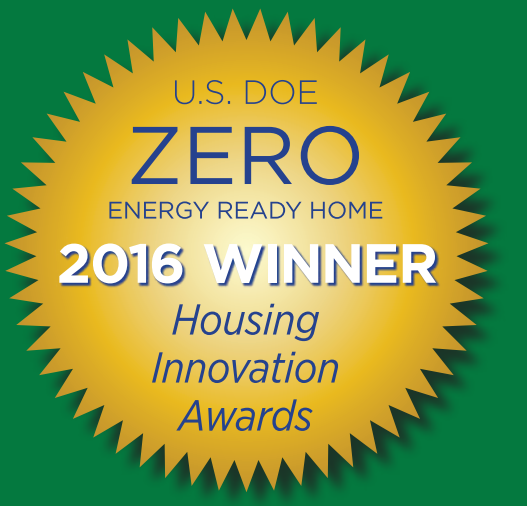




Thrive Home Builders

Hyland Village | Denver, CO | ThriveHomeBuilders.com



Photos courtesy of Thrive Home Builders

"The energy usage is lower in the new house in contrast to my apartment. That's pretty amazing." Home owners



PROJECT DATA

- **Layout:** 4 bdrm, 3.5 bath, 2 fl + bsmt, 3,322 ft²
- **Climate:** IECC 5B, cold
- **Completed:** June 2015
- **Category:** production

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 39, with PV 28
- **Projected Annual Energy Costs:** without PV \$1,312, with PV \$903
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV \$1,404, with PV \$1,644
- **Annual Energy Savings:** without PV 7,271 kWh, 416 therms, with PV 10,869 kWh, 416 therms

CONTACT

Bill Rectanus
brectanus@thrivehomebuilders.com
303-707-4400

KEY FEATURES

- **Walls:** Double walls, 2x4 24" oc staggered with space for 9.5" R-40 blown fiberglass. Sprayer-applied sealant, .5" OSB sheathing, house wrap, fiber cement and synthetic stone siding.
- **Roof:** Ice-and-water shield, waterproof underlayment, drip edge, asphalt shingles.
- **Attic:** Vented attic, R-50 blown fiberglass, 14" raised heel trusses, sprayer-applied sealant at all top plates.
- **Foundation:** Basements with R-19 perforated vinyl-faced drape insulation on interior of walls.
- **Windows:** ENERGY STAR double-pane, argon-filled, vinyl-framed, U=0.22, SHGC=0.25.
- **Air Sealing:** 2.62 ACH 50.
- **Ventilation:** Continuous exhaust fan.
- **HVAC:** Heat pump 16 SEER, 9.5 HSPF; gas furnace 97.4 AFUE.
- **Hot Water:** Tankless gas water heater .97 EF.
- **Lighting:** 100% CFL.
- **Appliances:** ENERGY STAR refrigerator, dishwasher.
- **Solar:** 3.64-kW solar PV.
- **Water Conservation:** WaterSense fixtures, drip irrigation.
- **Energy Management System:** Internet monitoring.
- **Other:** EPA Indoor airPLUS, low-VOC paints, low-formaldehyde wood products, fresh air intake, passive radon mitigation, fire sprinkler system.

