



February 23, 2012

Florida Building Commission
Building Codes and Standards Office
2555 Shumard Oak Blvd.
Tallahassee, Florida 32399-2100

RE: Submission of EnergyGauge USA 3.0 for approval for the 2010 Florida Energy Code for Residential Buildings.

The Florida Solar Energy Center is pleased to submit EnergyGauge USA 3.0 for approval for the 2010 Florida Energy Code for Residential Buildings.

Certification

To the best of our knowledge, judgment and interpretation, we certify that the software submitted meets the requirements to demonstrate compliance of the 2010 Florida Energy Code for residential buildings and the procedures of the "Energy Simulation Tool Approval Technical Assistance Manual, TAM-2010-1.0."

Disclaimer

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Contents of submission:

- 1) Hard copy of this letter (2 copies)
- 2) Hard copy of the report entitled "**2010 Florida Energy Code Software Verification Test Report: EnergyGauge® USA version 3.0,**" (2 copies)
- 3) User Manual for EnergyGauge 3.0 (2 copies)
- 4) Two copies of a CD whose contents are as follows:
 - a. **File Named "Letter.pdf"**: is this letter
 - b. **The 2010 Florida Energy Code Software Verification Test Report: EnergyGauge® USA version 3.0** report – described under 2)
 - c. **User manual for EnergyGauge USA FLARES 3.0** described under 3)
 - d. Directory named "**EnergyGauge USA Install**": Contains the software install package for EnergyGauge USA 3.0 including the HELP file. Reviewers without licenses may use the free 15 day trial license.
 - e. Directory named "**Tests**": Contains all the EnergyGauge USA files used for the Bestest verification. The organization is by test:
 - **BESTEST**



- FL-BESTEST
- FL-AutoGen (auto-generation of standard reference home)
- HVAC-tests (heating and cooling)
- DSE-tests (duct system)
- DHW-tests (hot water)

Each of these directories has subdirectories as follows:

- Input – contains the EnergyGauge input files for each test
- Output – contains PDF copies of the output files generated by EnergyGauge for each test
- Procedures – contains the written procedures for each test suite
- Results – contains the results completed spreadsheets provided by the Florida Building Commission for reporting results