



# Eco-Solar Home Tour 2022

Saturday 18 June, Noon to 5 pm

## The Crossings NZE Home

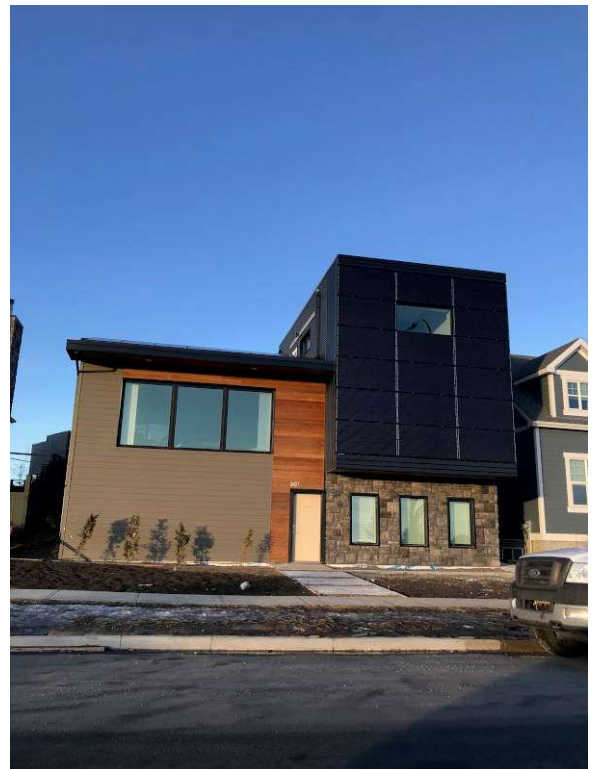
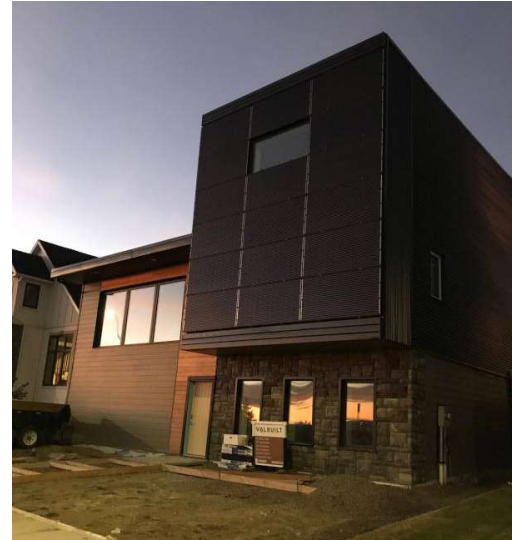
Tour Day: 18 June 2022  
Hosts: Homeowners  
Parking: On street  
Energuide Rating: 0 GJ/year

### Summary points why people need to see your home

Net-zero with solar wall and roof top deck  
Net-zero with curb appeal, latest technology

### What will people see and learn about at your home?

No gas furnace, R40 walls, R85 Roof, insulation under slab, minimal exterior protrusions, special air and vapour barriers  
Net-zero home, Solar wall, no gas, healthier home (HRV circulates -1/3 of air every hour)  
R40 walls, R85Roof  
Baseboard radiant heat





# Eco-Solar Home Tour 2022

## The Crossings NZE Home

### Why is this home on the tour?

I wanted to create a home that is energy efficient and at the same time a work of art from a technology perspective. The home incorporates a solar wall that takes advantage of the low winter sun and avoids snow build up, this also added curb appeal as we used black on black solar panels. With no gas line, this home is heated and powered by the electric grid, It has a 12kw power array with 35 solar panels in total (on roof and wall) making it a net-zero home. Every part of the home has a purpose, from blocking summer sun on the windows to water drainage toward one spout for rainwater conservation to incorporating big south facing windows for winter heating and views. Designed for maximum efficiency but also designed to create a better quality of life for the inhabitants, as it also features a rooftop balcony that is engineered to hold a hot tub.

### What features save on energy costs?

- no gas/furnace
- no geothermal
- Solar powered 35 panels
- Baseboard heaters
- R40 walls, R85 roof
- Vapour and air barrier technology

### What features save on water costs?

- All rain water to one spout for water conservation

### Other special features

- Solar Wall
- Electric car ready
- Rooftop Deck
- HRV
- Radiant baseboard heat

