

Special Features of the OGZEB:

- Hydrogen Appliances – (Burn hydrogen rather than natural gas, cleaner)
 - Water Heater
 - Stove/Oven
 - HVAC
- Rain Water Collection
 - Store water for irrigation purposes
 - Manage storm water run off
- High Efficiency Water Use
 - Low flow fixtures
 - Recycle grey water
- High Efficiency Lighting
 - LEDs
 - Reduce power consumed
 - Reduce heat emitted by lights
 - Passive Solar Skylights
 - Harness sun light efficiently
 - Our Design reduces heat transfer
 - Reduce Light Pollution
 - Prevent light from escaping building and effecting the environment
- Completely Solar Powered
 - Solar Cells provide electricity
 - Collectors Concentrating Solar Provide
 - Hot water
 - Solar Heat Powered HVAC
- Hydrogen Production and Use
 - New electrolyzer developed by SESEC
 - New fuel cell developed by SESEC
- Construction Waste Management and Reuse
 - Design the building based on available materials to reduce building waste
 - Reuse when at all possible
- Regional Materials
 - Utilize materials within a 500 mi radius of Tallahassee
- Rapidly Renewable Materials
 - Use materials that take under 10 yrs to grow
 - Easy to replace and less detrimental to the environment
- Data Collection
 - Collected data
 - Inside conditions
 - Outdoor air used in house
 - Ventilation and emissions
 - Lighting effectiveness
- Platinum Certification from the United States Green Building Council
 - Highest Level of Certification
 - One of only 15 buildings with this level of certification