



# Eco-Solar Home Tour 2026

21st June, Sunday Noon to 5 pm

## Sunnyside NZE Retrofit

**Tour Day:** 21<sup>st</sup> June, Sunday

**Address:** 910 4A St NW

**Hosts:** Homeowners

**Parking:** on street

**Energuide:** 60 GJ/yr

### Summary

- Retrofit of a 1984 home
- Exterior insulation added
- New windows and doors
- Air source heat pump
- Solar array
- Food garden



### What will people see and learn about your home?

- New doors and Innotech windows to seal the home
- 6" of non combustible Exterior Insulation + 1" rainscreen added into the side setback of the property to insulate the home.
- Corrugated Steel Siding chosen with future deconstruction in mind.
- ERV added with MERV filters to cycle fresh air in and out of the home.



Calgary





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## Sunnyside NZE Retrofit

### Why is this home on the tour?

After falling victim to the 2013 floods this 1984 home was retrofitted with 6 inches of exterior Roxul insulation, steel siding, new windows and doors and the installation of a year-round Air Source Heat Pump, (Solar Homes) and solar array (Eco-Smart Energy Solutions Inc) to make the home as close as possible to net-zero and removed the natural gas line to the house. All this keeps an older building out of the landfill and makes it energy efficient.

### What features save on energy costs?

- 6" of Roxul exterior insulation have created a "thermos effect", minimizing heat loss in winter and heat gain in the summer.
- Sealed attic and added blown in insulation create a strong thermal separation.
- Heat pump has replaced the traditional furnace for year-round heating and cooling as needed.
- Natural Gas line is now disconnected from the house
- Upgraded solar array now covers full year-round electrical usage for the home.
- Recessed windows, larger roof overhang, plus sails placed to restrict summer sun.
- Addition added to create a rectangular structure with less bends often responsible for thermal heat loss.
- Use of indoor clothing rack and outdoor clothesline.



### What features save on water costs?

- 3 Rain barrels used to water the garden
- Gathering of grey water from showers/kitchen sink to be used in garden and toilets

### Other features

- EV Charger installed in car port for EV's or plug-in hybrid vehicles
- Vegetable garden and berry farm for spring/summer/fall food security
- Front boulevard grass has been removed and replanted with less water intensive flowers and succulents
- Energy efficient ranger wall mounted magnetically sealed cat door.
- Family of 4 single car household, emphasis on public transit, walking, and biking for transport

