



Hawkins Residence

Ellijay, GA



Project Type: New Construction – OFF GRID

Designer: Bob Bourguignon

Builders: Rick Woody Construction.

Constructed of ICFs and SIPs, this 2,235 sq. ft., 2 story home is not connected to the power grid and depends entirely on solar power, a masonry heater, and a backup generator. The power shed is also used as a shop and firewood storage. Throughout its first winter the southeast had record cold, and 3 major snow storms, one the worst in 25 years, the heat pump was never used and the backup generator used once.



Sustainable Features

- No impervious exterior ground surfaces
- Building Orientation
- SIP Roof Construction
- ICF wall Construction
- High efficiency windows
- No turf
- Native Planting
- No connection to power grid
- 6.8 KW Photovoltaic Power
- Rainwater capture
- Daylighting
- No garage
- Low flow fixtures
- Stained Concrete 1st Floor
- High efficiency appliances
- Masonry Heater
- Geothermal heat pump
- Heat exhaust/lookout tower
- All casework used
- Root Cellar

