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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“Revive home owner”

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.

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.