



Philgreen Construction

Revive Sustainable Multifamily Living | Fort Collins, CO | ReviveFC.com



Photos courtesy of Philgreen Construction

“The utilities in homes we lived in before ranged from \$150-300 a month...last month, our utility bills were \$11.” Home owner



PROJECT DATA

- **Layout:** 2 bdrm, 1.5 bath, 3 fl, 1,158 ft²
- **Climate:** IECC 5B, cold
- **Completed:** March 2016
- **Category:** multi-family

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 42, with PV 5
- **Projected Annual Energy Costs:** without PV \$824, with PV \$155
- **Projected Annual Energy Cost Savings:** (vs home built to 2012 IECC) without PV \$952, with PV \$1,586
- **Annual Energy Savings:** without PV 8,255 kWh, with PV 15,928 kWh

CONTACT

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KEY FEATURES

- **Walls:** R-23 blown fiberglass in exterior walls, R-13 blown cellulose in party walls, R-20 open-cell spray foam in rim joist.
- **Roof:** R-50 open-cell foam in vaulted ceilings, 7/16 OSB sheathing, ice-and-water shield, drip edge, asphalt shingles.
- **Attic:** None.
- **Foundation:** Slab-on-grade, 2" R-10 closed-cell spray foam under slab, R-10 EPS slab edge.
- **Windows:** Double-pane, vinyl-framed, low-e, argon-filled windows, U=0.28, SHGC =0.17.
- **Air Sealing:** 2.4 ACH 50.
- **Ventilation:** HRV.
- **HVAC:** Ground source heat pump, 3.8 COP, 18.7 EER.
- **Hot Water:** Air-source heat pump; backup electric 50-gal tank heater, 2.45 EF.
- **Lighting:** 95% LED, two ENERGY STAR ceiling fans.
- **Appliances:** ENERGY STAR refrigerator, dishwasher.
- **Solar:** 5.46-kW PV.
- **Water Conservation:** Dual-flush toilets, low-water landscaping. WaterSense faucets.
- **Energy Management System:** Programmable thermostat.
- **Other:** Wired for electric car charging station; low-VOC paint; day-lit closets, bath and garage.

