Revive Properties and Philgreen Construction
The Lupine Model | Fort Collins, CO | PhilgreenCo.com; ReviveFC.com

**MODELED PERFORMANCE DATA**
- **HERS Index:** without PV 49; with PV -1
- **Annual Energy Costs:** without PV $1,050; with PV $50
- **Annual Energy Cost Savings:** (vs typical new homes) without PV $1,500; with PV $2,550
- **Annual Energy Savings:** without PV 9,200 kWh; with PV 19,500 kWh
- **Savings in the First 30 Years:** $107,600

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**PROJECT DATA**
- **Layout:** 2 bdrm, 2.5 bath, 3 fls, 1,576 ft²
- **Climate:** IECC 5B, cold
- **Completed:** February 2019
- **Category:** multifamily

**KEY FEATURES**
- **Walls:** 2x4 staggered studs on 2x6 plate, advanced framing; R-23 total: ½” drywall, R-23 blown fiberglass, ¾” coated OSB sheathing, cement board siding.
- **Roof:** Shed roof, ½” drywall, 14” I-joist, ¾” OSB, ice-and-water guard, asphalt shingles.
- **Attic:** Unvented vaulted ceilings, 14” R-50 open-cell spray foam in I-joist cavity.
- **Foundation:** Slab on grade with frost wall and footing, R-10 insulation under slab.
- **Windows:** Double-pane, argon-filled, low-e, vinyl casement frames, U=0.28, SHGC=0.18.
- **Air Sealing:** 1.66 ACH 50.
- **Ventilation:** ERV with programmed timer, 85 cfm continuous ventilation, MERV 10 filter on HVAC.
- **HVAC:** Combined heat and hot water; ground-source heat pump, 4.18 COP; rigid metal ducts in conditioned space.
- **Hot Water:** Ground-source heat pump with desuperheater, 2.16 COP, 40-gal.; electric tank backup; hydronic gravity loop distribution.
- **Lighting:** 100% LED, daylighting.
- **Appliances:** ENERGY STAR dishwasher.
- **Solar:** 7.04-kW PV system.
- **Water Conservation:** EPA WaterSense fixtures and toilets, porous pavers, bioretention pond for water runoff.
- **Energy Management System:** Smart thermostat.
- **Other:** Low-to-no-VOC products, passive radon system, ready for electric car charging station.

“We enjoy every minute of living in this house.” Revive home owner

For more information on the DOE Zero Energy Ready Home program, go to http://energy.gov/eere/buildings/zero-energy-ready-home or scan the QR code.