



Eco-Solar Home Tour 2024

Saturday 8 June Noon to 5 pm

Haysboro NZR Retrofit

Tour Day: Sat 8 June

Address:

Hosts: Homeowners

Parking: On street

Energuide Rating: N/A



Summary points why people need to see your home

- To see how you can convert an older house in an established neighbourhood into a modern high-performance home.

What will people see and learn about at your home?

- How it was constructed
- Reusing existing footprint/foundation
- Constructing an efficient building envelope
- How heat pumps work as the primary source of heat in Calgary

What are the main things people will see at your home?

- Ducted Air Source Heat Pump and Heat Pump Hot Water Heater
- High efficiency Tilt/Turn windows and door
- High Performance house that looks like a traditional house
- 12" thick exterior walls

Are there main items that they can't see?

- Detailed wall assembly
- Smart vapour barrier, air sealing and insulation
- Comfort benefits of a High Performance home





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Why is this home on the tour?

We have rebuilt our home in an established neighbourhood, from a typical Albertan 1950s bungalow to a modern efficient home. The aim of this rebuild was to produce an extremely efficient house while keeping to the general character of the neighbourhood. This is for people that love their community but want to modernise and increase the efficiency of their home, on a similar footprint. The rebuild used panelised rigid foam and steel walls (R40) to replace concrete in the foundations and to simplify main level construction, along with exterior insulation on retained 2x4 walls. Heat comes from a ccASHP and ASHP water heater with the aim of being Net Zero with Solar.



What features save on energy costs?

- SI Construction foundation and main level system (R40-R44)
- Addition of exterior insulation to both existing (finished) basement and retained main level walls
- R60-R80 Roof assembly
- Air Sealing details
- Triple Glazed high performance windows
- HRV and ccASHP heating
- Future Solar



What features save on water costs?

- Rain barrels for garden watering
- Watersense fixtures

Other special features

- 100% electric home with no natural gas fees.
- Plan to hit Net Zero with additional solar.
- Suburban garden integrating fruit and vegetable growing.
- Recycled as much of the demolition waste as possible.

