



Eco-Solar Home Tour 2025

Sunday 8 June, Noon to 5 pm

Strathearn NZE Home



SkyFireEnergy®
Solar Energy Solutions



Tour Day: Sun 8 Jun

Address:

Hosts: Homeowners

Parking: on street

Energuides: House = 35,
Garage Suite = 54 GJ/yr



Summary points why people need to see your home

- Net-zero home with cutting-edge energy-efficient design and solar power.
- Sustainable features like drought-friendly landscaping and backyard hens.
- Cost-saving innovations: HRV, heat pump, triple-pane windows, and more.
- Insights into design, construction, and operation from homeowners and builder.

What will people see and learn about at your home?

- Fully electric house and garage suite (no gas service)
- 12" Double stud wall construction
- Energy modeling during design compared with monitored actual usage
- Preference for natural materials (eg wool fiber carpet)
- Solar array – phased design and implementation





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Why is this home on the tour?

In 2022, we set out to build our fully electric net zero infill home and garage suite. Our objectives were driven by both climate adaptation and mitigation – we wanted to minimize our energy consumption and replace the old house on the property with a more climate-resilient home that is comfortable in all seasons. We were fortunate to work with a fantastic builder that was willing to try new methods, materials, and processes with us. The result is a beautiful home that we have been fortunate to live in since December 2024 and have affectionately called the “Chicken Haus”. We are looking forward to sharing our experience through design, construction, and operation.



What features save on energy costs?

- ICF foundation with under slab insulation, 12” double stud wall construction, Air tightness, HRV, Triple pane windows, Solar panels, Heat pump, Efficient appliances.

What features save on water costs?

Efficient fixtures, toilets, Drain Water Heat Recovery, rain barrels, drought resilient landscaping

Other special features

- Backyard hens (coop under construction), drought resilient landscaping, electric vehicle and charger

