



2016 HPwES Partner Meeting  
Austin, TX



# DOE Initiatives to Expand Residential Energy Efficiency and Complement HPwES

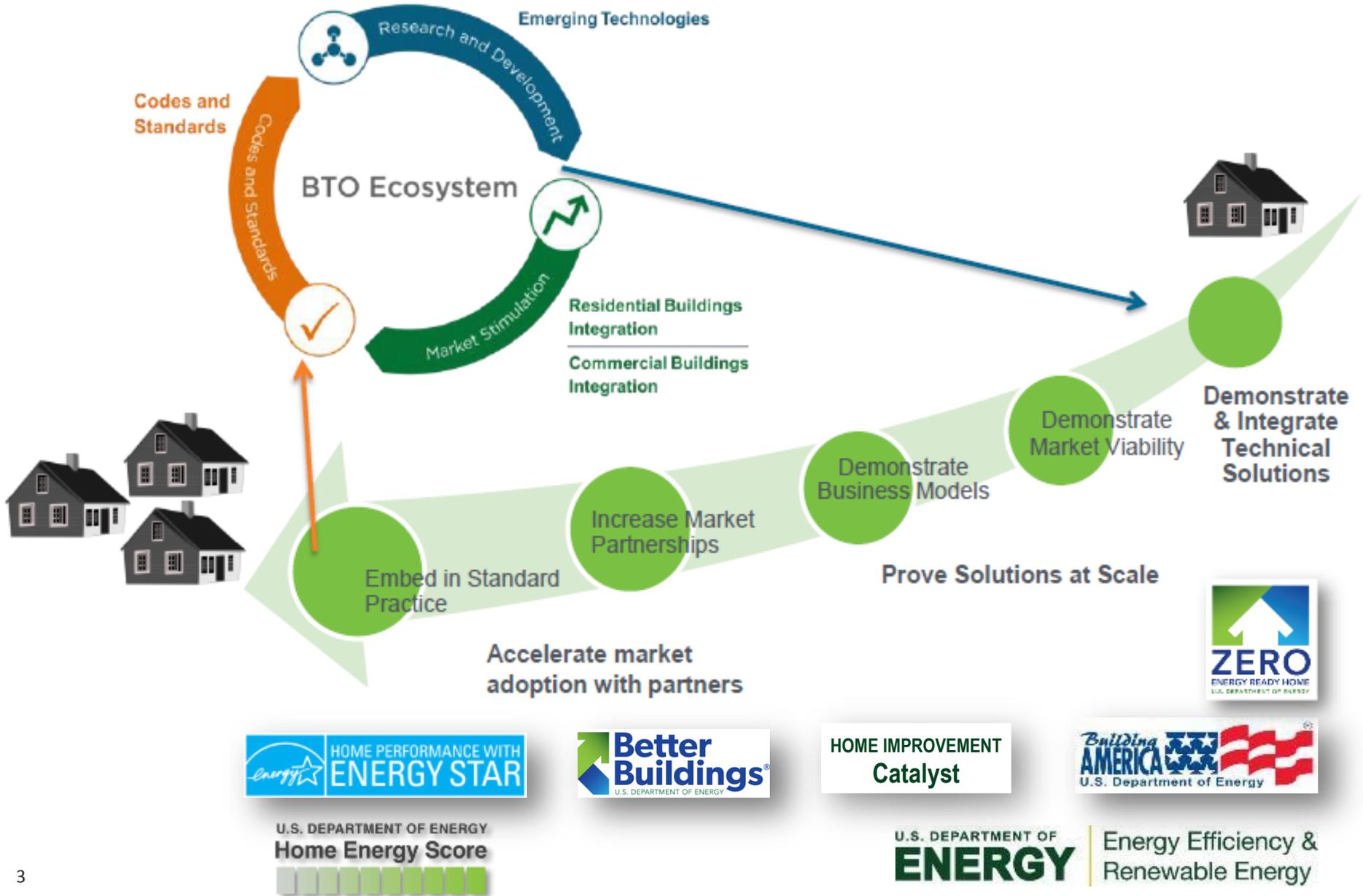
Dale Hoffmeyer, DOE



# DOE Initiatives to Expand Residential Energy Efficiency and Complement HPwES



# Building Technologies Office Market Stimulation Approach



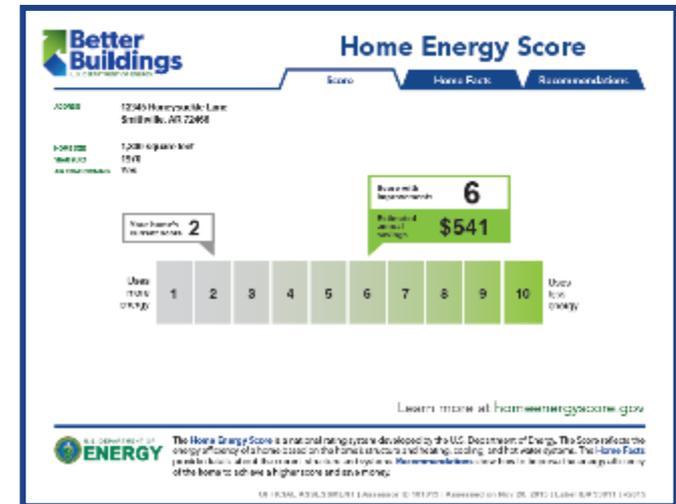
# Home Energy Score

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

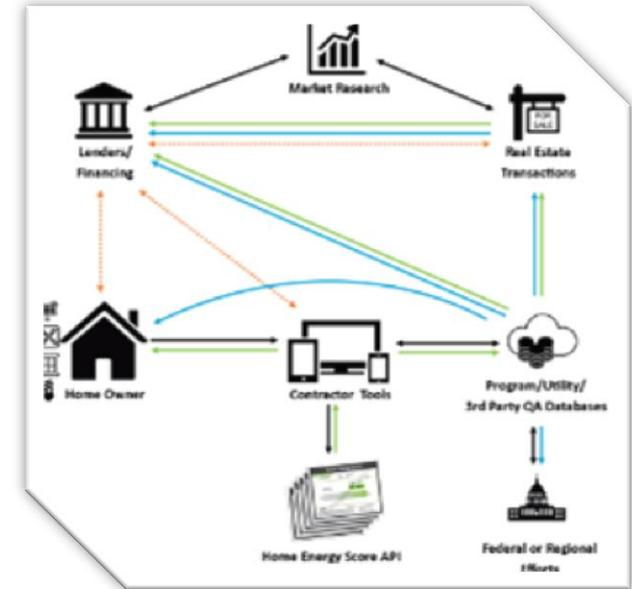
# Home Upgrade Program Accelerator

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



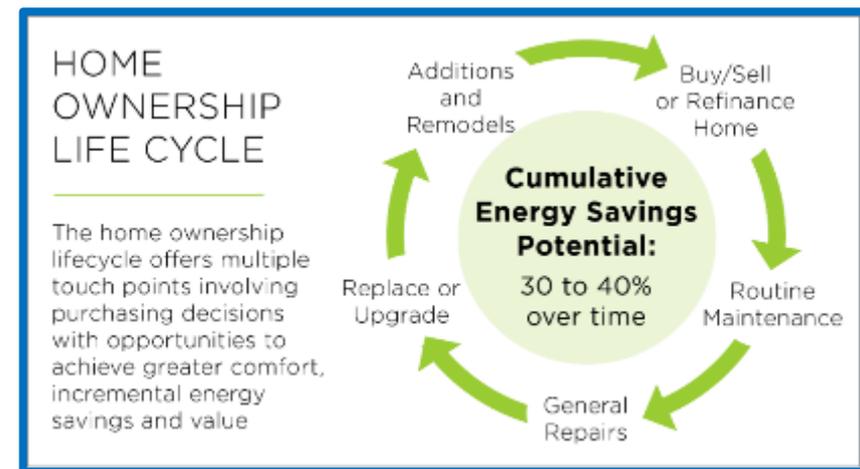
*Working in this field and want to be involved? Contact [Ely.Jacobsohn@ee.doe.gov](mailto:Ely.Jacobsohn@ee.doe.gov) or [Jonathan.Cohen@ee.doe.gov](mailto:Jonathan.Cohen@ee.doe.gov)*

# 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

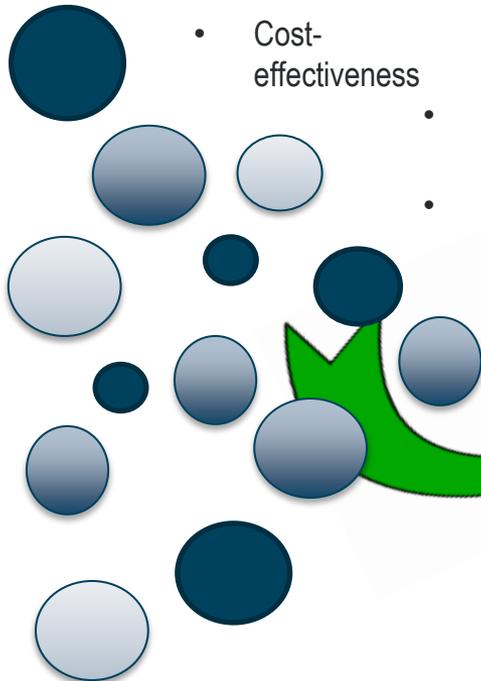


# HI Cat Uses a Three-Step Approach

## 1. Identify & prioritize home improvements.

- Energy savings potential
- Number of homes

HOME IMPROVEMENTS



- Cost-effectiveness
- Stakeholder experiences
- Key transaction opportunities

## 2. Assess barriers & identify market activities.

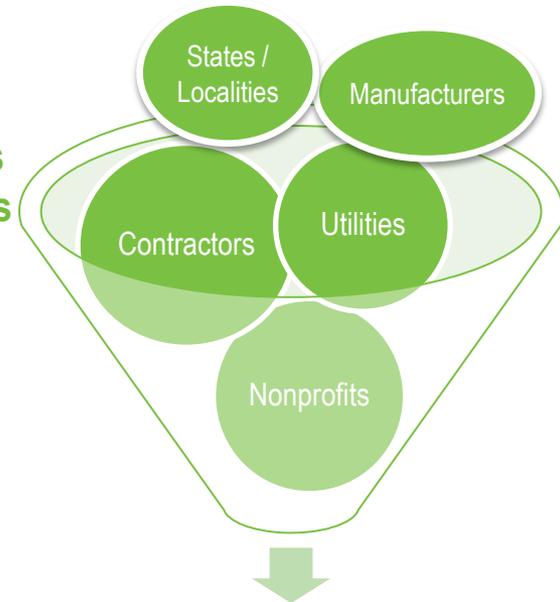
Assess technical barriers

Assess market barriers

Identify market needs

Leverage resources & partners

## 3. Accelerate adoption via strategic market partners & channels.



Accelerated Market Adoption of Home Improvements

# 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](http://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](http://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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**ENERGY**

Energy Efficiency &  
Renewable Energy

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