



Announcing the RaterPRO Public Beta

RESNET 2018

February 26, 2018



Agenda

- Goals and Key Features
- Development update
- Demo
- Public Beta Details
- Questions




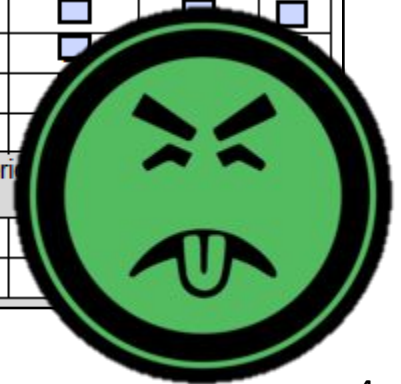
Goal of RaterPRO

- 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)				
Home Address: _____		City: _____	State: _____	Permit Date: _____
Thermal Enclosure System	Must Correct	Builder Verified ¹	Rater Verified ²	N/A ³
1. High-Performance Fenestration & Insulation				
1.1 Fenestration meets or exceeds levels specified in Item 2.1 of the Rater Design Review Checklist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
1.2 Insulation meets or exceeds levels specified in Item 3.1 of the Rater Design Review Checklist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
1.3 All insulation achieves RESNET-defined Grade I installation. See Footnote 4 for alternatives. ⁴	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
2. Fully-Aligned Air Barriers⁵ At each insulated location below, a complete air barrier is provided that is fully aligned as follows:				
<u>Ceilings:</u> At interior or exterior horizontal surface of ceiling insulation in Climate Zones 1-3; at interior horizontal surface of ceiling insulation in Climate Zones 4-8. Also, at exterior vertical surface of ceiling insulation in all climate zones (e.g., using a wind baffle that extends to the full height of the insulation in every bay or a tabbed baffle in each bay with a soffit vent that prevents wind washing in adjacent bays). ⁶				
2.1 Dropped ceilings / soffits below unconditioned attics, and all other ceilings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Walls:</u> At exterior vertical surface of wall insulation in all climate zones; also at interior vertical surface of wall insulation in Climate Zones 4-8 ⁷				
2.2 Walls behind showers, tubs, staircases, and fireplaces	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Attic knee walls and skylight shaft walls ⁸	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Walls adjoining porch roofs or garages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Double-walls and all other exterior walls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Floors:</u> At exterior vertical surface of floor insulation in all climate zones and, if over unconditioned space, also at interior vertical surface of floor insulation including supports to ensure alignment. See Footnotes 10 & 11 for alternatives. ^{9, 10, 11}				
2.6 Floors above garages, floors above unconditioned basements or crawlspaces, and cantilevered floors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.7 All other floors adjoining unconditioned space (e.g., rim / band joists at exterior wall or at porch roof)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





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.



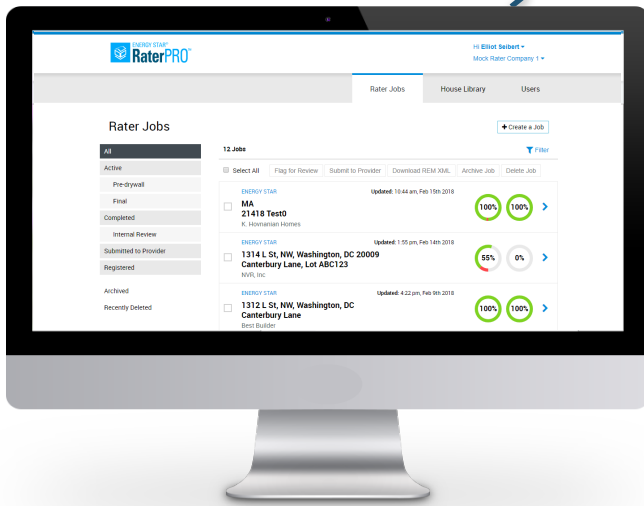
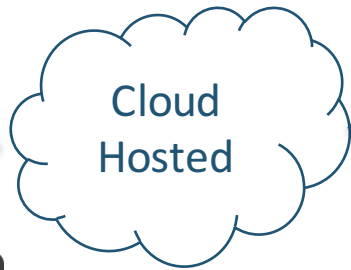
Key Features of RaterPRO

1. Ability to verify both ENERGY STAR and HERS jobs.

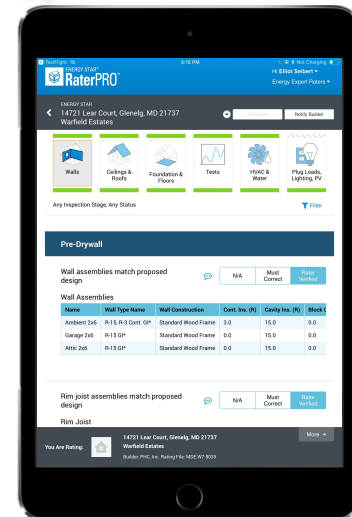


Key Features of RaterPRO

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.

Status

N/A

Must
Correct

Rater
Verified

Notes

Great job on the wall insulation!

Photos





Key Features of RaterPRO

6. Collected information is owned by the Rating Company
 - Optionally, a Rating Company can share information with their Provider
 - Can also send a builder corrections report
 - EPA and RESNET will never access your data

Key Features of RaterPRO

7. Voluntary and freely available.





RaterPRO's Role in the Market

- We strongly believe in digital inspection apps and would love to see them universally adopted
- There are lots of great alternatives available in the market, and more to come
- RaterPRO is intended to offer a *baseline* feature set that we consider the *minimum* for a modern inspection platform
- A free baseline makes it possible for everyone to participate in this digital future
- EPA is exploring ways for 3rd party developers to leverage RaterPRO for core rating functions while adding their own 'special sauce' on top.



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 Now – Programming

- Showed off core functionality at last year's RESNET
- Additional features promised last year:
 - ✓ Provider workflow
 - ✓ Search functions
 - ✓ Builder reports
 - ✓ Bulk upload and download of ratings
 - ✓ Sampling
 - Job tracking
 - Android support



Demo



Announcing:



Public Beta

Beginning March, 2018



Full Feature Set

Ready for day-to-day use:

- Import/export XML files from REM/Rate and Ekotrope
- Set up companies and user accounts
- Create and rate ENERGY STAR and HERS jobs
- Individually-rated and sampling jobs
- Optionally, submit jobs to Provider users

The app is stable, but this is a Beta. Let us know when you see a bug and we will fix it!



Initial Beta Support

- REM/Rate or Ekotrope via REM/XML format
- iPads running iOS 10.0 or above
 - Generally 2013 models and newer (with some exceptions)
 - Check in Settings > General > About



Coming Soon

- Android mobile
- Energy Gauge XML support
- Throughout Beta: Bug fixes and improvements



Other Platforms

Reach out if you are interested in participating in the Beta but are using another platform like **Windows Surface**.

Support for additional platforms is possible with enough demand.



Should you think about joining the Beta?

Are you:

- Willing to be an early adopter?
- Ready to send us bugs and other feedback?
- Currently using paper checklist?



WE WANT YOU!





Interested?

Signup with [Elliot](#) at RESNET

Or Email: energystarhomes@energystar.gov

We'll reach out to begin **3-Step Initiation:**

1. Clean up My ENERGY STAR Account
2. Download iPad app
3. Attend Orientation Webinar

(Note: Priority will be given to companies planning immediate use.)



The Year Ahead

At RESNET 2019 you can expect:

- **Dropping the ‘Beta’ label**
 - Successful history of day-to-day use by early adopters
 - Be ready for widespread adoption
- **A 3rd-Party API**
 - Will allow 3rd party systems to integrate with RaterPRO
 - Had a great discussion at pre-conference session Sunday
 - Interested developers should contact Elliot (Seibert.Elliot@epa.gov)
- **Much more news about RaterPRO’s future**



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
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