

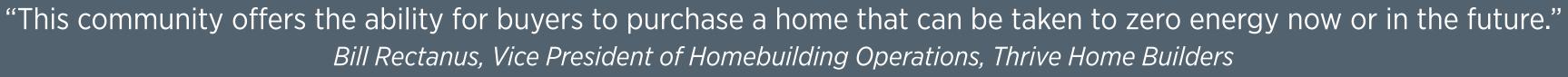
Thrive Home Builders

ZERO
ENERGY READY HOME

2016 VYINNER
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Row Homes at RidgeGate | Denver, CO | ThriveHomeBuilders.com













PROJECT DATA

• **Layout:** 2 bdrm, 2 bath, 3 fl, 1,815 ft²

Climate: IECC 5B, coldCompleted: 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

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KEY FEATURES

- **Walls:** Double walls, 2x4 24" o.c. staggered with space for 9.5" R-40 blown fiberglass; sprayerapplied 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.





