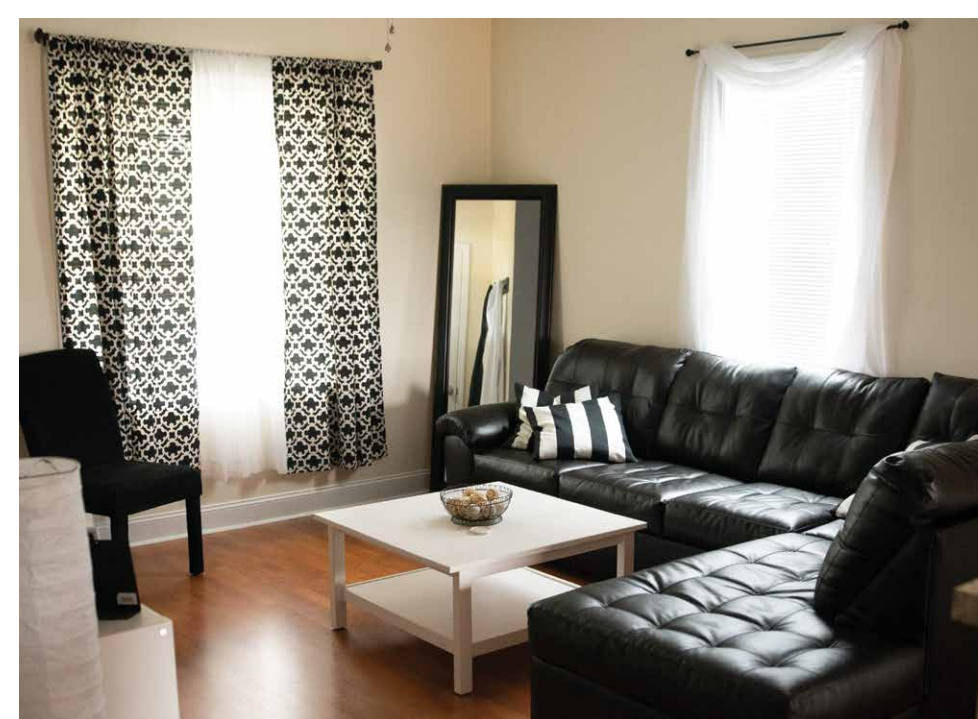




*Photos courtesy of Habitat for Humanity of Catawba Valley*

“A home that is not only affordable to purchase, but also affordable to own and operate.” *Habitat for Humanity Catawba Valley*



## PROJECT DATA

- **Layout:** 3 bdrm, 2 bath, 1 fl, 1,160 ft<sup>2</sup>
- **Climate:** IECC 4A, mixed-humid
- **Completed:** January 2019
- **Category:** affordable

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 40
- **Annual Energy Costs:** without PV \$750
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$300
- **Annual Energy Savings:** without PV 3,400 kWh
- **Savings in the First 30 Years:** \$12,200

## KEY FEATURES

- **Walls:** 2x6 24" o.c. advanced framing: ladder blocking, open and insulated headers, R-26 total: ½" drywall, R-19 unfaced batts, ½" OSB sheathing, 1" taped rigid foam, 1x4 furring strips, ⅜" engineered wood lap siding.
- **Roof:** Gable roof; coated OSB sheathing, architectural asphalt shingles.
- **Attic:** Vented attic; 20" R-50 blown fiberglass; 24" raised heel trusses.
- **Foundation:** Unvented crawlspace, R-11 total: 2" rigid EPS on inside face of 8" CMU, rubberized waterproof coating, 12-mil reinforced polyethylene liner over dirt.
- **Windows:** Double-pane, argon-filled, low-e, vinyl single-hung frames, U=0.30, SHGC=0.22.
- **Air Sealing:** 2.5 ACH 50, drywall glued at top plate, sill seal.
- **Ventilation:** ERV, MERV 13 filters.
- **HVAC:** Ductless mini-split heat pump, 12.5 HSPF, 26.1 SEER, 1 indoor air handler, 1 outdoor compressor; dehumidifier in crawl.
- **Hot Water:** Heat pump water heater, 3.39 EF, 50-gal., compact plumbing design.
- **Lighting:** 100% LED, motion sensors on exterior lights.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer, and dehumidifier.
- **Solar:** Solar ready.
- **Water Conservation:** WaterSense-labeled fixtures and toilets.
- **Energy Management System:** Programmable thermostat.
- **Other:** 3-ft doors and hallways, low-VOC paint, Green Guard cabinets and flooring, passive radon vent, IBHS Fortified Home Bronze-level features.

## CONTACT

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