

## EnergyGauge USA

- An easy-to-use, powerful hourly simulation design tool specifically for:
  - The design of energy-efficient homes and
  - The evaluation of utility peak demand impacts
- Featuring:
  - FSEC-enhanced DOE-2.1E hourly simulations, analysis and reports
  - Integrated energy and economic analysis
  - Accredited HERS Rating analysis
  - IECC 1998/2000 Code compliance analysis

## FSEC Enhancements to DOE-2

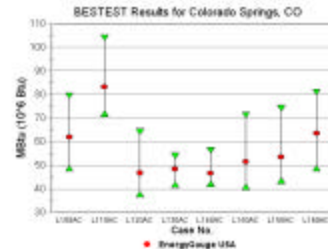
- More accurate computation of heating and cooling system part load performance
- More accurate prediction of indoor air relative humidity
- Coil airflow and system sizing impact on heat pump and air conditioner performance
- More accurate ground contact modeling
- More accurate attic modeling (including attic ventilation, reflective roofing and radiant barriers)
- Detailed hourly modeling of duct heat transfer and air leakage

## Ultra-friendly User Interface



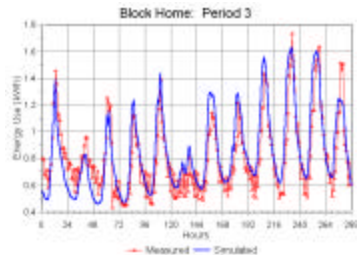
- Notebook-type navigation tabs
- Extensive pull-down menus for data input
- Any order data input
- Extensive input error checking
- Full, context-sensitive help

## Example HERS BESTEST Results



Online at: [www.fsec.ucf.edu/~bdac/pubs/bestest/r55.htm](http://www.fsec.ucf.edu/~bdac/pubs/bestest/r55.htm)

## Comparison Against Measured Data



Online at: [www.fsec.ucf.edu/~bdac/pubs/valid/p337.htm](http://www.fsec.ucf.edu/~bdac/pubs/valid/p337.htm)