



Philgreen Construction

Revive Lotus Townhome | Fort Collins, CO | PhilgreenCo.com



Photos courtesy of Revive Properties

“First and foremost, this home is absolutely the nicest place I have ever lived.” *Home owner*



PROJECT DATA

- **Layout:** 2 bdrm, 4 bath, 3 fl, 1,434 ft²
- **Climate:** IECC 5B, cold
- **Completed:** December 2016
- **Category:** multifamily

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 42, with PV 9
- **Projected Annual Energy Costs:** without PV \$800, with PV \$250
- **Projected Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,100, with PV \$1,700
- **Annual Energy Savings:** without PV 11,000 kWh, with PV 17,200 kWh

KEY FEATURES

- **Walls:** R-21 blown fiberglass exterior walls; R-13 blown cellulose in party walls. 2x6 advanced framing, R-26 open-cell spray foam in box sill and rim joist.
- **Roof:** 7/16" OSB sheathing, ice-and-water shield, drip edge, asphalt shingles.
- **Attic:** R-50 open-cell spray foam on underside of roof deck.
- **Foundation:** R-10 EPS at slab edge, R-10 EPS under slab.
- **Windows:** Double-pane, vinyl-framed, low-e, argon-filled, U=0.29, SHGC=0.22.
- **Air Sealing:** 2.03 ACH 50.
- **Ventilation:** Exhaust fans 92 cfm.
- **HVAC:** Ground-source heat pump 3.6 COP, 18.1 EER.
- **Hot Water:** Air-source heat pump 50-gal water heater, 2.45 EF.
- **Lighting:** 100% LED.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer and dryer, 2 ENERGY STAR ceiling fans.
- **Solar:** 5.46-kW PV.
- **Water Conservation:** Dual-flush toilets, WaterSense hot water distribution design; drought-resistant plants.
- **Energy Management System:** Programmable thermostat; internet monitoring of PV production, HVAC, car charging station, hot water, and grid power use.
- **Other:** Prewired for an electric car charging station; low-VOC paints; stained concrete floors; daylighting.

