



Imery Group

Green Shortz Green House | Lilburn, GA | ImeryGroup.com



Photos courtesy of Imery Group

“Green building is about attention to detail.” *Home owner*



PROJECT DATA

KEY FEATURES

- **Layout:** 3 bdrm, 2.5 bath, 2 fl + bsmt, 2,389 ft²
- **Climate:** IECC 3A, mixed-humid
- **Completed:** June 2017
- **Category:** custom for buyer

MODELED PERFORMANCE DATA

- **HERS Index:** without PV 39; with PV NA
- **Annual Energy Costs:** without PV \$900; with PV \$NA
- **Annual Energy Cost Savings:** (vs typical new homes) without PV \$1,700; with PV \$NA
- **Annual Energy Savings:** without PV 20,300 kWh; with PV NA
- **Savings in the First 30 Years:** \$75,600

- **Walls:** 2x6 24" o.c., advanced framed; R-23 blown-in fiberglass; R-6 insulated coated taped sheathing; rain screen; fiber cement siding.
- **Roof:** 29-gauge reflective metal roof over furring strips, 15-lb felt; coated roof deck.
- **Attic:** Unvented attic, R-21 open-cell spray foam.
- **Foundation:** Split level with basement and slab on grade; R-5 rigid fiberglass on exterior; R-7 on interior and under slab.
- **Windows:** Double-pane, low-e+, argon-filled, vinyl frames; U=0.26, SHGC=0.19.
- **Air Sealing:** 1.6 ACH 50.
- **Ventilation:** ERV + in-line fan into attic.
- **HVAC:** 16.5 SEER, 9.5 HSPF mini-split heat pumps: 2 ducted air handlers and 2 ductless air handlers connected to one exterior compressor unit.
- **Hot Water:** Heat pump water heater, EF 3.39; manifold plumbing; insulated piping.
- **Lighting:** Interior 90% LED; exterior 100% LED.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer.
- **Solar:** Solar ready.
- **Water Conservation:** Followed EPA WaterSense recommendations.
- **Energy Management System:** Smart thermostat.
- **Other:** EPA Indoor AirPLUS, EarthCraft Sustainable Program.

CONTACT

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