



Better Choices
Better Homes
Better Lives



Eco-Solar Home Tour 2017

Sunday June 4 2017 Noon to 4 pm

Maple Crest NZE Home

Tour Day: Sunday

Address:

Hosts: Landmark Homes

Parking: Available on Street

Energuide Rating: 0 GJ



Summary points why people need to see your home

Net zero energy homes have typically been reserved for individuals with a deep commitment to sustainable living or those willing to invest a fair sum of money towards energy efficiency. This latest project in Edmonton's southeast neighborhood of Maple Crest is an example of an affordable detached single-family net zero energy home priced under \$400,000.

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

- Solar panels and inverter
- Air to air heat pump with smart duct system
- Backup electric furnace
- Drain water heat recovery
- Air source heat pump hot water tank
- Heat recovery ventilator
- Triple pane windows

Are there main items that they can't see?

- Wall, attic, basement slab insulation
- Engineered lumber used as framing materials
- Precision framing which results in an airtight building envelope



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Why is this home on the tour?

The purpose-built net zero show home will serve to introduce the concept and educate the public about affordable ultra-energy efficient housing. These unique, environmentally-friendly and energy efficient homes are attainable to the average homeowner with no change to design aesthetics, lifestyle and comfort. They are specifically designed for suburban living while keeping a sustainable way of life top of mind. The homeowner can find value in net zero with the exceptional energy performance and the ultimate in comfort.

What features save on energy costs?

- Exterior rigid insulation (R5) + R22 cavity insulation for above grade exterior walls
- R 80 attic insulation, 12” heel heights
- 3” basement slab insulation
- R24 Roxul + R14 fibreglass batt frost wall for foundation insulation
- Air to air heat pump (space heating and hot water)
- Drain water heat recovery (6ft)
- Heat recovery ventilator
- Minimized attic penetrations
- Energy Star appliances

What features save on water costs?

- Water saving toilets, showerheads and faucets

Are there any other special features you want to highlight?

- Solar PV array to generate enough energy to offset the homes annual energy demand