



Eco-Solar Home Tour 2020

Sunday 14 June, Noon to 4:30 pm

Spring Bank Hill NNZ Home

4 Elements

www.4Elements.eco



Calgary



innotech
windows + doors



SkyFireEnergy
Solar Energy Systems

SOLAR
CLUB



SIMPLE SOLAR

Tour Day: Sunday 14 June

Address:

Hosts: Knightsbridge Custom Homebuilders

Parking: On street

Energuide Rating: 48 GJ/yr



Summary points why people need to see your home

- How to incorporate a Solar System into the energy mix
- Goal is to learn how to build a standard built Net Zero Home
- Beautiful show home
- Designed for families and “aging in place”

What will people see and learn about at your home?

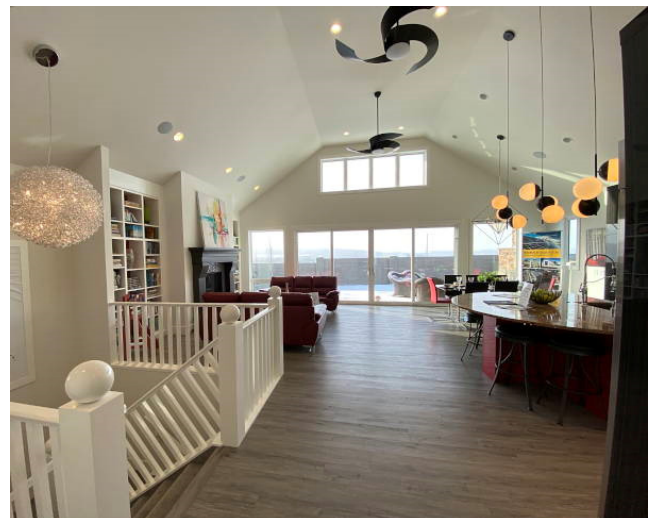
- Energuide of 48 GJ/year is our rating
- Without the solar credit the Energuide would be 101 GJ/Year
- Current building code rating for this home would be 133 GJ/year

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

- Solar functionality incorporated into the architecture.
- The mechanical room and installed systems
- Technical specialists will be on hand to answer questions

Are there main items that they can't see?

- Not just insulation but it is how you use it
- Energuide advisor will be on site to answer questions.
- Passive solar is a huge factor in our designs.
- Solar expert will be on site to answer questions.





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Why is this home on the tour?

This is an experiment by Knightsbridge Home to use a net electrical energy zero concept to see “How this house can move us toward making Net Energy Zero the standard build specification” Balancing modern living, aging in place and a home for an active family with beautiful architecture is the goal. (Form, Function, Aesthetics)

What features save on energy costs?

- A high wall to window ratio adds passive heat gain
- Triple glazed windows for comfort and efficiency
- 32 Solar panels are designed into the roof shape
- LED lighting
- Energy efficient appliances
- In-slab heat in basement and in-floor heat in master ensuite

What features save on water costs?

- Minimal maintenance, native trees, drip irrigation, rain sensor
- Low-flush toilets
- Water-efficient fixtures

Other special features

- EV ready garage
- Electric car on site during the tour
- Sky Fire Energy on-site to solar presentation
- Solar monitoring, production and cost recovery stats and discussion

