United Way of Long Island
Community Housing Innovations | Coram, NY | UnitedWayLI.org

“IT costs LESS for non-profits to own a ZERH than a code-built, low-cost-per-square-foot home.” Rick Wertheim, United Way of Long Island

PROJECT DATA
- Layout: 5 bdrm, 2 baths, 2 fl, 2,588 ft²
- Climate: IECC 4A, mixed-humid
- Completed: April 2018
- Category: affordable

MODELED PERFORMANCE DATA
- HERS Index: without PV 38; with PV 8
- Annual Energy Costs: without PV $2,300; with PV $450
- Annual Energy Cost Savings: (vs typical new homes) without PV $750; with PV $2,650
- Annual Energy Savings: without PV 3,800 kWh; with PV 13,100 kWh
- Savings in the First 30 Years: $130,000

KEY FEATURES
- Walls: 2x6 24” o.c.; ½” CDX plywood sheathing; house wrap; furring strips; 2 layers ½” rigid polyiso with taped seams; vinyl siding.
- Roof: ½” CDX plywood decking; ice-and-water shield at valleys, drip line, and roof edges; 30# felt; architectural fiberglass shingles.
- Attic: Vented attic; 14” R-31 loose-fill cellulose; elastomeric liquid-applied air sealing.
- Foundation: Slab on grade; 2.5” R-10 rigid polyiso on inside of 3’ stem wall and below slab.
- Windows: Double-pane, low-e, argon-filled; U=0.17, SHGC=0.20.
- Air Sealing: 2.5 ACH 50.
- Ventilation: ERV; MERV 13 filter.
- HVAC: Hydrocoil split-air system attached to 95 AFUE wall-hung gas-fired boiler, 13 SEER AC.
- Hot Water: Wall-hung boiler to 40-gallon tank.
- Lighting: 100% LED; motion-controlled exterior lighting; occupancy and vacancy sensor in utility rooms and bedrooms.
- Appliances: ENERGY STAR-rated refrigerator, dishwasher, and clothes washer.
- Water Conservation: WaterSense toilets and fixtures.
- Energy Management System: Wi-Fi enabled smart thermostat, tracks energy usage, IAQ, leak detection.
- Other: Low-VOC paints and finishes; no-formaldehyde window treatments and furnishings. No carpet. Low-level carbon monoxide detector, smart indoor air monitoring device.

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

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RICK WERTHEIM: UNITED WAY OF LONG ISLAND

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