

EnergyGauge[®]

Energy and Economic Analysis Software

Software Package for HERS, ACCA System Sizing, IECC, Code Compliance and an advanced energy analysis tool



EnergyGauge USA

- New Features in the Next Release
 - EnergyGauge USA 6
- New Functionality in Development

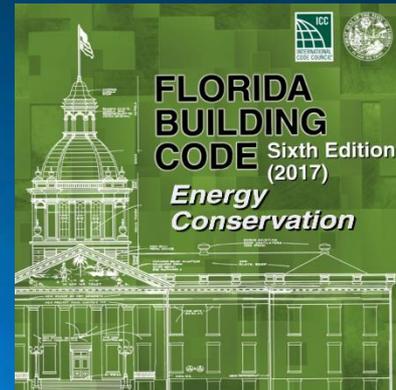


New features in version 6.0

- ENERGY STAR Rev. 09
 - Changes to HERS Index Target Procedure
 - Size Adjustment Factor (SAF)
 - Removed from National 3.1 calculation
 - Removed from Florida 3.1 calculation
 - Reference Furnace AFUE 0.80 for Climate Zone 3
 - Tankless Gas Water Heater
 - Reference home equipped with a 50 gallon tank
 - Lighting
 - 0% efficient lighting for exterior and garage



New features in version 6.0 (Cont.)



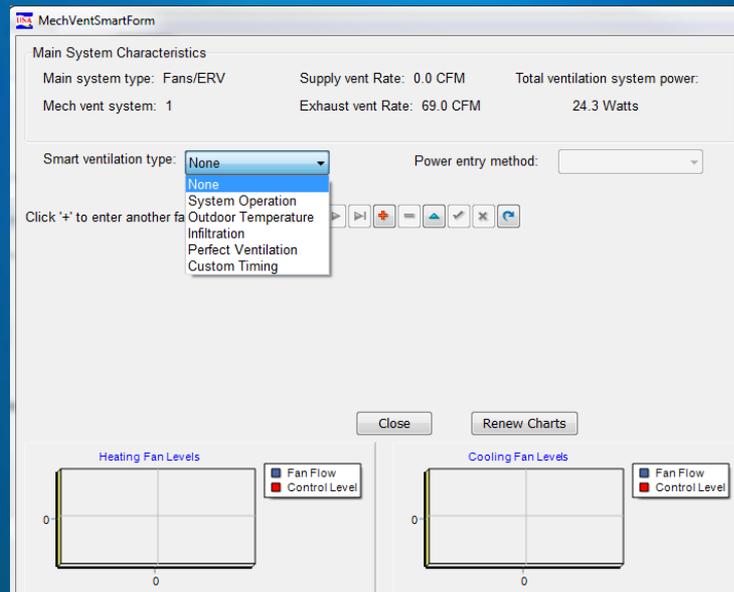
➤ Florida Building Code

- Energy Conservation, Sixth Edition (2017)
- Effective Date December 31, 2017
- Performance Method



New features in version 6.0 (Cont.)

➤ Hybrid and Smart Mechanical Ventilation Choices



Currently in development

➤ ENERGY STAR HVAC Design Report (Rev. 08)



HVAC Design Report ¹
ENERGY STAR Certified Homes, Version 3 / 3.1 (Rev. 08)

HVAC Designer Responsibilities:

- Complete one HVAC Design Report for each system design for a house plan, created for either the specific plan configuration (i.e., elevation, option, orientation, & county) of the home to be certified or for a plan that is intended to be built with potentially different configurations (i.e., different elevations, options, and/or orientations). Visit www.energystar.gov/newhomeshvacdesign and see Footnote 2 for more information. ²
- Obtain efficiency features (e.g., window performance, insulation levels, and infiltration rate) from the builder or Home Energy Rater.
- Provide the completed HVAC Design Report to the builder or credentialed HVAC contractor and to the Home Energy Rater.

1. Design Overview

1.1 Designer name: _____ Designer company: _____ Date: _____

1.2 Select which party you are providing these design services to: Builder or Credentialed HVAC contractor

1.3 Name of company you are providing these design services to (if different than Item 1.1): _____

1.4 Area that system serves: Whole-house Upper-level Lower-level Other _____

1.5 Is cooling system for a temporary occupant load? ³ Yes No

1.6 House plan: _____ Check box to indicate whether the system design is site-specific or part of a group: ²

Site-specific design. Option(s) & elevation(s) modeled: _____

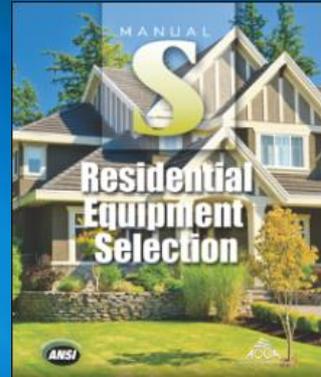
Group design. Group #: _____ out of _____ total groups for this house plan. Configuration modeled: _____

➤ ENERGY STAR Rater Pro

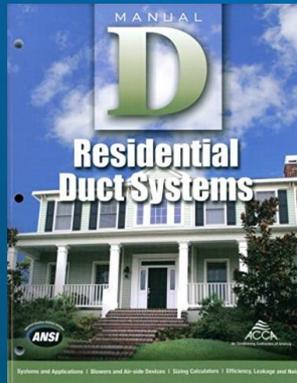


Currently in development (Cont.)

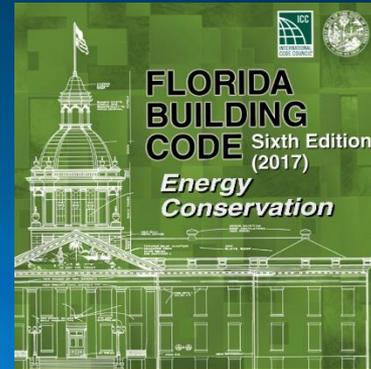
- ACCA Manual S – Residential Equipment Selection – updated



- ACCA Manual D – Residential Duct Design



Currently in development (Cont.)



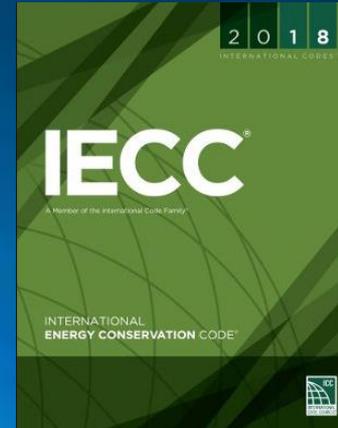
- Florida Building Code, Energy Conservation, Sixth Edition (2017)
 - ERI Method
 - R-Value Prescriptive Method
 - Total UA Prescriptive Method



Currently in development (Cont.)

➤ 2018 IECC

- Performance Method
- ERI Method
- R-Value Prescriptive Method
- Total UA Prescriptive Method



Currently in development (Cont.)

- EnergyGauge XML
 - Import
 - Export



Questions?

