PROJECT DATA

• Layout: 2 bdrm, 2 bath, 1 fl, 1,559 ft²
• Climate: IECC 5B, cold
• Completed: May 2015
• Category: custom for buyer

MODELED PERFORMANCE DATA

• HERS Index: without PV 45, with PV -13
• Projected Annual Energy Costs: without PV $1,252, with PV -$101
• Projected Annual Energy Cost Savings: (vs home built to 2006 IECC) without PV $1,219, with PV $2,572
• Annual Energy Savings: without PV 11,080 kWh, with PV 23,380 kWh

KEY FEATURES

• Walls: R-42 double-wall with 2x6 24” o.c. outer wall, 2x4 24” o.c. inner wall for 9” cavity with 3” closed-cell spray foam plus 6” blown fiberglass; coated OSB sheathing with seams taped, ⅜” woven plastic rain screen, fiber cement lap siding.
• Roof: 6’ ice-and-water shield at eaves, synthetic vapor-permeable underlayment, standing seam metal roofing.
• Attic: R-70 22” blown fiberglass in vented attic; 7” R-46 closed-cell spray foam + R-22 batt in vaulted ceilings total R-68.
• Foundation: Conditioned crawlspace with R-22 ICF walls, R-20 4” rigid foam under garage slab.
• Windows: Vinyl-framed, triple-pane, low-e, air-filled, U=0.20, SHGC=0.26.
• Air Sealing: 1.59 ACH 50.
• Ventilation: ERV.
• HVAC: Ductless mini-split heat pumps, 12 HSPF, 26 SEER.
• Hot Water: 58-gal heat pump water heater, 3.00 EF.
• Lighting: 100% LED, ENERGY STAR ceiling fan.
• Appliances: ENERGY STAR refrigerator, clothes dryer.
• Solar: 6.8-kW PV.
• Water Conservation: All faucets EPA WaterSense certified.
• Energy Management System: None.
• Other: Low-VOC, electric car charging station, EPA Indoor airPLUS qualified home.

CONTACT

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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.