

EnergyGauge USA Version 7.0.03

RELEASE NOTES

GENERAL NEW FEATURES:

Version 7.0.03 is a minor update with bug fixes to version 7.0.01. It does include three major new features for some software licenses:

- For all licenses, added a CSV formatted file feature that saves all values from running the Annual Simulation report as a .csv file in the documents folder.
- ResSizePro and ResRateSizePro licenses now include the ability to create an ACCA Manual D report if the characteristics of the ductwork are entered.
- ResRateSizePro licensees (available only to HERS raters at the moment) now have the option of entering the building geometry via a 3D drawing tool, Kwik Model 3D. Kwik Model also allows for drawing a duct system. Kwik Model capabilities and training opportunities will be communicated with those licensees. In the near future the Kwik Model feature will be expanded to ResSizePro version which is available to non-raters.



Continue to use EGUSA7 icon to run Version 7.

GENERAL BUG FIXES

- Check for Better TMY Site button on Climate screen no longer returns an 1816 value if it has not found a better site.
- Made gas cost and gas price visible for EnergyGuide label entries on Dishwasher screen as that input is important to calculate the dishwasher energy use from the hot water energy use from the label entry.
- Error saving with AHU screen BlowerFan Airflow Flow Hood or Static Pressure Table Test Method selected has been fixed.
- Cooling Tower input labels no longer display on the Cooling screen when creating a new project without a cooling tower.
- Typo in the text below the Proposed AHU Grades on the AHU screen was fixed.

- User will no longer be prompted to save AHU screen changes when closing project.
- Emissions data updated to new RESNET values.
- Block volume on Building Input Summary Report no longer displays too many decimal places to see value.
- An install issue encountered by at least one user was fixed.
- Fixed issue where Mechanical Ventilation for multiple systems had unusual results if one system had no vent.

ACCA Manual J and S and D

- ACCA Manual D Residential Duct Design has been added.
- Fix to concrete block wall with R5 insulation for ACCA Manual J8 load.
- Short form report for ACCA Manual J8 is now available.
- Make load units on ACCA Manual S report all in Btu/h similar to ACCA Manual J Summary screen.
- ANSI/RESNET/ACCA 310 HVAC Design Report has been added.
- Added worst case to ACCA Manual J8 Design Report.
- Added Block Name to top of ACCA Manual S report and to ACCA Manual S edit buttons on ACCA Manual S Overview Form.
- Submitted heating and cooling should display as passing in ACCA Manual J8 if they meet 100% of the load.
- Choice of infiltration methods for ACCA Manual J8 expanded to include ACCA Manual J8 defaults.
- Added ability to modify climate outdoor design temperatures for ACCA Manual J8 sizing.
- ACCA Manual S not saving fan exp airflow has been fixed.
- ACCA Manual S report not showing loads for systems 2 – 5 has been fixed.

FLORIDA ENERGY CODE

- Heat Trap error message now references the correct code section.
- 2020 FL Code Performance report now displays NA when DHW system is missing.
- 2020 FL Code Performance report now displays Width and Height of each window entry.
- Exponent no longer displays in the building volume on the FL Code 2020 envelope leakage reports.
- Mouse over no longer displays RESNET Addendum 48i COVID exception after selecting the FL Code 2017 or FL Code 2020 calculation menu item.
- 2020 FL Code Performance report no longer cuts off data for duct and ceilings.
- 2020 FL Code Performance worst case no longer displays access violation.
- Proposed hot water load now included in 2020 FL Code Performance calculations, Summary screen, and Form R405-2020 report when using propane water heater.

IECC

- No changes.

TAX CREDIT

- Removed the error check from Publication 002 that checks for number of bedrooms.

HERS RATERS CHANGES AND OTHER FEATURES

- Hourly report energy uses now populates the *Available* list after running ratings like they do for annual simulation.
- Disallow COVID exceptions for all calculations.

ENERGY STAR and ZERH

- DOE ZERH worst case calculation now runs 4 orientations.
- Ductless ENERGY STAR MFNC error no longer displays when creating reference building.

ANNUAL SIMULATION:

- Added a CSV formatted file feature that saves all values from running the Annual Simulation report as a .csv file in the documents folder.
- See general bug fixes.