

EnergyGauge USA 6.1.03

Release Notes –includes changes since 6.1.00

The latest release of EnergyGauge USA, Version 6.1.03 includes enhancements and bug fixes for HERS Raters. EnergyGauge USA for Florida code 6.0.02 is included.

KEY FEATURES ADDED (SOME FEATURES MAY ONLY APPEAR IN RATER VERISONS)

- A button has been added to the heating page to copy Cooling AHRI, Manufacturer, Outdoor Model and Indoor Model to heating with a button click
- ENERGY STAR IAF calculation option is now available
- Multiple years have been added to the Year of Construction drop-down selection
- ICF (Integrated Concrete Form) walls are now available for modeling below grade

WINDOWS VERSIONS SUPPORTED

Minimum System Requirements: Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10.

GENERAL NEW FEATURES

- A button has been added to the heating page to copy Cooling AHRI, Manufacturer, Outdoor Model and Indoor Model to heating with a button click
- ICF (Integrated Concrete Form) walls are now available for modeling below grade
- Multiple years have been added to the Year of Construction drop-down selection (note that this field is used for ratings, does not show on code reports)

GENERAL BUG FIXES

- “Change All” on wall page should no longer cause an error
- Intermittent saving issue when data input changes were not saved has been resolved with the Save Current Project menu option
- Cooling sub type should display after selection and leaving the cooling page
- Heating sub type should display after selection and leaving the heating page
- Temperatures on hourly reports are now updated during calculations, previously they were not always updated to the latest simulation run.
- Floor over garage insulation is now set correctly in simulation files in multi-family projects. Projects with floor over garage must have a garage defined belonging to the unit or belonging to neighboring units.

- Geothermal heat pump subtype now displays when multiple systems are selected on heating and cooling pages.
- Return leakage is now correct in Manual J duct load calculation when the supply and return ducts are in different locations
- Combined system duct details now displays all the input fields required.
- EnergyGauge USA now runs when a file has a space at the beginning of a title
- DHW UEF is now error checked for range below 1.00 when subtype is none
- Fix to Puerto Rico and Virgin Islands sizing values.
- Adjustment of system sizing values for mechanical ventilation runtime fraction
- The default for Automatic checks for updates was changed to false.

FLORIDA CODE FEATURES

FLORIDA CODE BUG FIXES

- Fixed issue when running FL Code after viewing Florida reference home. e-Ratio when viewing the FL Code 2017 Reference. For instance, Example_2017_Florida_Code_Jacksonville should now be 1.00.
- Roofing Material entry no longer disappears after running a 2017 FL Code
- Addition with Baseline HVAC now runs prescriptive without any issues
- Sizing of HVAC system for additions adjusted for internal gains appropriate for the addition.

HERS RATERS CHANGES AND OTHER FEATURES

- ENERGY STAR IAF calculation option is now available

HERS RATER BUG FIXES

- Project with multiple spaces no longer halt processing. You will no longer have to go to mechanical ventilation page and select none if you have no mechanical ventilation system.
- HERS IAF calculation no longer crashes after running ENERGY STAR calculation
- ENERGY STAR now runs with Tier II lighting
- HERS Reference updated to have a central unit if rated home has a PTAC
- Fix for occasional crash when running HERS IAD for building with two or more wall types.

ANNUAL SIMULATION