

EnergyGauge USA Version 7.5.01

RELEASE NOTES

GENERAL NEW FEATURES:

Version 7.5.01 is an update that includes the latest ENERGY STAR and DOE ZERH versions for use with the Tax Credit and other features and bug fixes described here.

Continue to use EGUSA7 icon to run Version 7.



GENERAL FEATURES

- No specific changes.

GENERAL BUG FIXES

- Pre-simulation sizing for cooling systems in climates with design temperature greater than or equal to 90 degrees. Some systems in reference homes or in some cases user homes may not have simulated with a large enough capacity to overcome our cooling system model degradation at high temperatures. This may alter results.
- Proposed ACH50 is now the default infiltration entry method for new projects
- SEER2 and HSPF2 entries are now available for combined systems that is used when a home has more than 5 systems.
- Roof and gable area entries no longer overlap the units on the roof entry screen
- Files with washer or dryer in garage will now load and no longer change washer or dryer location
- Error checking now requires heat pump in HSPF2 units if cooling is in SEER2 units
- Btu no longer displays next to the HSPF input field with heat pumps
- An error is displayed and a Space can no longer be deleted if the Space has ducts assigned to it
- Moving the SAVE_DATE column to the left on the Search grid no longer displays an integer error

FLORIDA ENERGY CODE

- Favorite calculation button for FL Code 2022 Supplement is now available for selection in preferences
- Envelope leakage test exception for additions now displays on the bottom of R405
- An error is displayed with 2020 and 2017 FL Code calculations if Permit Date is 1/1/23 or later, where 2022 Supplement is required
- Correct error now displays when running FL Code calculations on files from prior versions with heat pumps
- FL Code 2020 Performance no longer crashes or adds a door to the reference building with additions

ACCA Manual J and S and D

- Updates to the **ANSI/RESNET/ACCA 310 HVAC Design Report**, the **ENERGY STAR Single-Family New Homes National HVAC Design Report** and the **ENERGY STAR Single-Family New Homes National HVAC Design Supplement** to report up to five HVAC systems
- SEER2 and HSPF2 entries are now available for Manual S OEM archives
- Slab Below Grade insulation is no longer lost in Manual J sizing

Kwik Model 3D

- No specific changes.

IECC

- IECC 2021 UA Prescriptive Method and IECC 2021 R-Value Prescriptive Method have been added

TAX CREDIT

- ENERGY STAR SFNH Version 3.1 Revision 12 is available. This version is required for Tax Credits for home sold or leased on or after 1/1/23.
- ENERGY STAR MFNC Version 1 Revision 3 is available. This version is required for Tax Credits for home sold or leased on or after 1/1/23.
- DOE Zero Energy Ready Home (ZERH) Version 1 Revision 8 is available. This version is required for the 2nd level of Tax Credits for home sold or leased on or after 1/1/23.

HERS RATERS CHANGES

- ENERGY STAR SFNH Version 3.1 Revision 12 is available. This version is required for Tax Credits for home sold or leased on or after 1/1/23.
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- ENERGY STAR or Standard type entry is available for clothes washers even when Energy Guide is input method
- Ducts Tested At entry (Rough-in or final) input is error checked and required to create an RGU
- Measured Outdoor Dry-Bulb Temp is displayed on AHU page only when non-invasive test method is selected

ENERGY STAR and DOE ZERH

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ANNUAL SIMULATION

- No specific changes.