

EnergyGauge Summit 6.0.0 Release Notes

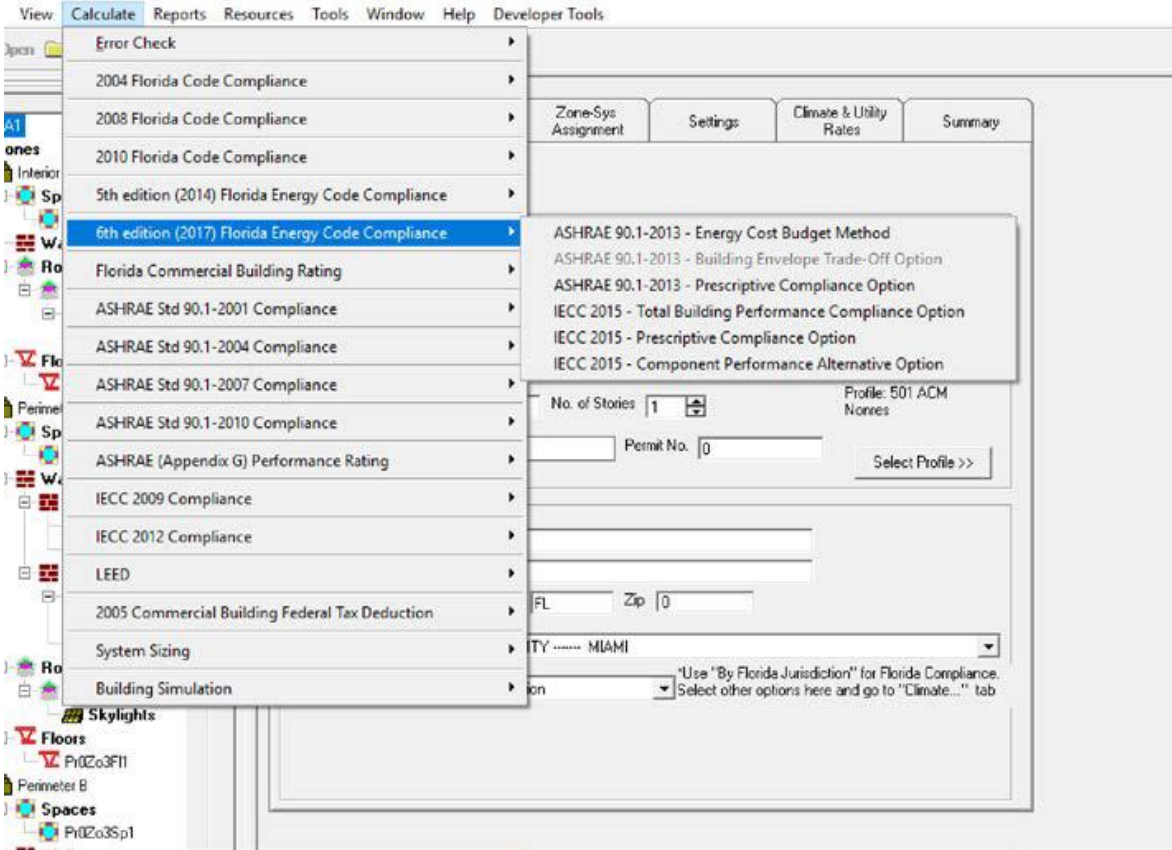
Date of release: Dec 20, 2017

Release 6.0.0 now includes compliance calculations for the 2017 Florida Building Code, Energy Conservation (6th Edition). Effective data is December 31, 2017.

Compliance options

The five compliance procedures for the FLORIDA ENERGY CODE COMPLIANCE FOR COMMERCIAL BUILDINGS supported in Summit 6.0.0 are:

- 1. ASHRAE 90.1-2013 - Energy Cost Budget Method
- 2. ASHRAE 90.1-2013 - Prescriptive Compliance Option
- 3. IECC 2015 - Total Building Performance Compliance Option
- 4. IECC 2015 - Prescriptive Compliance Option
- 5. IECC 2015 – Component Performance Alternative Option



6th Edition (2017) Florida Energy Code Compliance - Compliance reports will be displayed on the screen when **Calculate** -> **Compliance** and one of the following options is chosen. The Compliance sub menu has the following options:

* *ASHRAE 90.1-2013 - Energy Cost Budget Method* - Runs the Energy Cost Budget Method described in ASHRAE 90.1-2013. This is a computer based annual energy performance calculation. Under this method, energy performance is calculated for the entire building based on the envelope and major energy-consuming systems specified in the design, and simultaneously for a reference building of the same configuration but with reference features.

* *ASHRAE 90.1-2013 - Prescriptive Compliance Option* - Runs the Prescriptive Compliance Option described in ASHRAE 90.1-2013. Under this method, the building envelope must meet minimum prescriptive criteria.

* *IECC 2015 - Total Building Performance Compliance Option* - Runs the Total Building Performance Compliance Option described in IECC 2015. This is a computer based annual energy performance calculation. Under this method, energy performance is calculated for the entire building based on the envelope and major energy-consuming systems specified in the design, and simultaneously for a reference building of the same configuration but with reference features.

* *IECC 2015 - Prescriptive Compliance Option* - Runs the Prescriptive Compliance Option described in IECC 2015. Under this method, the building envelope must meet minimum prescriptive criteria.

* *IECC 2015 – Component Performance Alternative*: - Runs the Component Performance Alternative Compliance Option described in IECC 2015. Under this method, trade-off is allowed between the envelope components.

Note: The ASHRAE 90.1-2013 Envelope trade-off option is not yet supported in Summit 6.0.0

Steps to Comply with Florida 2017 (6thEd) Building Code

The options can be invoked by going to the appropriate items in the calculate menu as follows:

'**Calculate**' -> '**6th Edition (2017) Florida Energy Code Compliance**' -> '**IECC 2015 - Total Building Performance Compliance Option**' or other options you may choose.

1. Open new file and enter data. The user manual explains all the screens, input procedures and input details.
2. After entering inputs go to Calculate -> Error Check. Correct errors that are found
3. Run the appropriate compliance Calculate -> 6th Edition (2017) Florida Energy Code Compliance -> IECC 2015 - Total Building Performance Compliance Option or other options
4. Check the reports generated to see if the building complies. See Appendix A of the help input manual on input and output reports.
5. View the reports and look for elements that have failed. The reasons for failing will usually be given in the reports

6. For elements that have failed verify that your entries were correct. If your entries are correct you can try running one of the other code calculation compliance options to see if the building may pass.
7. If the building does not pass using any of the code methods, inform the designer of the required building changes.