Gardner Custom Homes
Mingus West | Prescott Valley, AZ

“My customers smile when they tell me how low their utility bills are.” Gardner Custom Homes

PROJECT DATA
- Layout: 3 bdrm, 2.5 bath, 1 fl, 2,404 ft²
- Climate: IECC 4B, mixed-dry
- Completed: March 2019
- Category: custom spec

MODELED PERFORMANCE DATA
- HERS Index: without PV 49
- Annual Energy Costs: without PV $1,400
- Annual Energy Cost Savings: (vs typical new homes) without PV $750
- Annual Energy Savings: without PV 4,500 kWh, 400 Therm
- Savings in the First 30 Years: $36,900

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KEY FEATURES
- Walls: 2x6 24” o.c. advanced framing, R-23 total: 3-stud corners, LVL insulated and open headers; ½” drywall, 5.5” studs at 24” o.c.; in cavity - 5” spray foam; on exterior - ½” OSB sheathing, stucco wrap, 1” EPS rigid foam, 1-coat stucco.
- Roof: Gable roof; ½” OSB sheathing, architectural shingles.
- Attic: Unvented attic; 7” R-26 closed-cell spray foam on underside of roof.
- Foundation: Post-tensioned slab on grade, 2” R-10 slab-edge rigid foam.
- Windows: Double-pane, argon-filled, vinyl single-hung frames, U=0.30, SHGC=0.31.
- Air Sealing: 1.07 ACH 50.
- Ventilation: ERV, continuous; bathroom exhaust fans, MERV 7 & 8 filters.
- HVAC: 96% AFUE propane 2-stage furnace with ECM motor; 16 SEER AC.
- Hot Water: Propane tankless, .95 EF; insulated PEX piping, smart recirculation pump.
- Lighting: 95% LED, 5% CFL; daylighting.
- Appliances: ENERGY STAR appliances.
- Water Conservation: WaterSense-labeled toilets, low-flow fixtures, moisture sensing irrigation.
- Energy Management System: Smart thermostat.
- Other: Electric vehicle charging station, all low-to-no-VOC products.

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.