



# Greenhill Contracting

Jewels Court | New Paltz, NY | ZeroNetNow.com



Photos courtesy of Greenhill Contracting

“There is a noticeable difference in air-quality inside our home, especially during allergy season. For a family of allergy sufferers this is invaluable.” Home owner



## PROJECT DATA

- **Layout:** 3 bdrm, 3.5 bath, 3 fl + bsmt, 3,912 ft<sup>2</sup>
- **Climate:** IECC 6A, cold
- **Completed:** May 2016
- **Category:** custom for buyer

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 29, with PV -11
- **Projected Annual Energy Costs:** without PV \$1,875, with PV -\$322
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV \$3,200, with PV \$5,397
- **Annual Energy Savings:** without PV 24,615 kWh, with PV 41,518 kWh

## CONTACT

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## KEY FEATURES

- **Walls:** R-22 ICF, vinyl siding, liquid-applied door and window flashing.
- **Roof:** Asphalt shingles, peel and stick at edges and valleys.
- **Attic:** R-64 vaulted ceilings, insulated, unvented roof with 11" open-cell + 2" closed-cell spray foam.
- **Foundation:** ICF below-grade foundation walls for R-22 at slab edge, R-27 closed-cell spray foam under slab.
- **Windows:** Triple-pane, U=0.17, SHGC=0.23, argon-fill, vinyl-framed.
- **Air Sealing:** 0.16 ACH 50.
- **Ventilation:** ERV, MERV 7 and 11 filters, returns from bathrooms, kitchen, and laundry.
- **HVAC:** Ground-source heat pump, 5.7 COP, 19.5 EER, all ducts inside.
- **Hot Water:** Ground-source heat pump desuperheater and 50-gal. air-source heat pump tank water heater 3.1 EF.
- **Lighting:** 100% LED.
- **ENERGY STAR Appliances:** Refrigerator, clothes washer, dishwasher; heat pump clothes dryer.
- **Solar:** 13.440-kW PV.
- **Water Conservation:** Low-flow fixtures, drought-tolerant plants.
- **Energy Management System:** None.
- **Other:** NO-VOC paint, 75% construction debris recycled, disaster-resistant ICF construction with spray foam and hurricane clips.

