



Insight Homes

The Morgan | Millsboro, DE | ItsJustaBetterHouse.com



Photos courtesy of Insight Homes

“My 4 year old used to get sick all the time, and now... no more trips to the hospital!!!” *Insight home owner*



PROJECT DATA

- **Layout:** 3 bdrm, 3.5 bath, 2 fls, 2,821 ft²
- **Climate:** IECC 4A, mixed-humid
- **Completed:** April 2019
- **Category:** production

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 53
- **Annual Energy Costs:** without PV \$2,450
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$2,450
- **Annual Energy Savings:** without PV 20 MMBtu
- **Savings in the First 30 Years:** \$117,800

CONTACT

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KEY FEATURES

- **Walls:** 2x6 24" o.c., panelized wall system, advanced framing, R-23 total: insulated headers, 2 and 3-stud corners, in cavity - R-23 netted and blown fiberglass; on exterior - 7/16" coated OSB sheathing, vinyl siding, shaker panels; no plumbing or HVAC in exterior walls.
- **Roof:** Gable roof; 7/16" OSB sheathing, 15-lb roofing paper, ice-and-water shield flashing in valleys, ENERGY STAR Cool Roof certified shingles and metal roofing.
- **Attic:** Vented attic, 16.25" R-49 blown fiberglass, R-38 fiberglass batts, 18" raised heel trusses.
- **Foundation:** Unvented crawlspace, poured concrete walls, liquid-applied water proofing, 4" clean gravel floor, 10-mil vapor barrier, 2" R-10 XPS foam on interior of walls, R-19 open-cell spray foam in band joists.
- **Windows:** Double-pane, argon-filled, low-e, vinyl double-hung frames, U=0.28, SHGC=0.19.
- **Air Sealing:** 2.7 ACH 50.
- **Ventilation:** Exhaust only, MERV 13 filters.
- **HVAC:** Propane furnace, 97.7% AFUE; air-source heat pump, 18 SEER, 9.6 HSPF.
- **Hot Water:** Gas tankless, .82 EF; central manifold with PEX piping.
- **Lighting:** 100% LED.
- **Appliances:** ENERGY STAR refrigerator and microwave.
- **Solar:** Solar ready.
- **Water Conservation:** WaterSense-labeled fixtures and toilets.
- **Energy Management System:** Wi-Fi-enabled thermostats.
- **Other:** Low-VOC products, National Green Build Standard gold-level certified.

