



- Finished Area: 2,800 SF
Features:
- Certified as DOE Zero Energy Ready Home
 - ENERGY STAR Certified
 - Passive solar design
 - 7.3 kW solar
 - Insulation:
 - R-80 Ceiling
 - R-30 Walls
 - EPA WaterSense
 - EPA Indoor AirPlus Certified

This home is a custom zero energy design build project constructed for a local family with the intention of being 100% electric. This project adheres to stringent requirements set by the DOE Zero Energy Ready Homes program for insulation, air tightness, air quality, and optimized HVAC system.

The project features ENERGY STAR appliances, whole-house fresh air Energy Recovery Ventilator, LED lighting, and custom detailing such as recycled paper countertops.



Envinity collected and analyzed 2019 energy usage data for each home to learn how close each home came to pre-construction projections. Actual energy usage for both homes was 13% more than modelled, while actual solar production was 7% less than modelled.

The average monthly electric bill for both homes was \$11.99.

GreenBuild: Modelled vs Actual Annual Energy Usage and Solar Production

