



Eco-Solar Home Tour 2021

Sunday 6 June 5:00 to 5:40 pm

Strathcona County NZE



Butterwick



SkyFireEnergy
Solar Energy Systems



Link Allen
SNOWFLAKE PHOTOGRAPHY



Tour Day: Sunday June 6
Time: 5:00 to 5:40 pm
Hosts: Homeowner
Energuide Rating: 0 GJ/yr

Why people need to see your home

A newly constructed NZE home on an acreage
13 kW grid-connected solar system with battery storage

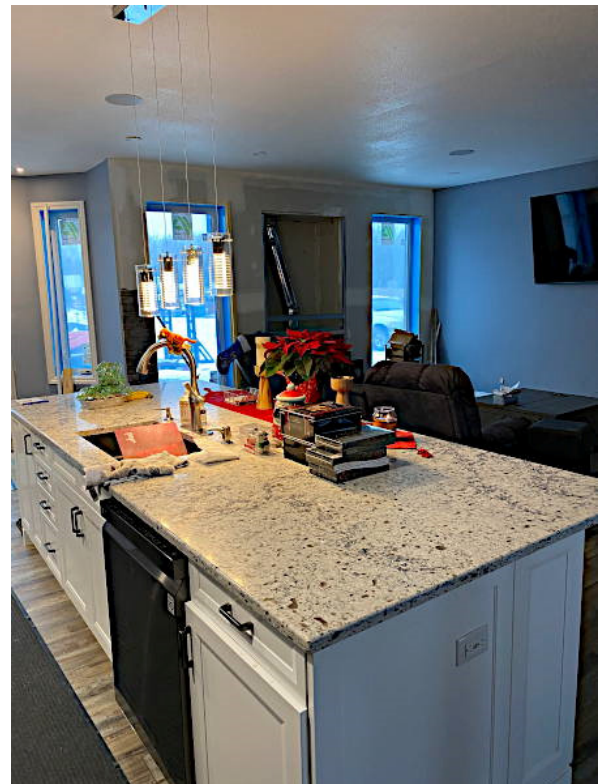


What are the main things people will see at your home?

Solar system and battery storage
Electric boiler for heating
LED lighting throughout
Hybrid hot water tank

Are there main items that they can't see?

ICF foundation
In floor heating.





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Why is this home on the tour?

I have been passionate about renewable energy for the past 20 years. My home was built with attention to detail and has used products with recycled content to reduce my carbon footprint. This home includes solar panels, hybrid hot water tank, and battery storage. The RIO energy wall is 2" expanded polystyrene with in-floor heating of basement and garage floor. The 1920 sq ft home has 4 ½ bath, 3 bedrooms and attached two car garage. The ICF foundation has an R value of 28 and the basement floor is R16. While under construction this winter the home was heated during the last two coldest months with only 5 small electric heaters and a woodstove.



What features save on energy costs?

- 13 kW solar system with battery storage
- ICF foundation
- R32 walls, R16 below basement
- Triple-pane windows
- In-floor water heating to basement and garage floor through electric boiler
- All light fixtures are LED

What features save on water costs?

- Acreage has its own water well
- Hybrid hot water tank.

Are there any other special features you want to highlight?

During the winter while finishing the build, and with temperatures of -40C, the house was heated with only 5 small electric heaters and a woodstove.

