

## HOW “GREEN?”

- Tight log construction: responsibly harvested WI pine, high insulation and thermal constancy, low materials demand (no siding, wall coverings). Reclaimed walnut trim.
- Superinsulation: R60 two-layer ceiling, R24-40 walls; triple-pane windows & doors
- Efficient geothermal system with 3 wells to 150’, radiant slab heating and chilled-water cooling; water/water heat transfer
- Photovoltaic array with peak capacity of 6kW, 1000kWh production in first month (>demand)
- Efficient lighting (LED) & appliances, including induction cooktop
- Siting and orientation of building and windows maximize insolation to photovoltaics, minimize heat gain in summer

## WHO DID THE WORK?

- Edwards Heating & Cooling  
Aaron Townsend, gen. contractor. Geothermal system, electrical, plumbing, insulation, excavation.



- Frontier Builders, Land O’ Lakes WI  
Dan Wait. Log shell & roof deck, counters, window & door installation



- Blocher Construction  
Martin & Russ Blocher. Roof system, interior walls, wood trim



- Solar Systems of IN  
Alex Jarvis. Photovoltaic array, inverter control, monitoring



- Pella Windows & Doors  
McComb Windows, Angelo Zarvas. Designer series, custom triple-pane
- John Hack Excavation, and Ely Concrete  
Septic system, foundation and slab