



2016 HPwES Partner Meeting

Austin, TX



DOE Initiatives to Expand Residential Energy Efficiency and Complement HPwES

Dale Hoffmeyer, DOE



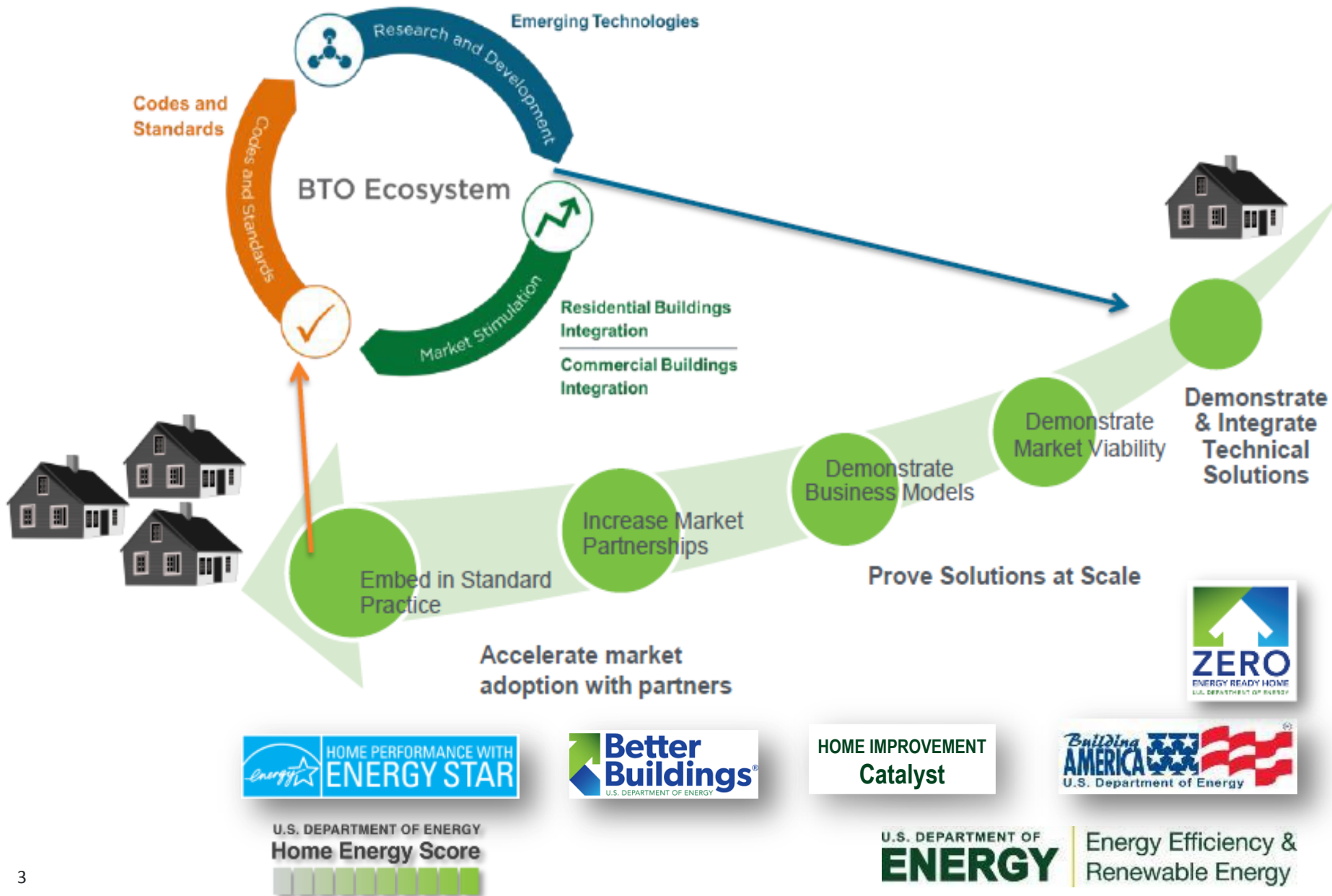
DOE Initiatives to Expand Residential Energy Efficiency and Complement HPwES



Energy Efficiency &
Renewable Energy

Dale Hoffmeyer
Building Technologies Office

Building Technologies Office Market Stimulation Approach



Home Energy Score

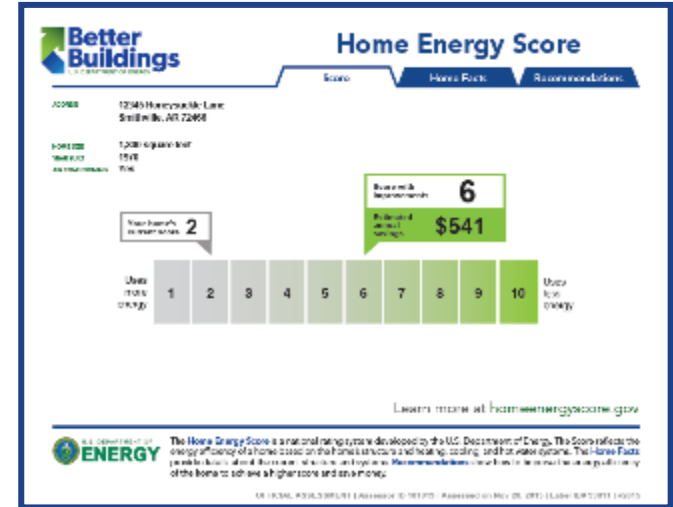
Objective: Offer a national “miles-per-gallon” rating for existing homes that gives homeowners & buyers:

- ✓ Credible, reliable information on a home's expected energy performance
- ✓ Recommendations for saving energy

What are we working on?

- Assist states, local governments & utilities with broad adoption of the Score
- Promote use of the Score by home inspectors
- **NEW!** Promote use of Fannie Mae's HomeStyle Energy mortgage and FHA's stretch ratio policy
- Integrate with real estate infrastructure – show Score on a growing number of MLSs
- Update Scoring Tool to include PV & address any local/regional source energy differences
- Provide greater flexibility & customization (e.g., local utility rates, logos)

37,000+ homes scored and growing!



Home Energy Information Accelerator

Objective: Expand the availability & use of reliable home energy information in residential real estate transactions through:

- ✓ the development and demonstration of replicable, sustainable approaches that make energy-related information easily available to home buyers, sellers, real estate agents, appraisers, & others

What are we working on?

- Make progress on work plans with national partners & 7 local pilots (CA, OR, CO, Chicago, DC, Northeast, VT)
- Identify data information flow gaps and needs
- Develop tools, data protocols, and IT solutions to streamline data transfer
- Share best practices and recognize partner successes – “The Home Energy Data Huddle” session (Wed.)
- Encourage national partners to adopt policies and tools to expedite use of reliable energy-related information on homes in real estate transactions

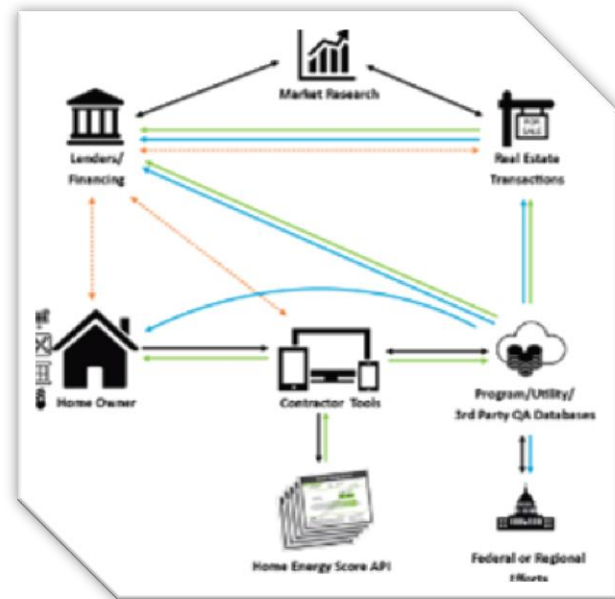
Home Upgrade Program Accelerator

Objective: Reduce the administrative burden and cost of programs by improving processes to:

- ✓ Manage and track home energy upgrades
- ✓ Review the quality of work
- ✓ Streamline data collection, management, & transfer (e.g., BEDES, HPXML)

What are we working on?

- Partners are implementing data management workflow improvements and measuring impact
- Showcase process improvements and benefits.
- Organize Getting Started with HPXML workshop at ACI (this afternoon)
- Create new HPXML toolbox to validate files against use cases
- Host peer calls to share experiences implementing process improvements



Health & Home Performance Initiative

Objective: Identify & leverage substantiated benefits to occupant health arising from home performance improvement activities

What are we working on?

- Conduct literature review of health benefits in the market-rate home performance market
- Engage stakeholders on expanding health & home performance
- Develop roadmap to leverage home performance-health connection & grow industry



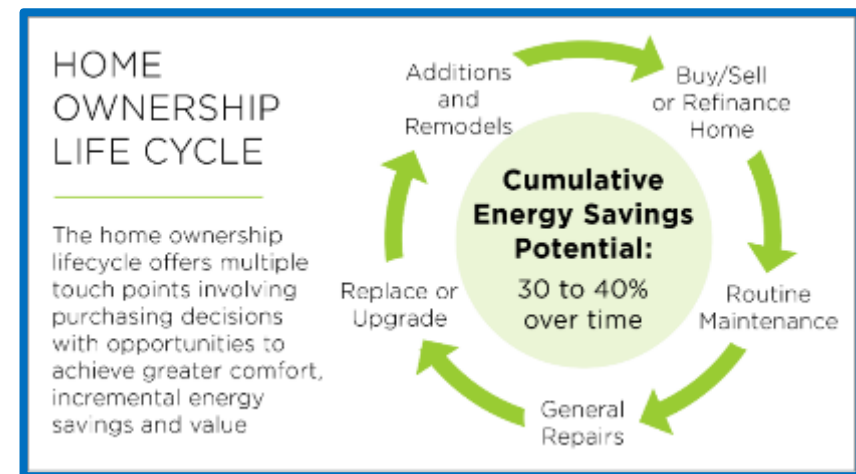
Working in this field and want to be involved? Contact Ely.Jacobsohn@ee.doe.gov or Jonathan.Cohen@ee.doe.gov

Home Improvement Catalyst (HI Cat)

Objectives: Identify and prioritize activities where DOE can have the greatest impact in accelerating adoption of energy efficient measures at key home improvement transactions.

What are we working on?

- Employ a framework to address gaps or barriers to advancing energy efficient home improvements
- Provide field tools and messaging to promote adoption of higher efficiency measures and practices
- Support demonstrations focused on the trigger events in a homeowner lifecycle, especially for HVAC and building envelope
- Leverage pivotal upstream and mid-stream market actors to reach more partners and more homes on a national scale

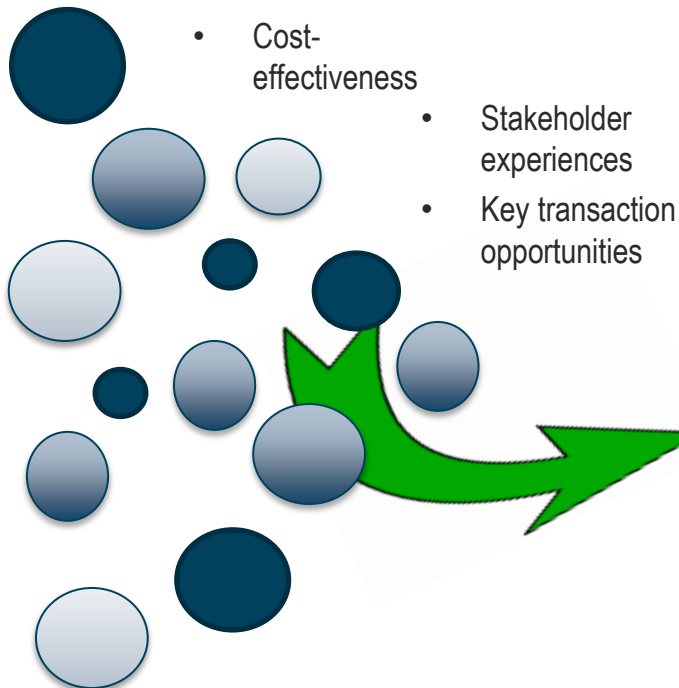


HI Cat Uses a Three-Step Approach

1. Identify & prioritize home improvements.

- Energy savings potential
- Number of homes

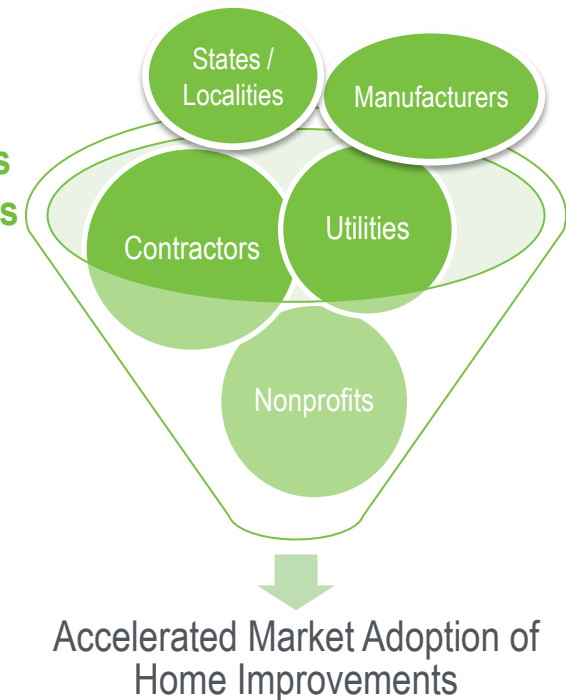
HOME IMPROVEMENTS



2. Assess barriers & identify market activities.



3. Accelerate adoption via strategic market partners & channels.



Better Buildings Residential Network

Objective: Connect energy efficiency programs and partners to share best practices and learn from one another to increase the number of homes that are energy efficient.

Membership: Open to organizations committed to accelerating the pace of home energy upgrades.

Benefits:

- Recognition in media, materials
- Peer Exchange Calls 4x/month
- Tools, templates, & resources
- Speaking opportunities
- Updates on latest trends
- Voluntary member initiatives
- Residential Program Solution Center guided tours

Commitment: Provide DOE with annual number of residential upgrades and information about associated benefits.

Facilitate Knowledge Sharing



Visit energy.gov/rpsc

Building America Solution Center

Provide access to expert information on hundreds of high-performance construction topics, including air sealing and insulation, HVAC components, windows, indoor air quality, and more.



Visit basc.energy.gov

Meet us at ACI Conference sessions

Tuesday, April 5

- Home Upgrade Program Models for Acquiring Savings in Multiple Climate Zones
- Residential Energy Labels, Why Should You Care & What Do You Do About It?

Wednesday, April 6

- Showcasing Home Performance with ENERGY STAR Contractors
- Transforming the Market with HPXML: Strategies and Lessons Learned
- What Building America Learned in 4 Years About Retrofits & Staged Upgrades
- Realizing the Market Value for High Performance Homes: Reports from the Field
- Health & Home Performance: Unlocking New Funding, Marketing, & Project Data Value
- The Quest for Smarter Performance Measurement
- The Home Energy Data Huddle: Getting Together to Build an Information Pipeline
- The Value Proposition Challenge

Thursday, April 7

- Home Performance Financing Update & Options to Help Close More Jobs
- Your Contractors: A Gateway to Better Programs
- America's Building Blocks to High Performance Housing

<http://energy.gov/eere/better-buildings-residential>



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