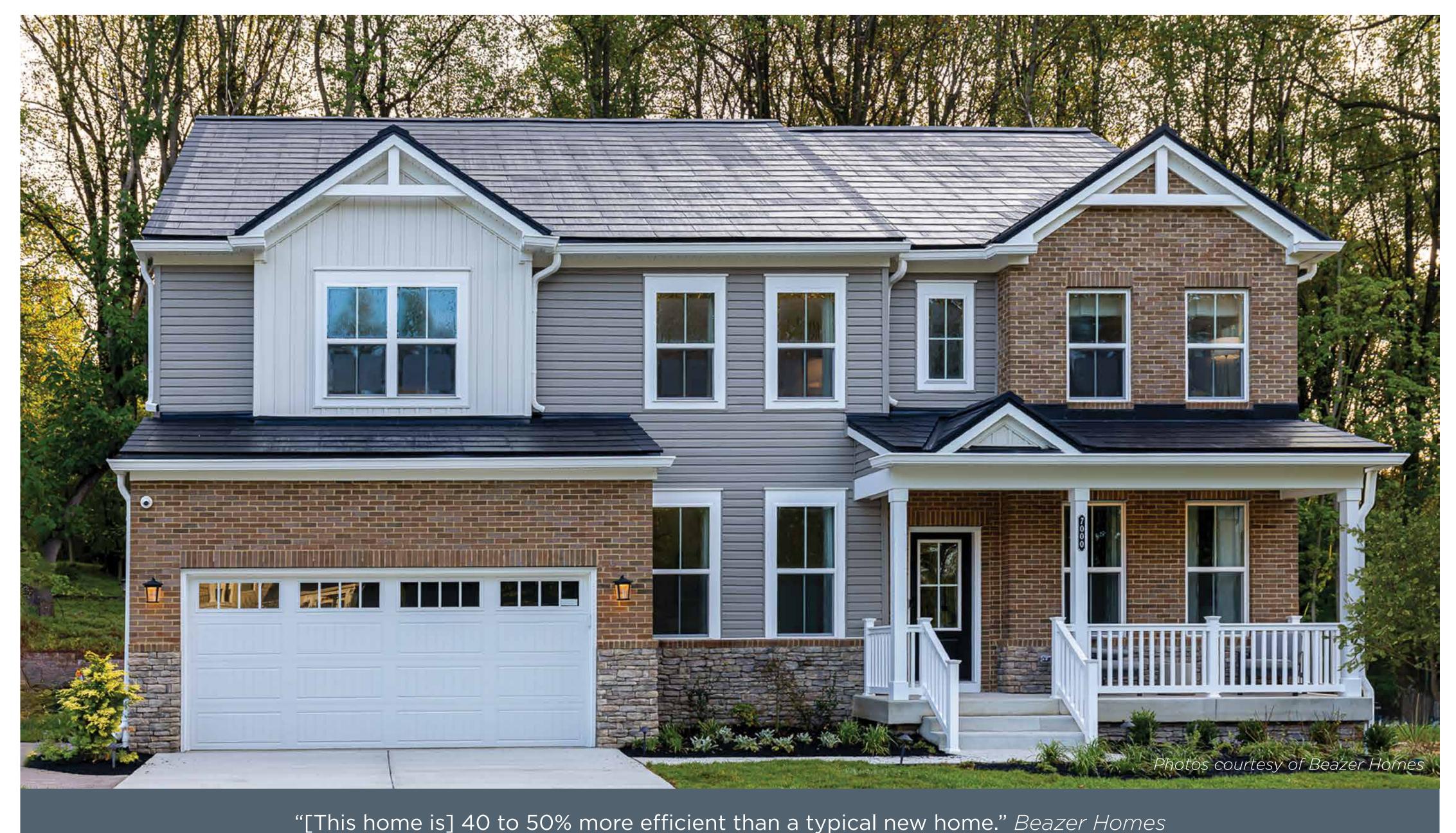
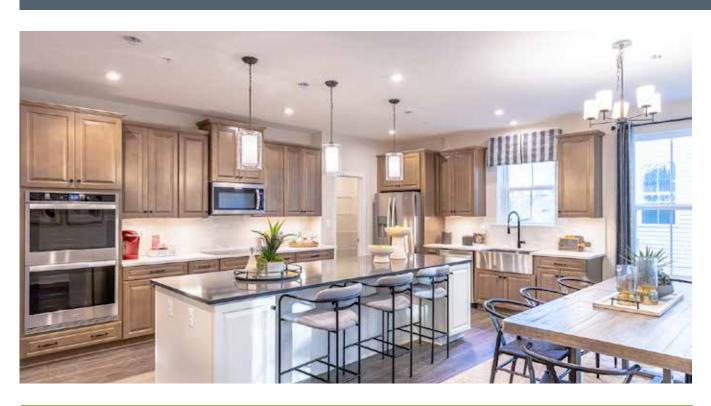


Beazer Homes

Hampton Hills | Ellicott City, MD | Beazer.com













PROJECT DATA

- **Layout:** 6 bdrm, 5 bath, 2 fl + bsmt, 5,047 ft²
- Climate: IECC 4A, mixed-humid
- Completed: August 2023
- Category: Production

MODELED PERFORMANCE DATA

- **ERI:** without PV 36; with PV 4
- **Annual Energy Costs:** without PV \$2,300; with PV \$400
- Annual Energy Cost Savings: (versus typical new homes) without PV \$3,500; with PV \$5,450
- Annual Energy Savings: without PV 25,230 kWh; with PV 39,010 kWh
- Savings in the First 30 Years: without PV \$147,450; with PV \$228,000

CONTACT

Brian Shanks 770-392-2100 brian.shanks@beazer.com

KEY FEATURES

- Walls: $2x6\ 24''$ o.c., R-31 total: Advanced framed, R-12.5 loose fiberglass blown-in blanket, R-18.5 closed-cell spray foam, $\frac{7}{16}''$ OSB, house wrap, vinyl siding with masonry accents.
- **Roof:** Gable truss roof, 24" o.c., $\frac{7}{16}$ " OSB roof sheathing, synthetic roofing underlayment, integrated solar roof tiles.
- Attic: Vented, 20" R-60 blown-in fiberglass in 2nd floor attic. 16" raised-heel trusses.
- Foundation: Insulated basement, poured concrete walls, interior framed wall with R-19 faced fiberglass batts, $\frac{1}{2}$ " sheetrock.
- Windows: Double-pane windows, U=0.28, SHGC=0.25.
- Air Sealing: 1.09 ACH50; traditional air-sealing practices and aerosolized acrylic whole house air sealant.
- **Ventilation:** ERV, integrated with HVAC that monitors IAQ; ECM motors; MERV 8 filters.
- **HVAC:** Central air-source heat pump, 8.1 HSPF, 16.7 SEER; compact duct design, variable speed compressor and inverter system.
- **Hot Water:** Heat pump water heater, 80-gal, 3.45 COP. Central hot water distribution design with the water heater centrally located.
- Lighting and Appliances: ENERGY STAR appliances.
- Solar: 10.08 kW PV, 27 kWh of batteries.
- **Energy Management System:** Wi-Fi thermostat can control IAQ monitoring, HEPA filtration, UV purifier, and whole-house dehumidifier.
- Other: Electric vehicle charger.





