Eco-Solar Home Tour 2025
Sunday 15 June, Noon to 5 pm

Bowness NZE Town Home

Tour Day: Sun 15 June
Address: 7903 36 Ave NW
Hosts: Homeowners
Parking: On street
Energuide Rating: 288 / 8 GJ/year

Summary points why people need to see your home

- Net-zero rental housing – See how a 10,000 sq. ft. infill fourplex achieves (or nears) net-zero energy.
- Innovative solar design – Features a 72kW BIPV solar roof maximizing efficiency through smart planning.
- Sustainable infill development – Learn how high-performance walls, all-electric systems, and thoughtful design make net-zero possible in urban settings.
- EV-ready & future-focused – Includes EV charging for renters and planned permaculture landscaping.
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What will people see and learn about at your home?
- Rentals can be built to be net zero
- Infills can be built to be net zero
- PV can be maximized by thoughtful design in advance
- BIPV can be maximized by proper design (and sensitive to changes in construction; some foreshadowing here)
- Big systems can be commissioned in infill sites without 3 phase power

Calgary

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Why is this home on the tour?

We are constructing a net zero (or near net zero, pending test results) infill fourplex with suites. The building will have ~10,000SF finished area and feature 20 bedrooms spread throughout 8 rental units.

High performance wall assemblies and mechanical systems are complimented by a large salt box roof completely covered in CHE BIPV solar\ (~72KW DC rated capacity)

What features save on energy costs?

- Insulation – R24 mineral wool batts, 2" mineral wool outboard of sheeting
- All electric mechanical system
- BIPV (lots of it)
- All electric appliances (TBD on W/D still)
- Street parking EV Charging capabilities

What features save on water costs?

NA

Other features

EV charging (4 inside garage, one outside for street parking)

Permaculture will be underway, not sure of status during tour (city has been challenging on this front with the landscape planning)

SOLAR PANEL