

EnergyGauge USA Version 8.1.02

RELEASE NOTES

GENERAL NEW FEATURES

Version 8.1.02 is a minor update to version 8.1.00.

GENERAL BUG FIXES

- Reading in third party input files made more robust for roof solar absorptance.
- Water heating federal UEF efficiency equation we use would sometimes cause a system to not comply when for all practical purposes it was meeting the requirement – this has been resolved.

FLORIDA ENERGY CODE

- Florida Code Summary Report available from the Report menu is now enabled for the 8th edition (2023) of the Florida Building Code, Energy Conservation.
- The 1st page of the Florida performance code report will only show the footnote for the duct leakage requirement of the type of ducts (Default or required to be tested) entered in that home.
- Removed the error checking that was requiring new equipment efficiencies for existing homes. “Existing AC System” must be selected in “Replacement” dropdown on “Cooling” tab and “Existing Heat System” must be selected in “Replacement” dropdown on “Heating” tab. Existing homes that update equipment will still need to install federally legal systems.
- Fixed issue where cooling header might be on one page and cooling details on next page of input summary report.
- Now allow electric resistance heat for existing buildings in both climates due to DBPR memo.

ACCA Manual J and S and D

- No changes

Kwik Model 3D

- No changes

IECC

- IECC 2021 U Value method – improved rounding on report so fail and pass line up with values.
- IECC 2021 Verification for 95% of SHGC requirement added when obtaining compliance by 95% UA method.

TAX CREDIT

- No changes

HERS RATERS CHANGES

- Modified mechanical ventilation fan power minimum and associated message.

ENERGY STAR and DOE ZERH

- No changes.