

# **CEE Gas Committee Residential Water Heater High- efficiency Installation Guide**

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Thursday, January 15th, 3:00 – 4:30pm



Working Together, Advancing Efficiency

# Agenda

- Introductions
- Objectives and Overview
- Installation Challenges: Technical Perspective
- Manufacturer Feedback
- Installation Guide Options
- Member interest and direction
- Next Steps

# Objectives of this Session

- Talk through the objectives for and contents of a potential Installation Guide for high-efficiency water heaters
- Discuss the technical challenges of installing high-efficiency ENERGY STAR water heaters
- Decide if and how CEE should move forward with the development of a Guide
- Discuss how members might use an Installation Guide

# Installation Guide Development

- During the October CEE Industry Partners Meeting, Gas Committee members and manufacturers discussed the need for developing a general Installation Guide for assisting plumbers in installing high-efficiency water heaters
- CEE would be developing this guide with the support of committee members and manufacturers, and whatever materials may be developed are intended to compliment, not replace, existing training programs.

# Installation Guide Development

- The guide is also intended to assist plumbers in preparing for installation challenges they will face with the ENERGY STAR transition to the more complex 0.67 EF water heaters in 2010 and other technologies coming to market.

How might you use an installation guide and what are its potential benefits to efficiency programs, manufacturers, and plumbers

# Installation Challenges: Technical Perspective

- Jim Lutz, Lawrence Berkeley National Laboratory
- Topics to be covered include
  - Venting
  - Condensate
  - Combustion air

# Manufacturer Feedback

- Most manufacturers noted that their current Installation Training programs use their product installation guides for reference only because they are mostly a way to convey legal guidelines.
- Instead of talking through the guide during their training sessions, some manufacturers use a PowerPoint presentation to discuss installation procedures and challenges
- Find it challenging to convey importance of key issues of high-efficiency installation (condensate, venting, combustion air)

# Installation Guide Options

## Content

- Technical information to include in training programs?
- Marketing information on how to communicate to installers the importance of selling efficiency?

## Format

- PowerPoint?
- ANSI quality installation specification?
- Manual or handbook?
- Fact Sheets?

# Discussion Questions

- Is an Installation Guide the best way to address these installation and training challenges?
- How would members make use of an Installation Guide? Incorporate into
  - existing training programs?
  - other related plumber outreach?
- How should CEE work with members and manufacturers to ensure that the Installation Guide meets their needs?
  - Should a sub-committee be established to help with the review process?