



# K. Hovnanian Phoenix

Edgewood Estates | San Tan Valley, AZ | khov.com/find-new-homes/arizona?ref=phoenix



“As we gained a deeper understanding of the ZERH program and evaluated the net cost against the reduced ownership expenses for our customers, the decision became clear.” *K. Hovnanian Phoenix Division*



## PROJECT DATA

- **Layout:** 4 bdrm, 2.5 bath, 1 fl, 2,838 ft<sup>2</sup>
- **Climate:** IECC 2B, hot-dry
- **Completed:** May 2024
- **Category:** Production

### MODELED PERFORMANCE DATA

- **ERI:** without PV 39
- **Annual Energy Costs:** without PV \$1,700
- **Annual Energy Cost Savings:** (versus typical new homes) without PV \$2,050
- **Annual Energy Savings:** without PV 17,890 kWh
- **Savings in the First 30 Years:** without PV \$85,700

## KEY FEATURES

- **Walls:** Panelized 2x4 and 2x6 16" o.c. + 1" EPS, R-17 total: advanced framed, open-cell spray foam, 1" R-4.2 EPS or 7/16" OSB + 1/2" EPS sheathing, metal lath, stucco.
- **Roof:** Hip truss roof, 1/2" OSB, 40-lb roofing felt, 1x2" battens, galvanized valley flashing, bird stop, drip edge, concrete roof tiles.
- **Attic:** Unvented, vaulted ceiling, 6" R-22 open-cell spray foam on underside of roof deck.
- **Foundation:** Slab on grade poured concrete.
- **Windows:** Double-pane windows, U=0.33, SHGC=0.23. Fixed awnings.
- **Air Sealing:** 1.72 ACH50; foam gasket and sealant at sills; windows are tape flashed; window frame is sealed to EPS with caulk; expanding foam seals any gaps; all exterior electrical, mechanical, and plumbing penetrations sealed with polyethylene flashing panels and caulk.
- **Ventilation:** Exhaust-only with gravity damper fresh air intake in laundry room.
- **HVAC:** Central air-source heat pump, 7.5 HSPF, 15.2 SEER. Compact duct design. All ducts in conditioned space. Jump ducts for bedrooms.
- **Hot Water:** Heat pump water heater, 50-gal, 3.50 UEF. Core plumbing design.
- **Lighting and Appliances:** ENERGY STAR appliances.
- **Solar:** Solar ready.
- **Energy Management System:** Heat pump water heater has integrated Wi-Fi for to monitor energy usage.
- **Other:** Wired for an electrical vehicle charger.

## CONTACT

Joe Chesley  
480-824-4200  
jchesley@khov.com

