



# Eco-Solar Home Tour 2025

Sunday 8 June, Noon to 5 pm

## McKernan NZE Home



**SkyFireEnergy**  
Solar Energy Solutions



**Tour Day:** Sun 8 Jun

**Address:**

**Hosts:** Homeowners

**Parking:** Yes

**Energuide Rating:** 0 GJ/Year

### Summary points why people need to see your home

- Innovative Net-Zero Construction – Experience a home built with double insulation, passive solar design, and advanced mechanical systems to achieve exceptional energy efficiency.

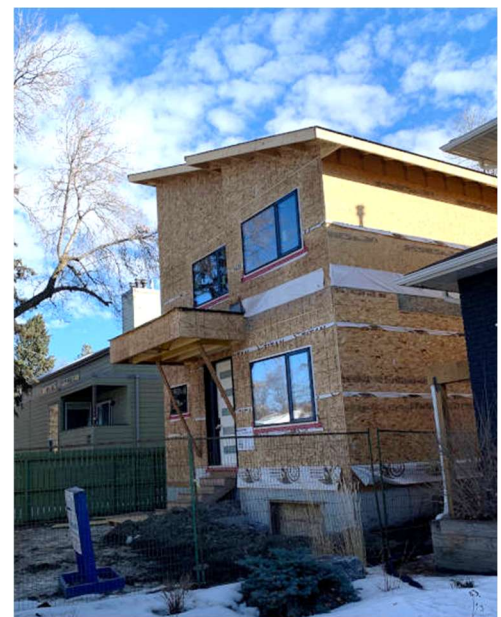
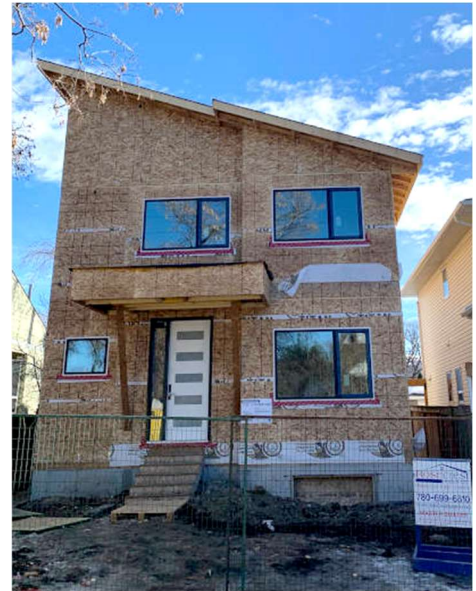
- Solar-Powered & Cost-Effective – See how solar panels, air source heat pumps, and heat recovery systems dramatically reduce utility costs and carbon footprint.

- Future-Proof Design – Built to meet and exceed upcoming building codes, showcasing the economic and environmental benefits of forward-thinking construction.

- Sustainable Water Solutions – Features efficient fixtures, low-flush toilets, and drain water heat recovery for optimal water conservation.

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

- Energy efficient construction
- Energy efficient building mechanical systems
- Solar panels
- Passive home design elements





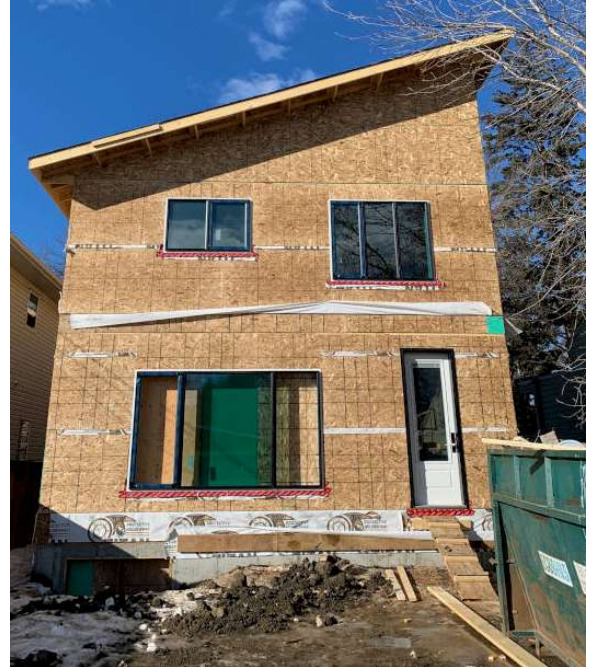
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### Why is this home on the tour?

We built this home as a residence with two revenue suites. We have looked at bringing Solar into other existing properties we own but the opportunity to do it from the ground up was of great interest. Lowering the carbon footprint is important to us and the ability to do this and at the same time lower the monthly utility expenses are aligned. With new construction we are able to amortize the extra costs from building net-zero type construction over a long time period and an economic justification can be made.

We understand that the risk of needing to sell the home in the near future may result in not getting full value back from the extra cost of adding in net-zero construction principles; however, long-term ownership will result in a positive return on investment. As well, future building codes will likely include many of these net-zero items and we will have a home that is already built to those new standards.



### What features save on energy costs?

Double the insulation than current building, Air tightness rating of 1.0 per hour double currently prevailing standards, high efficiency HRV, Triple glazed window, passive solar design features, Air source heat pump and hot water heater, energy efficient appliances, solar panels.

### What features save on water costs?

Efficient fixtures, low flush toilets, drain water heat recovery, Air source heat pump hot water tank.

