



Eco-Solar Home Tour 2021

Saturday 5 June, 5:00 to 5:40 pm

Prince Charles NZE Home



Butterwick



Tour Day: Saturday 5 June

Time: 5:00 to 5:40 pm

Hosts: Net Zero

Developments

Energuide Rating: 0 GJ/year

Summary points why people need to see your home

- Affordable Net Zero homes for the everyday homeowner (Starting at \$395,000).
- Showcasing energy efficient building strategies with a value engineered approach for Net Zero Energy.



What will people see and learn about at your home?

- What features support your Energuide rating?
 - Air Source Heat pump for Heating / Cooling
 - Air Source Heat pump for Domestic Hot Water
 - Building and Envelope Air-Tightness
 - Exterior and interior rigid foam systems providing Thermal Bridge
 - Solar Photovoltaic Panels supplying annual energy demand

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

- The mechanical room showcasing the high efficiency mechanical and plumbing equipment
- An exposed portion of the basement wall showing Roxul and rigid foam application to foundation wall perimeter
- Solar panel array covering the south facing roof pitch.
- Air-tight attic hatch
- High-efficiency appliances.
 - Triple-pane windows
 - LED lights
 - TED Energy Monitoring App.





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Why is this home on the tour?

We are enthusiastic builders that aim to educate the community on technology readily available to bring homes to NetZero without breaking the bank.

What features save on energy costs?

- Airtightness and Envelope seal ensuring minimal heat losses
- Minimal Thermal Bridge
- Triple-Pane Low E windows
- Drain water heat recovery
- Air source heat pump
- Air source hot water tank



What features save on water costs?

- Drain water heat recovery
- Low Flow Faucets
- Drip

Are there any other special features you want to highlight?

- Electric Car Charger roughed in Garage
- Micro inverter Solar panel system

Are there main items that they can't see?

- Air tightness, envelope seal and exterior foam
- Micro inverters for Solar PV system versus the traditional string inverter.
- Rigid foam under basement slab
- R80 blow insulation
- Electric vehicle charger rough-in at garage
- Solar PV rough-in-at garage for NetZero Electric Vehicle capability

