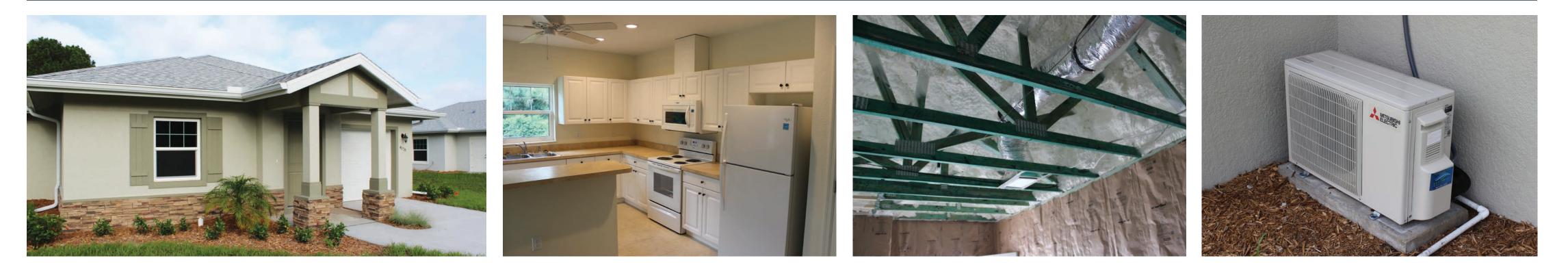


Habitat for Humanity, South Sarasota County

Mermell Innovation Homes | North Port, FL | HabitatSouthSarasota.org



"Providing our first-time home buyers a truly once-in-a-lifetime experience!" Michael Sollitto, Habitat for Humanity South Sarasota County



PROJECT DATA

- Layout: 3 bdrm, 2 bath, 1 fl, 1,437 ft²
- Climate: IECC 2A, hot-humid
- Completed: May 2017
- Category: affordable

KEY FEATURES

- Walls: Concrete block wall, ³/₄" EPS foam board on interior, ³/₄" furring strips, perforated foil insulation, ¹/₂" gypsum board, stucco cladding.
- **Roof:** 5%" sheathing; self-adhering underlayment; ENERGY STAR reflective asphalt shingles. Borate-treated 2x8" soffit and roof trusses.
- Attic: Unvented; insulated under roof deck with 5.5" R-20 water-based spray foam.

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 47; with PV NA
- Annual Energy Costs: without PV \$800; with PV \$NA
- Annual Energy Cost Savings: (vs typical new homes) without PV \$700; with PV \$NA
- **Annual Energy Savings:** without PV 6,000 kWh; with PV NA
- Savings in the First 30 Years: \$30,400

CONTACT

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Energy Efficiency & Renewable Energy



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.



2018 WIN

- Foundation: Slab on grade; uninsulated; framing treated for termites.
- Windows: Double-pane, single-hung, low-e, argon-filled, thermally insulated, vinyl frames; U=0.32, SHGC=0.19.
- Air Sealing: 3.15 ACH 50
- Ventilation: Controlled central fan with fresh air intake and timered exhaust.
- HVAC: Ducted mini-split heat pump, 1.5 ton, 15.5 SEER.
- Hot Water: Hybrid 50-gallon hot water heater, 2.35 EF.
- Lighting: 100% LED, ENERGY STAR ceiling fans.
- **Appliances:** ENERGY STAR refrigerator and dishwasher.
- Solar: None.
- Water Conservation: Meets Florida Water Star guidelines, low-flow toilets, shower heads, and faucets; drought-resistant landscape, no irrigation.
- Energy Management System: Standard thermostat.
- **Other:** No-VOC paint. CARB ATCM emission standard-compliant countertops. Florida Friendly Landscaping compliant. Wind-resistant design. Stucco treated for termites.