

# United Way of Long Island

Net Positive All Electric Home | Deer Park, NY | UnitedWayLl.org





"[Zero Energy Ready Home] is the best solution for our type of housing we produce." United Way of Long Island



### **PROJECT DATA**

- Layout: 5 bdrm, 2 bath, 2 fls, 2,500 ft<sup>2</sup>
- **Climate:** IECC 4A, mixed-humid
- Completed: June 2020
- **Category:** Affordable Multifamily

#### **KEY FEATURES**

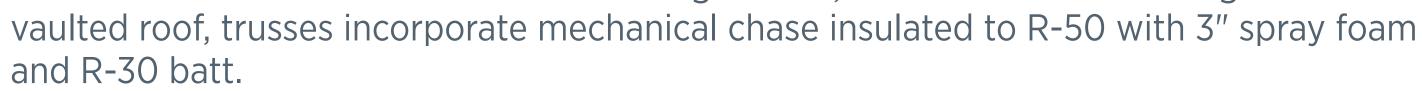
- Walls: 2x6, 24" o.c., R-33 total: 51-1/8" graphite EPS foam topped by 1/2" OSB, textured house wrap, spruce and engineered wood siding and trim.
- **Roof:** Truss gable roof: coated taped <sup>5</sup>/<sub>8</sub>" OSB sheathing, ice & water shield fiberglass composite shingles, standing seam metal roof.
- Attic: Vented attic: 14" R-50 blown-in fiberglass flat, 18" R-65 blown-in fiberglass in

#### **MODELED PERFORMANCE DATA**

- **HERS Index:** without PV 37; with PV -2
- Annual Energy Costs: without PV \$5,300; with PV \$0
- Annual Energy Cost Savings: (VS typical new homes) without PV \$2,200; with PV \$5,250
- Annual Energy Savings: without PV 11,300 kWh; with PV 17,000 kWh
- Savings in the First 30 Years: without PV \$91,100; with PV \$218,800

## CONTACT

**Rick Wertheim** 631-940-3722 rwertheim@unitedwayli.org



- Foundation: Insulated basement: 8" concrete walls. Elastomeric water proofing, 2" graphite EPS.
- Windows: Thin triple-pane, argon-filled, low-e2, vinyl, casement style, U=0.18, SHGC=0.22.
- Air Sealing: 1.7 ACH 50.
- Ventilation: ERV separately ducted, indoor air quality sensor. MERV 13 filters. Dehumidifier.
- HVAC: Ducted and ductless mini-split heat pumps, 9.6 HSPF, 15.5 SEER.
- Hot Water: Heat pump water heater, 3.7 UEF, 80-gal. central manifold and PEX piping.
- Lighting: 100% LED with motion sensors. Daylighting with interior windows.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, and clothes washer.
- **Solar:** 9.2 kW rooftop panels.
- Water Conservation: EPA WaterSense fixtures and toilets, drip irrigation, driveway.
- Energy Management System: Smart thermostat is Wi-Fi and voice controlled.
- **Other:** Accessibility features. All paint is low/no VOC, CARB compliant wood.



**Energy Efficiency &** Renewable Energy



For more information on the DOE Zero Energy Ready Home program, go to http://energy.gov/eere/buildings/zeroenergy-ready-home or scan the QR code.



**2020 WINNE** 

Housing novatior