



Residential Buildings Integration

How Residential Energy Data Drives Value and Retrofits

2015 NASEO Conference

September 15, 2015

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DOE Solutions: Reaching Homeowners and Consumers

Demonstrate
Technical
Solutions



Develop
Real World
Solutions



Demonstrate
Business
Models



Accelerate
Adoption



Market
Acceptance in
Code



Presentation Summary

- DOE Home Upgrade Program Accelerator
- DOE Home Energy Information Accelerator
- Home Energy Score

Home Upgrade Program Accelerator

Vision

Lower cost administration for home energy upgrade programs to enable growth to millions of homes per year

1

Complete Process Improvement

- Implement Home Performance XML data standard and other process improvements in home upgrade programs



2

Document Process Changes

- Demonstrate approaches for reducing program administrative costs enabled by HPXML and other strategies



3

Determine Cost Savings

- Analyze and document cost and time savings of streamlined approaches



4

Disseminate Best Practices

- Highlight partner successes, develop implementation models, and encourage adoption of best practices.



5

Success Metric

Deploy HPXML in programs representing at least 25% of home upgrades nationally and document time and cost reductions from this and other approaches to streamline program administration.

Actively Recruiting Additional Partners

Partner Kick-off Call
September 2015

Partner Working Session
ACI Home Performance
Conference, Austin, TX
April 2016

**New Partner Media
Announcement**
October 2015

**Partners Share
Progress**
Better Buildings Summit
May 2016



Home Energy Information Accelerator

Vision

Widespread use of reliable home energy information at all relevant points in the real estate transaction, enabling fair value at sale for energy efficient / high performing homes

1

Expand Pipeline

- Of homes with verified energy information (e.g., Home Energy Score, Zero Energy Ready Homes, ENERGY STAR)



2

Develop Tools & Systems

- That facilitate the standardized and automated flow of home energy information from credible sources to relevant users



3

Demonstrate Use

- Of home energy information in MLS listings, appraisal forms, and other relevant applications



4

Recognize Champions

- In relevant fields, highlight their successes, and encourage adoption of best practices



5

Success Metric

Significantly expand availability and use of reliable home energy information in five or more pilot markets to demonstrate replicable models of automated, linked systems influencing home sales

National Partners

- Appraisal Institute
- CoreLogic
- Council of Multiple Listing Services
- Green Button Alliance
- Home Innovation Research Labs
- Home Performance Coalition
- Homes.com
- Institute for Market Transformation
- National Association of Realtors®' Center for Realtor® Technology
- National Association of State Energy Officials
- PicketFence.com
- Real Estate Standards Organization
- Realtors Property Resource LLC
- U.S. Green Building Council

Local Partners

Colorado

- Colorado Energy Office
- IRES

DC Metro

- DC SEU
- MRIS

Illinois/Chicago Metro

- Elevate Energy
- Illinois Department of Commerce & Economic Opportunity
- Midwest Real Estate Data (MRED)

Northeast

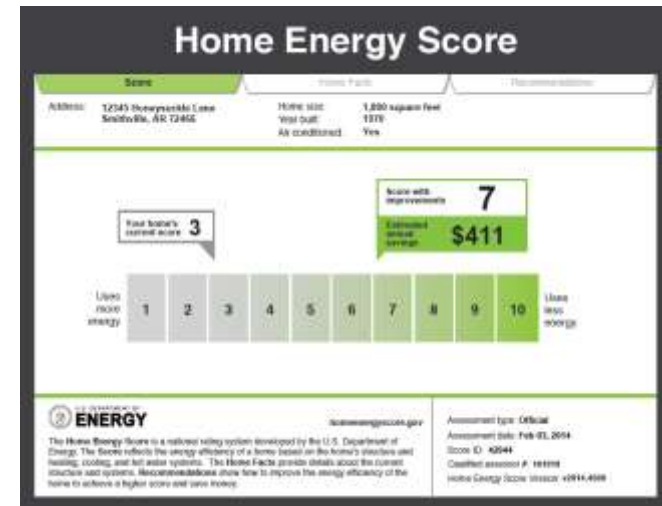
- NEEP
- VEIC

Oregon/Portland Metro

- Clean Energy Works
- Earth Advantage
- Oregon Department of Energy
- Regional Multiple Listing Service

The U.S. Department of Energy created the Home Energy Score to serve as a nationally standardized “miles-per-gallon” rating for homes

- ✓ Offers homeowners **affordable, reliable, easy way** to understand homes’ energy performance
- ✓ Available at **no-cost** to program providers
- ✓ Intended to **motivate homeowners and homebuyers** to invest in residential energy efficiency
 - Simple and action-oriented
 - Ability to document investment in energy efficiency using the post-improvement score



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2015 Timeline

