



# Eco-Solar Home Tour 2026

21st June, Sunday Noon to 5 pm

## Forest Heights Permaculture

**Tour Day:** 21<sup>st</sup> June, Sunday

**Address:**

**Hosts:** Homeowners

**Parking:** On street

**Energuide Rating:** 52 GJ/yr



**What will people see and learn about at your home?**

- Importance of insulation in the role of reducing energy demand
- Solar harvesting for energy and hot water production
- Integration of food production in a small urban space
- Rainwater harvesting to reduce demand for municipal water
- Creation of low-maintenance wildlife habitat for insects and birds

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

- Food producing gardens that produce a lot in a small space
- Compact composting systems
- A simple greenhouse for season extension
- Solar PV panel installation
- Solar hot water installation
- Heat recovery ventilator
- Outdoor kitchen
- Large rainwater harvesting and drip irrigation distribution system





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### Why is this home on the tour?

Our house is an urban homestead. Retrofitted in 2012 from a regular bungalow, this house and property when through a transition inside and out. The house got new effective insulation, solar hot water, heat recovery ventilation, annual and perennial food-producing gardens and greenhouse, and most recently, solar PV collectors. We live a life of building habits that reduce our energy footprint as well, such as minimal clothes-dryer use, collection of rainwater for irrigation, low energy lighting and solar tubes for daytime passive lighting.

### What features save on energy costs?

- HRV
- New energy efficient furnace with ECM motors
- Triple glazed windows
- Solar hot water heater
- Solar PV
- Clothesline!
- R30 walls and R100 ceiling

### What features save on water costs?

- 6000 Litres of rainwater capture for gardens
- Drain water heat recovery system
- Low flow dual flush toilets
- Pee bucket with seat to harvest garden nutrients

### Other special features

- Intensive backyard vegetable garden
- Greenhouse for annual crops
- Compost system (soil fertility, BIG water irrigation savings)
- Vermicompost system
- Outdoor kitchen for hosting garden tours and gatherings
- Solar tubes for ambient daylight

