



# Eco-Solar Home Tour 2018

Saturday 2 June 2018 Noon to 4 pm

## Prince Charles NZE Triplex

Tour Day: Saturday

Address:

Hosts:

Net Zero Developments

Parking: On Street

Energuides Rating:



3 LEAFS



### 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 Energuides 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.
- *Blower Door test will be set up on tour day for demonstration.*



Edmonton, Alberta

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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

