



# Eco-Solar Home Tour 2018

Saturday 2 June 2018 Noon to 4 pm

## McQueen NZE Home

Tour Day: Saturday

Address:

Hosts: Homeowner

Parking: Available on Street

Energide Rating:



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

- ICF (Insulated Concrete Form) construction
- Canadian made Air Source Heat Pump
- 14.5 kW Solar PV System (on home and garage)
- A different approach to a net zero home

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

- ICF building pros & cons
- Home heating without natural gas
- Grid connected solar

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

- Insulated concrete form (ICF) walls
- Nordic Air Source Heating System - no natural gas!
- Large (for the city) solar array
- Heat recovery ventilator
- Drain water heat recovery



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Edmonton, Alberta

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## McQueen NZE Home

### Why is this home on the tour?

This home represents a practical approach to achieve a net zero home. ICF walls and high-quality windows create a very airtight, high R value building envelope at an attractive cost (both in terms of total dollars and in terms of less square footage lost to very thick walls).

### What features save on energy costs?

- R33 ICF walls, R80 roof
- High attention to detail to ensure 100% elimination of thermal bridging
- Triple pane, dual Low E coated, gas filled fiberglass windows
- 14.5kW solar PV array

### What features save on water costs?

- Low flow shower heads & taps
- Rain water recovery
- Low water landscaping

