



Eco-Solar Home Tour 2025

Sunday 8 June, Noon to 5 pm

Windsor Park Retrofit Home

Tour Day: Sun 8 Jun

Address:

Hosts: Homeowners and builders

Parking: On street, a parking pass is required and there will be some available at site.

Energide: n/a



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

- Building envelope improvements
- Air tightness details in a retrofit
- Geothermal installation and requirements

What will people see and learn about at your home?

- Geothermal system with domestic hot water
- One way to upgrade insulation on an existing building
- Converting single family homes into multi family homes
- Understanding electrical upgrades and all-electric home load calculations in order to prevent the need for service upgrades



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Windsor Park Retrofit Home

Why is this home on the tour?

This is a 1951 bungalow that is undergoing a deep energy retrofit. The renovated home will see a geothermal heating system with three heat pumps (one per unit) as well as the building DHW running off the geothermal system. A full solar-electricity system and upgraded insulation and air tightness throughout. We will be adding two additional suites to the home to increase its site density. The holistic approach of this renovation will be a model for other similarly aged homes.



What features save on energy costs?

- Insulation, air tightness, ERV, Duxton windows, passive solar design
- Source of heat- three geothermal heat pumps,
- Geothermal domestic hot water system
- Solar electricity generation

What features save on water costs?

- High-efficiency toilets, fixtures, appliances (not installed at time of tour)
- Drain-water heat recovery

Other special features

- Permaculture or garden features- yes
- Electric-car charger
- Special lifestyle practices- cycling family
- Car garage converted to bike garage with wash down station and work shop
- Taking big steps towards achieving net-zero energy and net-zero emissions