

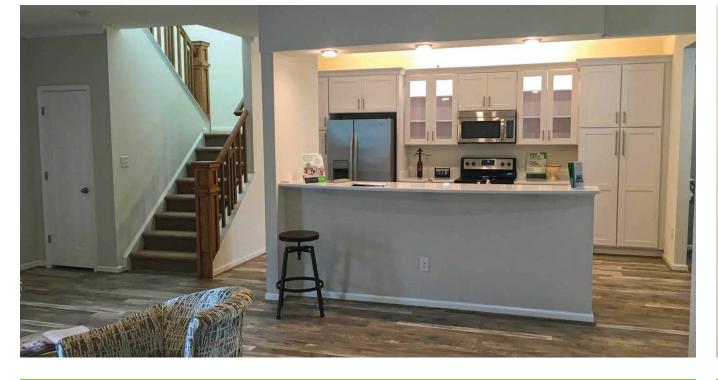
Health-E-Community Enterprises of Virginia Inc.

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















PROJECT DATA

- **Layout:** 3 bdrm, 2.5 bath, 2 fl, 2,170 ft²
- Climate: IECC 4A, mixed-humid
- Completed: May 2016
- Category: custom spec

MODELED PERFORMANCE DATA

- **HERS Index:** wihtout 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

CONTACT

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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, fibercement 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.





