



# Eco-Solar Home Tour 2018

Sunday 3 June 2018 Noon to 4:30 pm

## Keswick NZE Home

Tour Day: Sunday

Address:

Hosts: Landmark Legacy

Parking: On Street

Energuides Rating: 0 GJ/yr



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

- Demonstration of an affordable net zero new home
- Net Zero upgrades only \$45,000.00 after provincial solar rebate.
- A production net zero home, looks like all the rest of the homes in the neighborhood but is dramatically more efficient.
- Home Model – York, 1604 SqFt (Not including the Basement)

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

- Solar system with string inverter system
- All the mechanical will be visible in the basement
- Medium velocity heating system with house duct venting
- Basement insulation will be available to see

### Are there main items that they can't see?

- Main house insulation may not be visible
- Engineered Lumber used as framing material
- Precision framing which results in an airtight building envelope
- Attic insulation
- Under slab – basement floor insulation



Edmonton





Edmonton, Alberta

# Eco-Solar Home Tour -2018

## Keswick NZE Home

### Why is this home on the tour?

This net zero show home will serve to introduce the concept & educate the public about affordable ultra-energy efficient housing. These unique, environmentally- and comfortable Net Zero homes are attainable by the average homeowner with no change to lifestyle. The homeowner can find value in net zero with the exceptional energy performance and the ultimate in comfort. Over a one-year period the home will produce all the electricity required to offset consumption.

### What features save on energy costs?

- Exterior rigid insulation (R5) + R24 Roxul in cavity insulation for above grade exterior walls
- R 80 attic insulation, 12” heel heights
- 2” basement slab insulation (type –II EPS) R8
- R24 Roxul + R14 fibreglass batt frost wall for foundation insulation (8 inch concrete wall)
- Air to air heat pump (space heating and hot water)
- Drain water heat recovery (6ft)
- Heat recovery ventilator
- Minimized attic penetrations
- Energy Star appliances
- LED & CFL lamps in all fixtures

### What features save on water costs?

- Drain Water heat recovery
- All low flow water features
- Low flow shower heads
- Low flow faucets

### Are there any other special features you want to highlight?

- Basement is not developed, open to be developed by homeowner
- Solar PV system large enough to supply energy to offset the homes annual energy demands
- If you are building a new home, come and learn some of the technologies that you can use to make your new home more energy efficient.



Precision framing system reduces waste

