



Better Choices
Better Homes
Better Lives



Eco-Solar Home Tour 2017

Saturday June 3 2017 Noon to 4 pm

NZE Apartments and Church

Tour Day: Saturday

Address:

Hosts: Habitat Studio

Parking: On Street

Ener guide Rating:

100 Estimated



Summary points why people need to see your home

- First net zero energy affordable housing in Canada
- First net zero energy church in Canada
- To show off and brag about the above
- To demonstrate that all building types can be net zero energy

What will people see and learn about at your home?

- R40 double 2x4 cellulose filled walls with advanced framing
- Air tight thermal, bridge free construction
- R16 underlab insulation and R80 attic
- Triple glazed Low E argon filled fibreglass windows
- Custom Built Passive house doors (church)
- Geo thermal system for both buildings
- Air source heat pump hot water tanks
- 90% efficient Zehnder HRV's (Church)
- Geothermal heat pumps

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

- 134kW PV system
- wall framing details
- air/ vapour barrier details
- cellulose insulation
- posters showing all construction and air sealing details,
- Geo thermal pumps and headers for a 33 hole geo system
- Air source heat pump hot water heaters
- High efficiency HRV's
- Passive House doors
- Tri-glazed, Low E Argon, Fibreglass windows
- Recycled glue lam arches and fir decking in the Sanctuary of the Church



Edmonton, Alberta

Eco-Solar Home Tour -2017

NZE Apartments and Church

Why is this home on the tour?

The Right at Home townhouses and the new Westmount Presbyterian Church is a unique new Net Zero Energy project in Edmonton. The sixteen stacked townhouse units –affordable housing primarily for large immigrant families, and the new church, daycare, and community building have been designed to use so little energy that their rooftop photovoltaic systems will produce all the energy needed annually for heating, cooling, hot water, lighting and appliances.



The church will be in the dry wall stage with all the mechanical equipment in place. The townhouses will be in various stages of completion so that people will be able to view framing, mechanical rough ins, air sealing details, insulation and exterior cladding details.”

What features save on energy costs?

- Super insulated, airtight, thermal bridge free construction.
- Energy efficient appliances and lighting
- Ventless heat pump dryers
- Geothermal heating and cooling system

What features save on water costs?

- Water efficient dishwashers and washing machines
- Low flow toilets
- Low flow shower heads and faucet aerators

Are there any other special features you want to highlight?

- Water efficient landscaping

