



Eco-Solar Home Tour 2018

Saturday 2 June 2018 Noon to 4 pm

NZE Apartments and Church

Tour Day: Saturday
Address: 13830 –
109A Ave NW
Hosts: Habitat Studio
Parking: On Street
Energuides Rating:



Summary points why people need to visit this location

- First net zero energy affordable housing in Canada
- First net zero energy church in Canada
- To see that all building types can be net zero energy
- To see that net zero energy can work on a bigger scale

What will people learn?

- How net zero energy buildings are designed and built
- How to build affordable net zero energy buildings
- That net zero energy buildings are beautiful, functional and safe
- That almost any building can be net zero energy

What are the main things people will see at this location?

- 134kW PV system
- Wall framing mock up
- Posters showing all construction and air sealing details,
- Geo thermal pumps
- Air source heat pump hot water heaters
- High efficiency HRV's
- Custom built Passive House doors
- Tri-glazed, Low E Argon, Fibreglass windows
- Recycled glue lam arches and fir decking in the Sanctuary
- Poster of other Net Zero houses showing how they got there



3 LEAFS



Eco-Solar Home Tour -2018

NZE Apartments and Church

Why are these buildings 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 buildings are finished. There will be a scale model of the wall construction, many informative panels and of course knowledgeable Habitat Studio personnel to answer all your questions.

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

