



Eco-Solar Home Tour 2018

Saturday 2 June 2018 Noon to 4:30 pm

Beacon Heights Office Reno

Tour Day: Saturday

Address:

Hosts: Evergreen and Gold
Renewable Energy

Parking: On Street



Summary points why people need to see your office

- This is a retrofit net zero commercial space with passive solar heat, a permaculture garden that has a garden that is planted by Beacon Heights Elementary school garden club. We are happy to share the produce from the berry and fruit trees with the neighbourhood. We collect rain water from the flat roof to water the gardens.

What will people see and learn about at your office?

- 8.3 KW solar system (to be increased to 10.8)
- Insulation that is R90 in the roof and R50 in the walls
- Electric heat with a stacked cooling system
- Permaculture garden

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

- Commercial retrofit net zero
- 8.3 KW solar system
- Permaculture

Are there main items that they can't see?

- The office space can not be accessed, but can be seen through the large windows
- We have samples of the insulation that we used in our building, as well we can provide a storyboard with photos of the process



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Edmonton, Alberta

Eco-Solar Home Tour -2018

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Why is this office on the tour?

This is a retrofitted, net zero, commercial building that utilizes passive solar, as well as 8.3 kW solar PV system. The building is super insulated with an R90 in the ceiling, R50 in the walls and a well insulated floor. All lighting is task lighting and LEDs. This building also has a permaculture garden focusing on berries and fruit trees with a potato garden that is donated to the Edmonton food bank. We also have a garden that is planted by the Beacon Heights Elementary School garden club. The building will be closed to the public as it is an office building. The inverter is not part of the office itself and can be shown. The gardens, water collection system and solar panels can be seen.



What features save on energy costs?

- passive solar
- super insulation
- solar PV

What features save on water costs?

- Water collection system
- Low flow taps
- Dual-flush toilet

Are there any other special features you want to highlight?

- Permaculture
- Garden Sharing

