Residential Buildings Integration

How Residential Energy Data Drives Value and Retrofits
2015 NASEO Conference
September 15, 2015

David Lee
Program Manager, Residential Buildings
Building Technologies Office
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.

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

- **New Partner Media Announcement**
  - October 2015

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

- **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

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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**Project Manager:** Joan Glickman  
homeenergyscore@ee.doe.gov
2015 Timeline

July/Aug
Establish Work Plans & Working Groups

Sept
Evaluate options for local systems & begin identifying barriers at national level

Oct
Promote info-sharing through Real Estate Industry events and web portal

Nov
Develop and submit local strategies

Dec
Begin designing local pilot systems