Side by Side Evaluation of Residential Hot Water Heating Systems

Florida Energy Systems Consortium

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2009 – Present (Currently fourth testing rotation)
HWS Laboratory Testing Conditions, Cocoa, FL

- 120 F Thermostat Setting
- Draws @1.5 gpm flowrate
- Real mains inlet water and ambient temperature
- Hot water draw schedules
  - ASHRAE (64.3 gpd)
  - NREL/BA (varies monthly)

Gallons
NREL/BA
High = 67
Low = 42
Average 54.8 gpd
Performance History of Water Heaters at FSEC HWS Laboratory (Cocoa, FL)

![Graph showing energy savings for different water heater types.]

**Questions?......Thank You**
Standard vs. Hybrid Water Heaters
Average Daily Energy Demand Perspective

Questions?...Thank You