



Photos courtesy of K. Hovnanian Homes

"We don't see high bills for utilities. We are in the \$100 range for gas and electricity." Homeowner



## PROJECT DATA

- **Layout:** 2 bdrm, 3 bath, 2 fl, 2,220 ft<sup>2</sup>
- **Climate:** IECC 4A, mixed-humid
- **Completed:** August 2021
- **Category:** Attached

### MODELED PERFORMANCE DATA

- **HERS Index:** without PV 45
- **Annual Energy Costs:** without PV \$1,400
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$850
- **Annual Energy Savings:** without PV 2850 kWh, 430 therms
- **Savings in the First 30 Years:** without PV \$42,200

## KEY FEATURES

- **Walls:** 2x6, 16" o.c., R-19 total: 5.5" R-19 fiberglass batt; 7/16" OSB sheathing, house wrap; vinyl and stone veneer. Advanced framing: 2-ft stud spacing, 3-stud corners, insulated headers, ladder blocking at interior wall intersections.
- **Roof:** Truss gable roof, 7/16" OSB, synthetic felt, asphalt shingles.
- **Attic:** Vented attic, 17" R-49 blown fiberglass; 10" raised heel trusses.
- **Foundation:** Conditioned basement: 2x4 24" o.c. studs, R-13 fiberglass batt, 1" rigid EPS. Insulation; dimpled plastic drain mat.
- **Windows:** Double-pane, low-e, argon-filled, vinyl-framed, single-hung windows; U=0.30, SHGC=0.28.
- **Air Sealing:** 2.82 ACH50. All joints, seams, and penetrations sealed.
- **Ventilation:** Central fan-integrated supply ventilation, MERV 8 filter.
- **HVAC:** Gas furnace, 2-stage, 96.1 AFUE. A/C 14.5 SEER; compact duct design.
- **Hot Water:** Tankless propane water heater, 0.97 EF.
- **Lighting:** 100% LED.
- **Appliances:** ENERGY STAR clothes washer and dishwasher.
- **Solar:** None.
- **Water Conservation:** EPA WaterSense fixtures. Moisture-sensing irrigation.
- **Energy Management System:** Programmable thermostat.
- **Other:** Low-VOC paints and finishes; recycled content flooring. EV charger.

## CONTACT

Sean Neumann or Kasia Zielinski  
732-623-6733 or 732-623-6891  
sneumann@khov.com or  
kzielinski@khov.com

