



Housing Authority of the City of San Buenaventura

Rancho Verde Apartments | Ventura, CA | HACityVentura.org



Photos courtesy of Housing Authority of the City of San Buenaventura

“Aggregating all the metrics of the built environment...to leverage the greatest returns.” *Green Dinosaur*



PROJECT DATA

- **Layout:** 2 bdrm, 1 bath, 1 fl, 1,107 ft²
- **Climate:** IECC 3C, marine
- **Completed:** August 2019
- **Category:** Affordable Multifamily

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 56; with PV 0
- **Annual Energy Costs:** without PV \$700; with PV \$0
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$100; with PV \$800
- **Annual Energy Savings:** without PV 5,000 kWh, with PV 8,200 kWh
- **Savings in the First 30 Years:** without PV \$4,600; with PV \$32,900

CONTACT

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 Rater: Green Dinosaur
 GC: Ashwood Construction

KEY FEATURES

- **Walls:** Panelized walls, R-21 total: 2x6, 24" o.c., R-21 cavity insulation, structural sheathing, 2-ply draining house wrap, 3/8 cement plaster or fiber cement lap siding.
- **Roof:** Truss roof, radiant barrier adhered to sheathing, 30# roof felt, composite roof shingles, ENERGY STAR Cool Roof certified.
- **Attic:** Vented Attic: 15" R-38 blown-in fiberglass.
- **Foundation:** Slab on grade: soil gas collection mat, 4" sand, radon vent pipe to roof.
- **Windows:** Double-pane, argon-filled, low-e2, vinyl double-hung frames, U=0.29, SHGC=0.15.
- **Air Sealing:** 3 ACH 50. Drywall caulked at top and bottom plates.
- **Ventilation:** Exhaust fans, continuous, MERV 6 filters on mini-splits.
- **HVAC:** Mini-split heat pump, 9.5 HSPF, 19 SEER, 9.2 EER, 2 air handlers, 1 compressor.
- **Hot Water:** Heat pump water heater, 3.48 UEF, 80-gal. Recirculation loop w/smart pump.
- **Lighting:** 100% LED, vacancy sensors.
- **Appliances:** ENERGY STAR refrigerators, range hoods, dishwashers, and clothes washers.
- **Solar:** 2.5-kW per unit, battery storage.
- **Water Conservation:** EPA WaterSense fixtures and toilets. Drought-resistant landscaping. Water recycling for irrigation system.
- **Energy Management System:** Energy use monitoring.
- **Other:** Accessibility features. Electric vehicle charging station. Low/no VOC/Formaldehyde paint, adhesives, sealants. Recycled insulation.

