

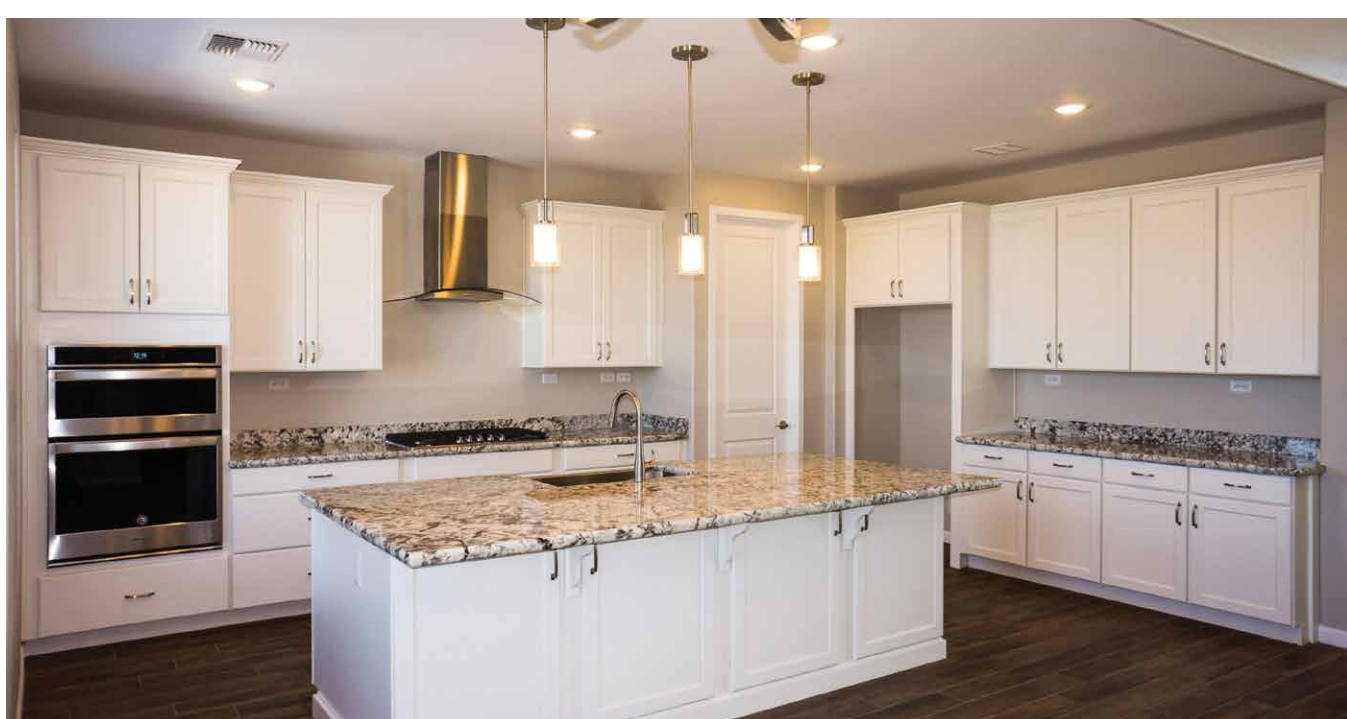


# Gardner Custom Homes

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 ft<sup>2</sup>
- **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 Therms
- **Savings in the First 30 Years:** \$36,900

## 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 - 1½" OSB sheathing, stucco wrap, 1" EPS rigid foam, 1-coat stucco.
- **Roof:** Gable roof; ⅝" 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.
- **Solar:** Solar ready.
- **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.

## CONTACT

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