

EnergyGauge USA 6.0.02

Release Notes

The latest release of EnergyGauge USA, Version 6.0.02, includes 2017 Florida Building Code, Energy Conservation, 6th Edition ERI, R-Value and Total UA Prescriptive methods. Enhancements have been added to reduce the time to generate a rating registration file (RGU) and bug fixes are also included. These release notes only include changes since our Version 6.0.00 release in December 2017, which had more substantial changes.

KEY FEATURES ADDED

- FL Code 2017 ERI Method
- FL Code 2017 R-Value Prescriptive Method
- FL Code 2017 Total UA Prescriptive Method
- Now allows entries on Hot Water page for Uniform Energy Factor ratings.
- Now allows entries on Clothes Washers for Integrated Modified Energy Factors
- Now allows entries on Dryers for Combined Energy Factor

WINDOWS VERSIONS SUPPORTED

Minimum System Requirements: Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10 [note installation process on Windows 10 requires a browser that is not "Edge"].

GENERAL BUG FIXES AND CHANGES

- AHRI input text is now left aligned on cooling page
- All data entry fields on cooling and heating page are set to grey and LEFT aligned
- HVAC System and System is Ductless on cooling and heating pages are now aligned on page
- Duct error no longer displays when selecting Save Details on multiple ducts page
- Duct location is required when running MJ8 calculation
- All calculations except FL Code now check for properly assigned lighting
- Crawlspace ventilation rate change and crawlspace wall height adjusted to be more representative
- Error check has been added during calculations to verify framing fraction is greater than zero

FLORIDA CODE CHANGES AND OTHER FEATURES

- FL Code 2017 ERI Method with new reports and shows pass or fail
- FL Code 2017 R-Value Prescriptive Method included
- FL Code 2017 Total UA Prescriptive Method included

- New Envelope Leakage Test Report. This new report was approved by the Energy TAC and FBC in December 2017.
- New Duct Leakage Test Report. This new report was approved by the Energy TAC and FBC in December 2017.
- Florida climate zone is now set correctly if mixed capitalization is entered
- Infiltration value should remain set to FL Code 2017 while viewing the FL Code 2017 summary report in view mode
- Software inserts proposed ACH50 into the Envelope Leakage Test Report for 2017 FL Code Performance and ERI
- Electric strip heat allowed for FL code calculations.
- FL Code 2017 no longer crashes when running an addition without a DHW system
- When selecting Florida code homes under the View menu item, EnergyGauge will no longer prompt to require lighting

HERS RATERS CHANGES AND OTHER FEATURES

- After running a HERS calculation HERS Index is displayed on top right on each page until entries are changed
- ENERGY STAR Target and thermal envelope status are displayed on top right on each page after running an ENERGY STAR calculation until entries are changed
- The time required for generating an RGU file has been significantly reduced
- New 2018 standard clothes washers now modeled in software. Typical result for such systems is reduced clothes dryer energy use.
- Post 2015 standard and ENERGY STAR dryers now modeled in software with potential, if installed, for more savings in dryer energy use.
- Clothes washer with specific data ('Energy Guide' choice on Clothes Washers page) may now use either the older 'Modified Energy Factor' entry or the newer 'Integrated Modified Energy Factor.' This data is not actually on label but can be obtained from manufacturer.
- Dryers with specific data ('Energy Factor Available' choice) can use either the older 'Energy Factor' or the newer 'Combined Energy Factor' choice.
- Mechanical ventilation is no longer accounted for twice in the HERS Rated home if one exists
- All dates are now checked to ensure they are not in the future during creation of an RGU file
- Added text to the IECC 2015 ERI and EnergyGauge ERI reports stating "The Home Energy Rating Standard Disclosure for this home is available from the Rating Provider"
- New RESNET Providers added to the database
- Install now preserves the verifiers entered in the previous software version
- HERS calculations check for properly assigned lighting
- RESNET_Pub_001_2016 changes have been added to the tax credit reference home
- Error on infiltration tab when viewing the HERS reference with a basement has been fixed.

- RESNET dryer error message no longer displays if home does not have a dryer when running HERS
- Water heater is now deleted after deleting and saving while on hot water page
- Indoor model number of cooling system is now required when creating an RGU
- Indoor model number of heating system is now required when creating an RGU
- Infiltration value that runs in the software when viewing the HERS reference house and then running a HERS is now correct [does not impact any HERS calculations of real homes – this feature is just used for testing].