Garbett Construction
Aurora Heights | West Jordan, UT | GarbettHomes.com

“Building a sustainable future for our customers, employees, and the environment—The DOE ZERH program helps us do that.” Builder

PROJECT DATA

• Layout: 5 bdrm, 3 bath, 1 fl + bsmt, 3,180 ft²
• Climate: IECC 5B, cold
• Completed: March 2021
• Category: Production

MODELED PERFORMANCE DATA

• HERS Index: without PV 44
• Annual Energy Costs: without PV $950
• Annual Energy Cost Savings: (vs typical new homes) without PV $350
• Annual Energy Savings: without PV $900 kWh, 350 Therms
• Savings in the First 30 Years: without PV $16,600

CONTACT

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KEY FEATURES

• Walls: 2x6 24” o.c., panelized, R-23 total: advance framed, 5.5” blown fiberglass in cavity, ½” OSB, house wrap, 20-gauge stucco netting, ½” cement base coat stucco.
• Roof: Truss gabled roof: ½” OSB sheathing, 1 or 2 layers #15 felt, asphalt shingles.
• Attic: 16” vented, R-60 blown-in fiberglass, 12” raised heel energy trusses.
• Foundation: Insulated basement: 8” poured concrete, waterproof membrane on exterior, interior framed wall has R-21 blown fiberglass, R-19 batts in rim joists.
• Windows: Double-pane, low-e, vinyl frame; U=0.28, SHGC=0.30-0.35.
• Air Sealing: 1.60 ACH50, aerosol sealant; drywall gaskets; spray foamed rim joists and top plates.
• Ventilation: ERV, MERV 8 filter at the air handler, 1.2 CFM/Watt, 67 SRE, 79 ASRE, 50 ATRE.
• HVAC: Gas furnace, 97 AFUE, 13 SEER AC unit, ECM blower, rigid metal, ducts in conditioned space.
• Hot Water: Gas tankless, 0.97 UEF.
• Lighting: 100% LED.
• Appliances: ENERGY STAR refrigerator, dishwasher, clothes washer.
• Solar: Solar ready.
• Water Conservation: Low-flow fixtures, recirc pump, drip irrigation.
• Energy Management System: Programmable thermostat.
• Other: EV charging, low/no-VOC wood products, paints, finishes, carpet pad and glue.

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.