



# 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

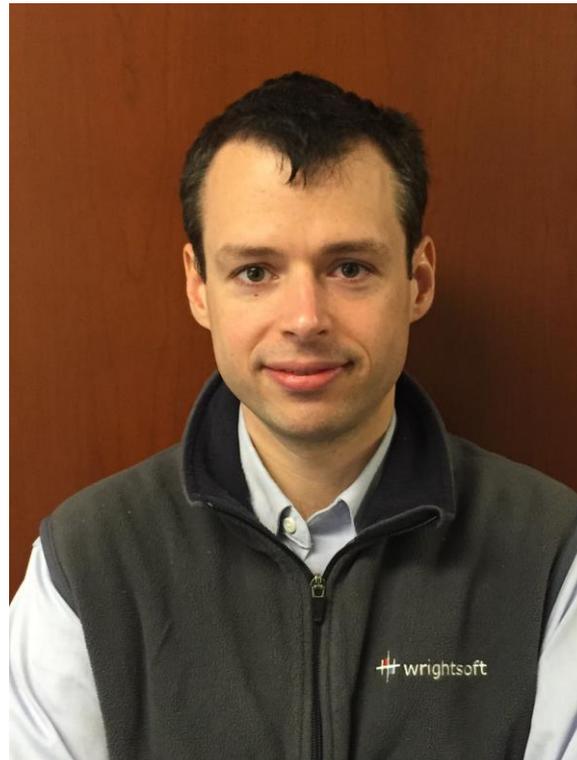


## Panelists

### 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.