



Thrive Home Builders

Row Homes at RidgeGate | Denver, CO | ThriveHomeBuilders.com



Photos courtesy of Thrive Home Builders

“This community offers the ability for buyers to purchase a home that can be taken to zero energy now or in the future.”
Bill Rectanus, Vice President of Homebuilding Operations, Thrive Home Builders



PROJECT DATA

- **Layout:** 2 bdrm, 2 bath, 3 fl, 1,815 ft²
- **Climate:** IECC 5B, cold
- **Completed:** June 2016
- **Category:** multi-family

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 50, with PV 30
- **Projected Annual Energy Costs:** without PV \$1,033, with PV \$552
- **Projected Annual Energy Cost Savings:** (vs home built to 2009 IECC) without PV \$720, with PV \$1,202
- **Annual Energy Savings:** without PV 2,669 kWh, 413 therms; with PV 6,690 kWh, 413 therms

CONTACT

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KEY FEATURES

- **Walls:** Double walls, 2x4 24" o.c. 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 at roof edge, 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:** Slab-on-grade, R-10 rigid foam under slab and at slab edge.
- **Windows:** ENERGY STAR double-pane, argon-filled, vinyl-framed windows, U=0.30, SHGC=0.30.
- **Air Sealing:** 4.35 ACH 50.
- **Ventilation:** Continuous exhaust fans.
- **HVAC:** 92.1 AFUE gas furnace, 13 SEER air conditioner, ducts in conditioned space.
- **Hot Water:** .95 EF tankless gas water heater.
- **Lighting:** 100% CFL.
- **Appliances:** ENERGY STAR appliances.
- **Solar:** 2.6 kW solar PV.
- **Water Conservation:** WaterSense fixtures, drought-tolerant plants, drip irrigation.
- **Energy Management System:** Internet monitoring.
- **Other:** EPA Indoor airPLUS, low-VOC paints, low-formaldehyde wood products, fresh air intake, passive radon mitigation.

