



# Health-E-Community Enterprises of Virginia Inc.

The Villas at Rocketts Landing | Richmond, VA | VRLHomes.com



Photos courtesy of Health-E-Community Enterprises of Virginia Inc.

"It's a win-win experience." Jay Epstein, owner, Health-E-Community Enterprises



## PROJECT DATA

- **Layout:** 3 bdrm, 2.5 bath, 2 fl, 2,170 ft<sup>2</sup>
- **Climate:** IECC 4A, mixed-humid
- **Completed:** May 2016
- **Category:** custom spec

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 42, with PV 0
- **Projected Annual Energy Costs:** without PV \$1,151, with PV \$163
- **Projected Annual Energy Cost Savings:** (vs home built to 2012 IECC) without PV \$1,257, with PV \$2,609
- **Annual Energy Savings:** without PV 11,425 kWh, with PV 21,020 kWh

## KEY FEATURES

- **Walls:** R-22 walls of 2x4 24" oc studs, advanced housewrap. Framed, 2.5" R-17 polyurethane closed-cell spray foam, R-5 graphite-enhanced rigid foam sheathing, fiber-cement siding.
- **Roof:** 30-yr architectural shingles, continuous ridge vent.
- **Attic:** Vented with R-50 blown cellulose, 14" raised heel trusses. All top plates sealed with open-cell foam, attic stair has air-sealing insulated cover.
- **Foundation:** Sealed, conditioned crawlspace. R-11 fiberglass blanket sidewalls, rim band insulated with closed-cell spray foam.
- **Windows:** R-5 triple-pane, vinyl-framed, low-e, argon-filled, U=0.20, SHGC=0.24.
- **Air Sealing:** 1.23 ACH 50.
- **Ventilation:** ERV, MERV 13 filters.
- **HVAC:** Heat pump, 8.5 HSPF, 15.5 SEER, all ductwork between floors, transfer grilles for pressure balancing from bedrooms.
- **Hot Water:** 50-gal heat pump water heater, 3.25 EF.
- **Lighting:** 100% LED, two ENERGY STAR ceiling fans.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer & dryer.
- **Solar:** 6.8-kW PV with storage-capable inverter.
- **Water Conservation Features:** Push button recirculating pump.

## CONTACT

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