MANDALAY HOMES
Foothills at the Dells | Prescott, AZ | MandalayHomes.com

• Layout: 2 bdrm, 2 bath, 1 fl, 1,648 ft²
• Climate: IECC 4B, mixed-dry
• Completed: May 2019
• Category: production

MODELED PERFORMANCE DATA
• HERS Index: without PV 55; with PV 37
• Annual Energy Costs: without PV $1,170; with PV $500
• Annual Energy Cost Savings: (vs typical new homes) without PV $550; with PV $1,250
• Annual Energy Savings: without PV 4,100 kWh; with PV 10,400 kWh
• Savings in the First 30 Years: $52,900

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THE HOME IS EVERYTHING THE BUYER WANTS OR NEEDS AND MORE.
Mandalay Homes

KEY FEATURES
• Walls: 2x6 24" o.c. advanced framing, R-19 total: open-cell spray foam in stud bays, 1" EPS foam, taped house wrap; stucco.
• Roof: Shed roof, architectural shingles or tiles; no penetrations or vents.
• Attic: Unvented vaulted ceilings, 7.5" R-25 spray foam.
• Foundation: Post-tensioned slab on grade, poured concrete; 1.5" 3-lb closed-cell spray foam on slab edge.
• Windows: Double-pane, argon-filled, low-e2, vinyl sliding frames, U=0.28, SHGC=0.22.
• Air Sealing: 0.7 ACH 50, AeroBarrier sealing system.
• Ventilation: ERV, continuous ventilation, MERV 13 filters; bath fans with humidity sensors and timers; MERV 6 filters on ERV.
• HVAC: Central air-source heat pump variable ECM controlled motor, 9.6 HSPF, 17 SEER.
• Hot Water: Heat pump water heater, 3.42 EF, 50-gal.; PEX piping, smart recirculation pump.
• Lighting: 100% LED, motion sensors.
• Appliances: ENERGY STAR dishwasher, exhaust fans, ERV, lighting, and water heater.
• Solar: 1.89-kW PV system, 10-kWh battery.
• Water Conservation: WaterSense-labeled fixtures and toilets, smart irrigation, passive collection and distribution of rainwater.
• Energy Management System: Smart climate controls, integrated ventilation controls. Energy control software/hardware uses PV not grid power during evening peak.
• Other: All low-to-no-VOC products, recycled content materials.

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.