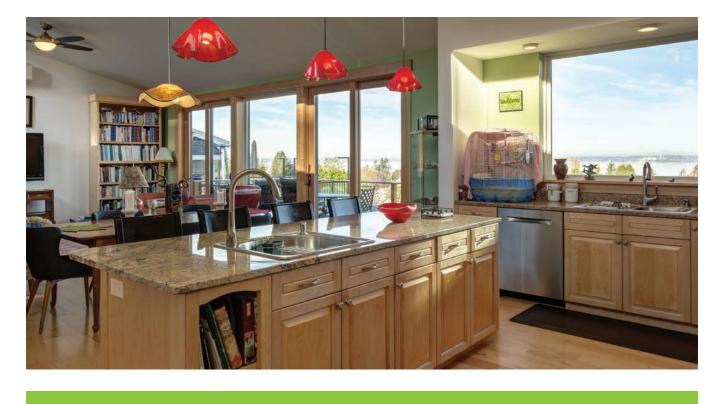


# Bellingham Bay Builders



Fairhaven High Performance | Bellingham, WA | BellinghamBayBuilders.com











### PROJECT DATA

• **Layout:** 3 bdrm, 2.5 bath, 2 fl, 2,828 ft<sup>2</sup>

• Climate: IECC 4C, marine

• Completed: September 2017

Category: custom for buyer

#### **MODELED PERFORMANCE DATA**

• **HERS Index:** without PV 37; with PV 2

- Annual Energy Costs: without PV \$950; with PV \$150
- Annual Energy Cost Savings: (vs typical new homes) without PV \$2,250; with PV \$3,100
- Annual Energy Savings: without PV 18,100 kWh; with PV 28,000 kWh
- **Savings in the First 30 Years:** \$135,700

# CONTACT

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## KEY FEATURES

- **Walls:** 2x6 conventional framing, 5" blown-in fiberglass, coated taped OSB, 3" rigid mineral wool insulation on exterior, 3/4" rain screen battens, fiber cement siding.
- **Roof:** Drywall, 1.5" spacers, taped OSB air barrier, 18" parallel chord trusses, two layers of R-30 fiberglass batts, 5%" roof sheathing, metal roofing.
- Attic: Vented vaulted ceilings with 2 layers of R-30 fiberglass batts (R-60 total).
- **Foundation:** Daylight basement 4'' R-16 EPS under slab; poly vapor barrier beneath slab and up below-grade walls; Interior walls  $2x4\ 24''$  o.c. with batt. Total wall = R-25.
- Windows: Double-pane, low-e, composite frames, avg. U=0.25, SHGC=0.30.
- Air Sealing: 1.0 ACH 50.
- Ventilation: HRV, 116 CFM, 42.0 watts.
- HVAC: Ductless mini-split, 3 indoor heads, 23.0 SEER, 12.5 HSPF.
- Hot Water: Heat pump water heater; intake air ducted from vented garage attic, exhaust air ducted outside.
- Lighting: 100% LED, ENERGY STAR ceiling fan.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer, clothes dryer, heat pump water heater, and HRV.
- Solar: 8.96-kW PV system.
- Water Conservation: Low-flow fixtures, greywater diversion valve installed for future.
- Energy Management System: None.
- Other: Electric car charging station, salvaged kitchen cabinets.





