas Packs (Rooftop Units) Exploration

- Focus: Opportunities for **gas** savings
 - Condensing technology
 - Other gas specific opportunities
- 2008: Engaged industry on need to address gas savings in RTUs
- 2009: Continue to work with industry and monitor member efforts
 - Provide an update on industry's feedback
 - Identify next steps for CEE in this arena

Discussion Questions

- How would programs promote a feature set of options for an advanced rooftop unit?
- What are the challenges associated with moving towards a rating based specification approach?