















Eco-Solar Home Tour 2025

Saturday 14 June, Noon to 5 pm

Ranchlands NZR Home

Tour Day: Sat 14 June

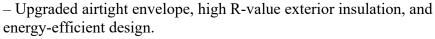
Address:

Hosts: Homeowners Parking: On street Energuide Rating: 91

GJ/Year

Summary points why people need to see your home

• Net-Zero Ready Retrofit



- Superior Windows & Ventilation Triple-pane Innotech windows and an energy-recovery system for air quality.
- Modern & Functional Stylish façade, fire-resistant cladding, and a 100 sq. ft. addition for better living.
- Future-Ready Upgrades EV-capable electrical panel and watersaving fixtures.

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

- Net-Zero-ready building envelope with continuous airtight membrane and added exterior insulation.
- Canadian-made, high-quality tilt-and-turn windows and doors by Innotech Windows and Doors for exceptional energy efficiency, airtightness, sound control, and durability/sustainability (40-60 year performance lifespan).
- Energy-recovery ventilation system for controlled air exchanges and removal of toxins (radon, VOC's, etc.) in homes with energy-efficient building envelopes.
- A building façade architecturally modernized with durable and

fire-resistant metal cladding, with intriguing textural and visual contrasts.

• Tasteful addition of 100 sq ft. of functional space at the front of the building to better suite the needs of modern family living.





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Why is this home on the tour?

This home is an example of a Deep Energy Retrofit (DER) completed in 2024 to the level of Net-Zero Ready (Phase 1 Net Zero Home) of a single-family home located in an established neighbourhood with ample green spaces, mature vegetation, and established communal structures. The owners have transformed this 45+ year old bi-level home outside and inside over the course of 1.5 years. The goal was to improve the functional layout of the home, give it a modern living ambience, and increasing its emotional



and monetary value. The result is a home visually distinct from its surrounding with elevated living comfort and an energy efficiency that is 10% better than present, code-built homes of comparable size.

What features save on energy costs?

- Installed European-style triple-pane windows for exceptional thermal comfort and durability.
- Air sealing the entire building envelope by adding a modern, vapor permeable air barrier membrane to the exterior walls, and sealing penetrations and wall connections in the attic.
- Upgraded the insulation in the attic to 18 inches for an R-value of 70.
- Added 6-inch Rockwool mineral wool insulation to the exterior for an effective R-value of 30 for all above grade walls.
- Added 4-inch of XPS foam insulation to the concrete foundation perimeter walls.
- Removal of some of the main culprits of energy loss in singe family homes, like traditional fireplaces and vented dryers.

What features save on water costs?

• Low-flow toilets and faucets/shower heads with aerator

Other special features

• Upgraded electrical panel to incorporate future electric vehicle charging capability



