**United Way of Long Island**

**United Veterans Beacon House | Deer Park, NY | UnitedWayLI.org**

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**Contact**

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**Project Data**

- **Layout:** 4 bdrm, 2 bath, 2 fl + bsmt, 1,890 ft²  
- **Climate:** IECC 4A, mixed-humid  
- **Completed:** May 2016  
- **Category:** affordable

**Modeled Performance Data**

- **HERS Index:** without PV 32, with PV 9  
- **Projected Annual Energy Costs:** without PV $2,283, with PV $676  
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV $873, with PV $2,567  
- **Annual Energy Savings:** without PV 4,364 kWh, with PV 12,833 kWh

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**Key Features**

- **Walls:** Double 2x4 24” o.c. stud wall for 8” cavity filled with dense-packed cellulose, advanced framing, ½” coated OSB sheathing, two layers of ¼” rigid insulation, furring strips, vinyl siding.  
- **Roof:** Ice-and-water shield at valleys, drip line, roof edges, 30# felt, architectural fiberglass shingles.  
- **Attic:** Vented attic, raised-heal trusses, R-60 blown cellulose.  
- **Foundation:** Basement, poured concrete with 2.5” R-12.5 polyiso on interior. Exterior covered with elastomeric waterproofing membrane plus fiber protection board to footing.  
- **Windows:** Vinyl-framed, double-pane, low-e, argon-filled windows, U=0.2, SHGC=0.24.  
- **Air Sealing:** 3.25 ACH 50.  
- **Ventilation:** ERV, MERV 13 filter.  
- **HVAC:** Hydrocoil split air system attached to 95 AFUE wall-hung gas-fired boiler, 16 SEER AC.  
- **Hot Water:** Wall-hung boiler.  
- **Lighting:** 85% LED, 15% fluorescent, motion controlled exterior lighting.  
- **Appliances:** ENERGY STAR refrigerator, dishwasher, and clothes washer.  
- **Solar:** 6.9-kW PV.  
- **Water Conservation:** WaterSense fixtures and irrigation.  
- **Energy Management System:** Wifi-enabled thermostat.  
- **Other:** Low-VOC paint and finishes, formaldehyde-free furnishings.