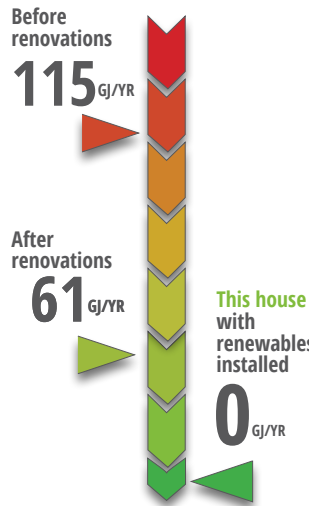


Renovator Bob Deeks, RDC Fine Homes

Service Organization CHBA-BC

Energy Advisor Tommy Byun, Capital Home Energy Inc.

Net Zero Pilot Home Birken, BC (Climate Zone 6)



NET ZERO RENOVATIONS PILOT HOME POST-RENOVATION DETAILS

BUILDING ENCLOSURE

Windows:

Euroline Triple Glazed,
USI 0.79-0.85, SHGC 0.15-0.16

Walls:

2x4 @ 16" o/c R14 Batt, 2" Neopor rigid foam

Ceiling:

R60 Blown-in,
2x4 @ 16" o/c R14 batt

Foundation:

8" concrete, R12 2lb spray foam

Envelope:

34% better than NRCan reference house

Airtightness (ACH @ 50 Pa):

Pre-reno 7.0 → Post-Reno 1.34

MECHANICALS

Fuel Source:

All-Electric

Heating & Cooling:

Electric Baseboard

Water Heating:

Electric Storage Tank

Ventilation

Lifebreath 205MAX HRV

RENEWABLE ENERGY

Modelled PV System:

10.3 kW PV

Energy Monitor:

Efergy E2C 002

Testimonial

"Our client was initially looking for better indoor air quality, thermal comfort and a reduction in his energy bills. He had done his research and understood the importance of airtightness and triple paned windows and made these part of his must-have list. While his goal was not to have a home that could produce as much energy as it used, his air quality and thermal comfort goals were enough to get us there. Just goes to show it is not all about energy."

(Estimated)
**\$2,000/YR
SAVED**
On energy bills!*

*Utility cost savings based on Energuide energy profile and uses the following utility rates pre/post renovation: Electricity: \$.0943/kWh for monthly consumption up to 1350 kWh and \$.1403/kWh for additional consumption. Assumptions on energy use per month were applied. No utility admin fees considered.