Insight Homes
Whatley | Millsboro, DE | ItsJustaBetterHouse.com

“THIS IS a better home.” Home owner

PROJECT DATA

• Layout: 5 bdrm, 3 bath, 2 fl, 3,320 ft²
• Climate: IECC 4A, mixed-humid
• Completed: February 2018
• Category: production

MODELED PERFORMANCE DATA

• HERS Index: without PV 52; with PV NA
• Annual Energy Costs: without PV $2,700; with PV $NA
• Annual Energy Cost Savings: (vs typical new homes) without PV $3,250; with PV $NA
• Annual Energy Savings: without PV 50 MMBtu; with PV NA
• Savings in the First 30 Years: $158,600

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KEY FEATURES

• Walls: 2x6 24” o.c., advanced framed, R-23 netted fiberglass, ¾” coated taped sheathing, vinyl siding.
• Roof: ¾” OSB sheathing, 15-lb felt, ice-and-water shield in valleys, architectural shingles or standing seam metal roofing; 15” overhangs.
• Attic: Vented attic with 18” raised heels; 16.25” R-49 blown fiberglass. Foam sealing of all top plates and penetrations.
• Foundation: Unvented, conditioned crawlspace, 10-mil poly vapor barrier; 2” R-10 XPS on interior of walls; R-19 open-cell spray foam in band joist.
• Windows: Double-pane, low-e, argon-filled, vinyl frames, U=0.28, SHGC=0.19.
• Air Sealing: 1.9 ACH 50.
• Ventilation: Exhaust-only, programmed to meet ASHRAE 62.2, MERV 13 filters.
• HVAC: Dual-fuel heat pump, 18 SEER, 9.6 HSPF; 97.7% AFUE propane furnace, extended cooling cycle; insulated flex ducts.
• Hot Water: Propane tankless water heater, .82 EF; manifold plumbing.
• Lighting: 100% LED.
• Appliances: ENERGY STAR refrigerator.
• Solar: None.
• Water Conservation: WaterSense fixtures.
• Energy Management System: Wi-Fi enabled, programmable thermostat.
• Other: Low-VOC products, National Green Building Standard gold level certified; central vacuum; termite treatment.

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.