



Eco-Solar Home Tour 2018

Saturday 2 June 2018 Noon to 4:30 pm

McQueen NZE Home

Tour Day: Saturday

Address: 14641-110 Ave NW

Hosts: Homeowner

Parking: Available on Street

Energuides Rating: 20 GJ/year



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





Edmonton, Alberta

Eco-Solar Home Tour -2018

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

