

Status of Residential HVAC Quality Installation Programs

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Outline

- Prevalence of Quality Installation (QI) Programs
- Commonalities
- How Programs Differ
- National Developments
- Remaining Local Program Needs
- Implications for ENERGY STAR



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Prevalence of QI Programs:

19 States (up from 10 in 2000)

23 Programs (up from 12 in 2000)

- Arizona (proposed)
- California
- Connecticut
- Florida
- Iowa
- Idaho
- Massachusetts
- Minnesota
- Montana
- Nevada (proposed)
- New Jersey
- New York
- Oregon
- Rhode Island
- Tennessee
- Texas
- Utah
- Washington
- Wisconsin



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Commonalities

- Matched System, Charge & Airflow Required
- Consumer education
- CEE QI Specification (BPI also cited)
- Technician training
- Technician self-reporting
- Quality Assurance Mechanism
- Link to Equipment Rebate



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Where Programs Differ

- Proper Sizing and Duct Sealing Requirements
- Verification Strategies
 - HERS raters, remote technologies, utility staff, other
 - Percentage of jobs inspected
- Incentive recipient
- Recruitment & Marketing strategy



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National Developments

- ACCA QI Specification
 - Alignment in HVAC industry
 - Incorporates efficiency program needs
 - Next step to develop verification protocols (look at RESNET)
- ENERGY STAR Pilots
- RESNET Advanced Certifications
- BPI National Expansion (QI through HPwES)



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Remaining Needs; Role of ENERGY STAR

- Brand for Quality Installation
 - Aid HVAC contractor business model transition
- National Platform w/Multiple Scenarios
 - Based on comprehensive technical standard
- National Verification Infrastructure
 - Maintain brand integrity



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Verification Remains Key Challenge

Quality Assurance is Imperative, but...

- Verification Service Providers Aren't National Yet
- Developing New Infrastructure Difficult/Expensive
- Encouraging Existing Workforce to Adapt is Preferred
- Exploring the Role RESNET Can Play
 - Intriguing opportunity as raters look to expand
 - Alignment of Overlapping Industry Standards for QA/QC



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Questions???

Residential HVAC Session: 1:30 – 3:00 p.m.
Role of RESNET and HERS Raters in QI

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