ENERGY STAR Certified Homes Stakeholder Meeting

October 24, 2017
Goal of RaterPRO

• Provide a tool that facilitates the collection of high-quality field data during the pre-drywall and final inspections.
Goal of RaterPRO

Rater Field Checklist
ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 08)

<table>
<thead>
<tr>
<th>Home Address:</th>
<th>City:</th>
<th>State:</th>
<th>Permit Date:</th>
</tr>
</thead>
</table>

**Thermal Enclosure System**

1. High-Performance Fenestration & Insulation
   1.1 Fenestration meets or exceeds levels specified in Item 2.1 of the Rater Design Review Checklist
   1.2 Insulation meets or exceeds levels specified in Item 3.1 of the Rater Design Review Checklist
   1.3 All insulation achieves RESNET-defined Grade I installation. See Footnote 4 for alternatives.

2. Fully-Aligned Air Barriers
   2.1 Dropped ceilings / soffits below unconditioned attics, and all other ceilings
   2.2 Walls behind showers, tubs, staircases, and fireplaces
   2.3 Attic knee walls and skylight shaft walls
   2.4 Walls adjoining porch roofs or garages
   2.5 Double-walls and all other exterior walls
   2.6 Floors above garages, floors above unconditioned basements or crawlspaces, and cantilevered floors
   2.7 All other floors adjoining unconditioned space (e.g., rim / band joists at exterior wall or at porch roof)
Goal of RaterPRO

• Provide a tool that facilitates the collection of high-quality field data during the pre-drywall and final inspections.

• This helps increase the value, and reduce the cost, of a high-quality third-party rating.

• Promote increased adoption of high-quality ratings across the industry.
Key Features of RaterPRO

1. Ability to verify both ENERGY STAR and HERS homes.
Key Features of RaterPRO

2. Cloud-based, but with the ability to work offline.

Web-Based Admin Site

Field App
Key Features of RaterPRO

3. Able to import proposed ratings from HERS software.
4. Able to export confirmed ratings back to HERS software.
**Key Features of RaterPRO**

5. Capable of capturing robust data.

<table>
<thead>
<tr>
<th>Status</th>
<th>N/A</th>
<th>Must Correct</th>
<th>Rater Verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notes</td>
<td>Missing weather-stripping on front door</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Photos
Key Features of RaterPRO

6. Voluntary and freely available.
Status of Development Process

Issue
In Chair
Not
In Computer
Status of Development Process

Early 2016 – Outreach & Design

- Interviews with 30 separate HERS rating companies.
- Discussions with production and custom builders.
- Calls with HERS software companies & tool manufacturers.
- Bar talk with Steve Baden.
Status of Development Process

Late 2016 to 2017 – Programming

• Early interface development shown at last year’s meeting.
• Demoed core functionality at RESNET conference.
• Chugging along ever since.
Status of Development Process

Today

• Nearly all of core workflow is in place:
  – User access
  – Importing proposed ratings
  – Job creation
  – Completing a job
  – Exporting a confirmed rating
  – Syncing
Status of Development Process

After Today

- Adding features (many already underway):
  - Provider workflow
  - Search functions
  - Builder reports
  - Bulk upload and download of ratings
  - Job tracking
  - Sampling
  - Android support
Status of Development Process

2018

- 1st half: Version 1.0 public beta available for use.
- ~2nd half: Drop the ‘beta’ label after gaining experience & completing jobs.
Test Drive

“The user interface is great, and being able to work offline is very useful.”

Zach Kimbrough, Energy Logic
Test Drive

“It’s very clean visually. I especially like it for reviewing field and file data.”

Paul Gay, US Ecologic
Test Drive

"The granular breakdown of every ENERGY STAR checklist item was helpful, and it was great that the specs from the projected models were automatically incorporated."

Thiel Butner, Pando Alliance
Questions?
ENERGY STAR Certified Homes

Web & Email:
Main: www.energystar.gov/newhomespartners
Technical: www.energystar.gov/newhomesguidelines
Training: www.energystar.gov/newhomestraining
HVAC: www.energystar.gov/newhomesHVAC
Email: energystarhomes@energystar.gov

Social Media:
@energystarhomes
facebook.com/energystar

Contacts:

Dean Gamble
EPA
Technical Manager
ENERGY STAR Certified Homes
gamble.dean@epa.gov

Elliot Seibert
EPA
Implementation Manager
ENERGY STAR Certified Homes
Seibert.Elliot@epa.gov