



Eco-Solar Home Tour 2024

Sunday 2 June, Noon to 5 pm

Windsor Park Retrofit Home

Tour Day: Sun 2 Jun

Address:

Hosts: the Homeowners and Zu House (General Contractor)

Parking: on street, a parking pass is required and there will be some available passes 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 electrical home load calculations

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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 of the geothermal system. A full pv system and upgraded insulation and air tightness throughout. We will be adding two additional suites to the home increasing density. The holistic approach of this renovation will be a model for similarly aged homes going into the future.



What features save on energy costs?

- Insulation, air tightness, ERV, Duxton windows, passive solar design
- Source of heat- geo thermal 3 heat pumps,
- Geothermal domestic hot water system
- Solar 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