



Howard Building Science, Inc.

Duke St. Cottage Two-Bedroom | Granite Falls, NC



PROJECT DATA

- **Layout:** 2 bed, 1.0 bath, 1 fl, 800 ft²
- **Climate:** 2015 IECC Mixed Humid North
- **Category:** Affordable

Modeled Performance Data

- **ERI:** without PV 44
- **Annual Energy Costs:** without PV \$900
- **Annual Energy Cost Savings:** without PV \$600
- **Annual Energy Savings:** without PV 5,800 kWh
- **Savings in the First 30 Years:** without PV \$25,650

KEY FEATURES

- All-electric home
- Compact (core) plumbing design
- Energy / Heat recovery ventilator
- Electric Vehicle Charger Installed or Wired for Charger
- Heat pump water heater
- Sensor controls for better indoor air quality
- Structural insulated panel (SIP) walls or walls and roof
- Unvented insulated attic

CONTACT

(828) 217-0506

<https://howardbuildingscience.com/>

TESTIMONIAL

We thoroughly enjoy our DOE Zero Energy Ready Home because of the consistent air quality and tremendous energy savings. From designing our home to the installation, everything was a smooth process.

- Homeowners



U.S. DEPARTMENT of ENERGY | Office of Critical Minerals and Energy Innovation

For more information on the DOE Efficient New Homes program:
<https://www.energy.gov/eere/buildings/doe-efficient-new-homes-program>