Rating Software Roundtable
Enhanced Features for 2018

2017 ENERGY STAR Certified Homes Stakeholders Meeting
Moderator

Elliot Seibert
Implementation Manager
EPA, ENERGY STAR Residential Branch
Panelists

Cy Kilbourn
Director of Engineering
Ekotrope
Panelists

Jeff Myron
Energy Software Analyst
Florida Solar Energy Center (FSEC)
Panelists

Brian Christensen
Senior Engineer
NORESCO – REM/Rate
Panelists

Ethan Croteau
Senior Software Designer
Wrightsoft® Corporation – Right-Energy
Rating Software and ENERGY STAR

• HERS Rating Software is a huge part of the ENERGY STAR rating experience.

• Ongoing collaboration between EPA and software providers on program updates and consistent interpretation of program requirements.
RaterPRO Support

- Ekotrope and REM/Rate support from day one
- EnergyGauge and Wrightsoft are in-progress and will be included in future
Texas v3.1 Updates

- Timeline: Homes permitted in Texas on or after 07/01/2018
- This allows software vendors enough time to implement three changes to the reference design:
  - Furnace Efficiency (in Climate Zone 3)
  - Size Adjustment Factor
  - DHW Tank Size
Texas v3.1 Updates

• **Gas Furnace Efficiency:** In CZ 3 only, v3.1 ENERGY STAR Reference Design for gas furnace efficiency will change from 90 AFUE to 80 AFUE.
  – Approximately 3 points less stringent
  – No change in v3.0

• **Size Adjustment Factor:** Nationwide, the SAF will be eliminated in v3.1.
  – 0-2 points less stringent
  – No change in v3.0
Texas v3.1 Updates

• **DHW Tank Size:** In all Climate Zones, *when the Rated Home uses an instant gas water heater*, the ENERGY STAR Reference Design will use a 50 gallon 0.59 EF, instead of a 40 gallon 0.61 EF, gas storage water heater.
  
  – Applies to both v3.0 and v3.1
  – ~1 point less stringent (*for homes with instant gas DHW*)
ANSI/RESNET/ICC 301-2014 Update Proposals

- **Index Adjustment Factor**: Public comment period just ended.
- **Solid State Lighting**: Public comments period closed in August.
- **Smart Thermostats**: Potential future work initiative.