For more information on the DOE Zero Energy Ready Home program, go to http://energy.gov/eere/buildings/zero-energy-ready-home or scan the QR code.

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PROJECT DATA
• Layout: 6 bdrm, 4 bath, 4 fls, 3,989 ft²
• Climate: IECC 4C, marine
• Completed: January 2021
• Category: Custom Spec

MODELED PERFORMANCE DATA
• HERS Index: without PV 49; with PV -2
• Annual Energy Costs: without PV $1,850; with PV $0
• Annual Energy Cost Savings: (vs typical new homes) without PV $1,900; with PV $3,500
• Annual Energy Savings: without PV 14,200 kWh; with PV 29,400 kWh
• Savings in the First 30 Years: without PV $76,400; with PV $142,900

KEY FEATURES
• Walls: Double wall, R-24.4 total: 10” cellulose, two 2x4 24” o.c. walls, fluid-applied weather-resistant barrier.
• Roof: Gable roof: 16” joists, plywood sheathing, 3” rigid polyiso, hard board, standing seam metal on pitched or TPO membrane on flat roofs.
• Attic: Unvented R-70 total: R-56 blown cellulose under roof deck + 3” R-24 polyiso above roof deck.
• Foundation: Daylight basement: Below-grade - 4” R-30 polyiso under slab and on walls. Above-grade - framed walls with 10” R-22 cellulose.
• Windows: Triple-pane, U=0.18, SHGC=0.23.
• Air Sealing: 1.1 ACH50, fluid-applied weather barrier, aerosol whole-house sealant.
• Ventilation: HRV continuous, 75 SRE.
• HVAC: Ducted mini-split heat pump with 5 inside heads, 10.3 HSPF, 19.7 SEER.
• Hot Water: Heat pump water heater, 3.45 EF, 80-gal.
• Lighting: 100% LED, natural lighting.
• Appliances: ENERGY STAR refrigerator, dishwasher, clothes washer and dryer, exhaust fan.
• Solar: 14.25 kW, rooftop panels.
• Water Conservation: EPA WaterSense faucets, showerheads.
• Energy Management System: Smart home ready.
• Other: Electric vehicle charging station, sustainably harvested floors, stairs, treads, siding. High-recycled content countertops, cabinets, tile.

“It’s a very consistent temperature all the time. Everything is just, sort of, comfortable.” Homeowner