

**CHANGE
FOR
CLIMATE**

Edmonton



Butterwick



Eco-Solar Home Tour 2020

Saturday 6 June 10 AM to 4:30 pm

Beaumont Home and Garden

Tour Day: Saturday June 6
Address: **Beaumont**
Hosts: Homeowner
Parking: Street
Energuide Rating: 74 GJ/yr



Summary:

- Residential solar PV system on W/SW roof
- Offsets 60-70% of electricity consumption
- The garden which includes edibles, native and commercial plants.
- Energy Guide Rating of 74 GJ/Y
- Efficiency upgrades in progress with expected completion 2020

What will people see and learn about at your home?

- I participated in the government program EcoEnergy Retrofit program 2010-2011
- Established as an Urban Farm in August 2019
- Certified Wildlife Friendly Habitat by Canadian Wildlife Federation
- Resources used to complete efficiencies

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

- Permaculture garden
- Canadian Solar PV system 5.2KW system and components
- 16 polycrystalline cell Modules
- Solar Monitoring system and Inverter APSystems
- Window upgrade
- Exterior upgrades (2020)

Are there main items that they can't see?

- How personal habits contribute to energy efficiencies
- The main home will not be open
- Lighting, insulation
- Low flow faucets and showers



Eco-Solar Home Tour 2020

Beaumont Home and Garden

Why is this home on the tour?

This home continues to evolve, increasing efficiencies, prioritizing solar energy, and increasing food production and biodiversity in the urban community.

2020 energy projects:

- Exterior refacing, increasing efficiency by R7
- Attic insulation upgrade to R60-70
- Solar Covered Car Park

Since 2010, a portion of upgrades have been made possible by government grants. The process of improving the efficiency of the home is ongoing with future plans to improve efficiencies and function.



What features save on energy costs?

- All LED lighting (excluding pets and plants)
- Energy efficient furnace
- New Windows (2 panel) in 2011
- Electronics on Power bars that are turned off when not in use.
- Clothes hanger and racks inside and outside
- Energy efficient washing machine
- 5.2 Kw Solar Installation on roof in 2017
- Shared Living to avoid empty rooms
- Push mower for the lawn
- Increased insulation value in attic and exterior

What features save on water costs?

- Low flow toilets in upstairs and brick in tank method in basement
- Energy efficient washing machine and cold water washing only.
- 4 water barrels to store rain water for the garden and outside use
- Low flow toilets and shower heads



Are there any other special features you want to highlight?

- Permaculture landscaping
- The use of recycled or recyclable materials
- Cold Storage Room
- This home is a personal project on finding a sustainable existence and to be as off grid in the city as possible.
- Many projects utilized reused or refurbished resources and elbow grease.
- Urban Farm development project with expected completion in 2020