



Eco-Solar Home Tour 2025

Sunday 8 June, 10 am to 5 pm

Leduc NZE Home



Tour Day: Sun 8 Jun
Address: 4522 47 Ave
Leduc
Hosts: Homeowners
Parking: Yes, Street
Parking Available
Energuide Rating: 0
GJ/Year



Summary points why people need to see your home

- Net Zero Home – 36-panel solar array (18KW) and efficient heat pump system.
- Lower Costs – No gas line, no carbon tax, and solar credits.
- Energy Efficient – Airtight build, ICF foundation, and premium windows/doors.
- Eco-Friendly – Natural landscaping, rainwater capture, and landfill diversion.

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

- 36 Panel Solar Array (18 KW Capacity)
- Heat Pump w/ electric secondary backup, primary heat source.
(No Gas Line)
- Heat Pump Water Heater
- ICF basement Foundation + exterior foam wall system
- Tilt + Turn windows and multipoint locking doors.





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Why is this home on the tour?

This custom in-fill property in Leduc is designed for Net Zero from the start, featuring a south-facing roofline to maximize summer solar energy and build credits for winter use. An ICF foundation, airtight envelope, and multi-point locking windows and doors help retain heat from the heat pump throughout most of the winter. Additionally, natural landscaping minimizes the need for watering, enhancing sustainability.

What features save on energy costs?

- Insulation, air tightness, HRV, windows, solar, heat pump, appliances, etc.
- No Gas Line = No Delivery charges and No direct Carbon Tax.
- Heat Pump Efficiency over time. Solar Credit Build Up with Electric company.
- Great windows and doors and envelope.

What features save on water costs?

- Efficient fixtures, toilets, Drain Water Heat Recovery, rain barrels
- Exterior Rainwater capture system.
- Natural landscaping, reduces the need for heavy watering.

Other special features

- Landfill diversion during construction. recycle and re-use focus.

