

Ways ASHRAE Works with Others on Common Goals

Residential Ad Hoc Workshop
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Residential Marketplace

- Large number of actors with a wide range of diverse interests:
 - Consumers
 - Contractors
 - Manufacturers
 - Finance
 - Real estate
 - Energy
 - Environment
- How are common goals best established?

ASHRAE Participation Opportunities



- Technical publications
 - ASHRAE Transactions
 - ASHRAE Journal
- Technical committee service
- Research collaboration
- Standard & guideline development
- Educational programs
- Certification & credentialing programs
- Advocacy

What are the Goals and Objectives?



- Expand ASHRAE's value to the residential building sector
- Provide leadership in high-performance residential buildings
- Expand collaboration with the residential building community
- Provide a visionary future for the residential building marketplace

Where are the Gaps & Opportunities?



- Equipment technologies
- Indoor environmental quality
- Materials technology and characterization
- Energy simulation and analysis
- Energy performance assessment
- Standards and guidelines
- Professional education and training
- Practitioner credentialing

How Does ASHRAE Participate?

- ASHRAE Handbook of Fundamentals is considered the energy engineering “standard of care”
- Examples include:
 - Calculation procedures (U-factors, infiltration and ventilation, etc.)
 - Material properties (required to calculate thermal and moisture transmission)
 - Software algorithms (load calculations, heat transfer, mass transfer, ground contact, etc.)

How Does ASHRAE Participate?

- ASHRAE Standards and publications are widely used by other codes and standards making bodies
- Examples include:
 - ICC (IECC, IRC, IMC, etc.)
 - ACCA (Design manuals and Quality Assurance standards)
 - RESNET (Home Energy Ratings & Energy Simulation Software Accreditation)
 - BPI (Energy Analysis and Practitioner Credentialing)
 - Federal Agencies (DOE, EPA, HUD high performance and existing home programs and manufactured home codes)

Questions We Want to Address



- How can ASHRAE encourage greater collaboration in the residential marketplace?
- What are the technical and research gaps where ASHRAE could or should play a role?
- What leadership can ASHRAE offer in residential codes and standards development?
- What market support functions can ASHRAE offer the residential building community?
- How can ASHRAE provide greater value to the residential building community?

Thank You



Your Participation is
Key to Success