



Eco-Solar Home Tour 2024

Sunday 9 June **10 am to 5 pm**

Bragg Creek NZR Home

Tour Day: Sun 9 June

Address:

Hosts: Homeowners

Parking: On street

Energuide Rating: N/A



Summary points why people need to see your home

- Despite being in a remote location (high elevation, long winters) outside a small hamlet, it is still possible to build a stylish and energy efficient home

What will people see and learn about at your home?

- Hydronic slab heating and slab cooling
- High efficiency tilt and turn windows and doors
- Solar panel systems from a certified installer (to be installed summer 2024)

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

- Energy efficient home without compromising on size or style
- High efficiency tilt and turn windows and doors

Are there main items that they can't see?

- Insulative benefits of ICF walls (no thermal bridging and high thermal mass)
- In floor radiant heating and cooling system
- Ceiling insulation
- Miniature treatment plant processes septic onsite using bacterial cultures





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Bragg Creek NZR Home

Why is this home on the tour?

This new build house in west Bragg Creek demonstrates the feasibility of making energy conscious choices without needing to sacrifice on style. Choices like ICF throughout, high-efficiency tilt and turn windows and doors, and efficient heating systems make for a comfortable fully electric home. Complemented by solar panels and other highly efficient energy alternatives, the operating costs and carbon footprint of this home will be minimized.

What features save on energy costs?

- Extra thick ICF foundations and above grade walls (2 x 3 1/4" panels)
- High thermal mass due to ICF and suspended slab floor
- No thermal bridging throughout wall assembly
- High quality tilt and turn efficient windows / doors
- HRV
- Two heat pumps
- No gas line hook-up
- Solar panels to be installed in summer 2024
- Induction stove
- Heat pump washer / dryer
- LED lighting
- Closed cell spray foam ceiling insulation (greater insulative value and air tightness)
- Suspended concrete main floor slab
- In-floor radiant heating throughout house

What features save on water costs?

- High efficiency toilets, fixtures, appliances
- Well and septic systems

Other special features

- Indoor microgreen growing location, outdoor garden
- Chickens for egg production

