



Tim O'Brien Homes

Foxtail Court | New Berlin, WI | TOBHomes.com



Photos courtesy of Tim O'Brien Homes

"What is the biggest reward? Having customers talk positively about their new, safe, durable, energy-efficient home." *Craig North, Tim O'Brien Homes*



PROJECT DATA

- **Layout:** 3 bdrm, 2.5 bath, 1 fl + bsmt, 4,730 ft²
- **Climate:** IECC 6A, cold
- **Completed:** June 2018
- **Category:** custom spec

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 46; with PV 23
- **Annual Energy Costs:** without PV \$2,900; with PV \$950
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$350; with PV \$1,300
- **Annual Energy Savings:** without PV 5,500 kWh, 1,200 therms; with PV 14,300 kWh, 1,200 therms
- **Savings in the First 30 Years:** \$63,800

CONTACT

Craig North
262-542-5750
cnorth@tobhomes.com

KEY FEATURES

- **Walls:** 2x4 16" o.c., advanced framed; R-15 blown fiberglass cavity insulation; 7/16" OSB sheathing; R-5 graphite EPS; corrugated house wrap; rain screen behind stone veneer; fiber cement siding.
- **Roof:** Asphalt shingles; ice-and-water shield; ridge venting.
- **Attic:** Vented attic; raised-heel trusses; R-50 blown fiberglass; spray-foam air sealing.
- **Foundation:** Basement with 1" R-5 XPS on exterior + 1" R-6.3 polyiso on interior.
- **Windows:** Double-pane, single-hung, low-e, argon-filled, vinyl frames; U=0.27, SHGC=0.22.
- **Air Sealing:** 1.19 ACH 50.
- **Ventilation:** HRV, bath fans, range hood, MERV 11 filter on air cleaner, radon ventilation.
- **HVAC:** 96% AFUE forced air gas furnace; 13 SEER air conditioner; integrated thermostat; mastic-sealed ducts.
- **Hot Water:** 50-gallon gas water heater, 0.68 EF.
- **Lighting:** 100% LED, 3 ENERGY STAR ceiling fans.
- **Appliances:** ENERGY STAR clothes washer, clothes dryer, dishwasher, and refrigerator.
- **Solar:** 8.4-kW PV system.
- **Water Conservation:** Smart recirculation pump, EPA WaterSense-rated faucets.
- **Energy Management System:** Internet-connected live monitoring of energy usage and PV production.
- **Other:** Active radon ventilation. No-VOC paint, Green Label Plus carpet, pad, and adhesive; Greengard Laminate floor.

