



Eco-Solar Home Tour 2026

14th June, Sunday Noon to 5 pm

Strathearn NZE Home



Solar Energy Solutions



Tour Day: 14th June, Sunday

Address:

Hosts: Homeowners

Parking: On street

Energuides Rating: 0

Why people need to see this home.

- All-electric infill
- 18kW solar array
- Air source heat pump
- Triple pane windows
- Rooftop patios
- Lifestyle spaces (theatre, gym)



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

1. Beautiful design that does not make sacrifices to achieve Net Zero
2. Well-designed mechanical room that includes the air source heat pump, HRV, air source hot water heater, high performance whole house HEPA air filter, A/V rack, work bench
3. 18kW solar system viewable from the rear rooftop patio
4. Home theatre and home gym
5. two rooftop patios, one with a hot tub, and one with a seating area and a view of downtown
6. Rough in a for a future elevator



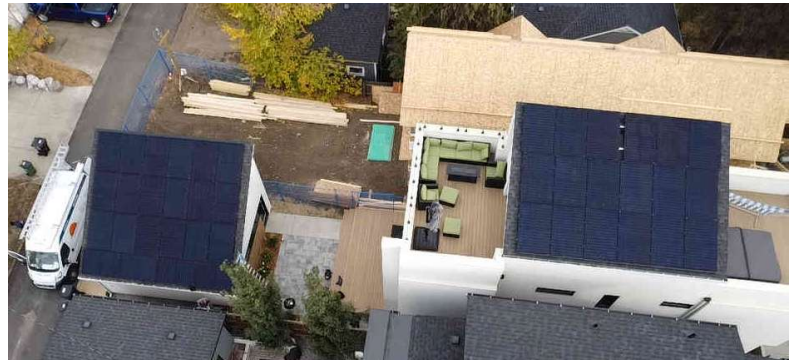


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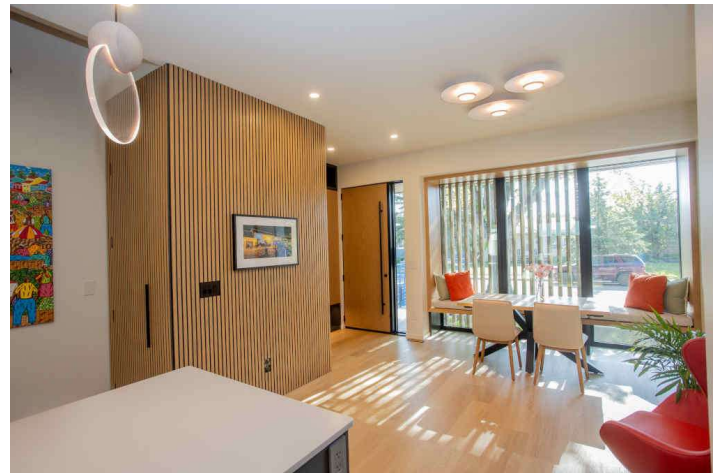
Why is this home on the tour?

This home shows that you can achieve Net Zero in a skinny infill (25-foot lot) without sacrificing design, functionality, or living space. The home was designed by Sebastian Mielczarek with Design Two Group and built by Habitat Studio. The home is entirely electric (no gas connection) and features 18 kW of solar, heat pumps for heating, water, and clothes drying, energy efficient appliances, triple pane windows, and robust insulation. Unique design features include 2 rooftop patios and a hidden bathroom. The home is in a walkable neighborhood within a 4-minute walk of the LRT station and features a rough in for a future elevator to allow for "age in place" functionality.



What features save on energy costs?

1. Triple pane windows
2. High R value insulation
3. Energy efficient appliances
4. Energy Star rated HRV
5. Air source heat pumps for heating, hot water, and clothes drying
6. Airtight house with an ACH value of 0.75
7. Insulated triple lock doors



What features save on water costs?

1. High efficiency toilets
2. hot water circulation pump
3. High efficiency dishwasher
4. High efficiency washing machine

Other special features

Electric vehicle, rooftop patios, home theatre, gym, rough in for future elevator, Ruvati dual tier kitchen sink, whole house water softener, electric fireplace.

