

EnergyGauge USA Version 7.5.0.0

RELEASE NOTES

GENERAL NEW FEATURES:

Version 7.5.0.0 is an update that includes the Florida Code 2020 with the 2022 Supplement, entries for HSPF2 and SEER2 for newly labeled equipment and other features and bug fixes described here.

- SEER2 is available for cooling equipment so labeled. You must select whether the system has SEER or SEER2 label and then enter the correct value.
- HSPF2 is available for heating equipment so labeled. You must select whether the heat pump has HSPF or HSPF2 label and then enter the correct value.
- Input summary report will show the type of efficiency label.



Continue to use EGUSA7 icon to run Version 7.

GENERAL FEATURES

- Infiltration method will default to ACH50 for new proposed projects

GENERAL BUG FIXES

- When using the combined HVAC system the program was just printing the predominant duct in the combined menu if they were in different locations such as attic and conditioned space.
- Will now not allow one to delete a space if ducts are located in that space
- Climate error should not display after creating a new project
- List out of bounds no longer displays when one or more ductless systems are modeled

FLORIDA ENERGY CODE

- Software approved for 2022 supplement to the 7th edition, 2020 Energy Conservation Code.
- Florida 2022 reference home in R405 procedure uses SEER2 of 14.3 and 13.8 depending on capacity (14.3 for systems < 45,000 Btus , and 13.8 for larger capacity systems) when a non-electric furnace is selected for heating. This is the minimum level **allowed to be installed** beginning Jan. 1 2023 in Southern states for central air conditioners under new federal regulation standard.

- Any new Central AC (not heat pump) used for compliance beginning with homes permitted Jan. 1, 2023 must be labeled with SEER2 and have a SEER2 rating of 14.3 for systems < 45,000 Btus, and 13.8 for larger capacity systems. Heat pumps with SEER ratings may still be installed. Software will accept SEER2/HSPF2 or SEER/HSPF for heat pumps.
- The R value report showed erroneous installed system when selecting SEER for single package system – that has been fixed.
- FL Code 2022 is required for permit dates on or after 1/1/23.
- FL Code 2022S Performance, FL Code 2022S R-Value and FL Code 2022S Total UA calculations are available in preferences to show up on favorite calculations for quick access.

ACCA Manual J and S and D

- ANSI/RESNET/ACCA 310 Design Report now shows full title on report menu

Kwik Model 3D

- Fixed a number of bugs on drawing tool and added some more error checking to reduce issues when closing drawing

IECC

- No specific changes.

TAX CREDIT

- No specific changes

HERS RATERS CHANGES

- Created new rating guide that shows both HERS index and CO₂e Index. Both old and new rating guides are created when registering.
- New CO₂e Index now calculated. This CO₂e index procedure recently created by RESNET uses projected electric grid CO₂e for each hour of the year.
- Zip code is required for CO₂ calculations.
- Enforced that all ratings for permit date after Jan. 1, 2022 are calculated with the HVAC grading methodology; this still allows user to select “Not Tested” on the AHU screen entries if part or entire system is not tested.
- Climate error should not display during registration

ENERGY STAR and ZERH

- No specific changes.

ANNUAL SIMULATION:

- No specific changes.