



# Eco-Solar Home Tour 2019

Sunday 9 June Noon to 4:30 pm

## Wildwood Retrofit Home

4 Elements

[www.4Elements.eco](http://www.4Elements.eco)



**SkyFireEnergy**  
Solar Energy Systems

**CHC**  
POWER STRUCTURES



Tour Day : Sunday Jun 9<sup>th</sup>

Address:

Hosts: Homeowner

Parking: On street

Energide Rating:50 GJ/yr



### Summary:

- 1950's bungalow retrofitted with solar photovoltaic, solar thermal and super insulation
- What is so important that people should come to see your home? Adding solar power and heating is easier than you think, come and learn.

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

- Solar photovoltaic system
- Solar thermal hot water and space heating added to basement via baseboard heating.

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

- Exterior solar photovoltaic and solar thermal on street facing roof
- Bi-directional meter, interior solar thermal tank, plumbing, controls and baseboard hot water heaters, HRV unit, updated HE furnace.
- Solar thermal as well as solar photovoltaic
- Bee hive in front yard
- Water catchment (above and in ground)
- Wicking garden beds/herb spiral
- Two Prius hybrid cars

### Are there main items that they can't see?

- Retrofitting the 1950's bungalow building envelope – Insulation that is spray foam in original 2x4 framing and also in the newly added exterior 2x4 framed wall.



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## Wildwood Retrofit Home

### **Why is this home on the tour?**

Our 1950's home is an example of sustainability. Features include both solar photovoltaic and solar thermal systems, new building envelope and insulation, rain water harvesting, bees and herb spiral, raised vegetable beds, wicking beds and variety of berries and fruit trees.

### **What features save on energy costs?**

- Solar Thermal
- Solar PV
- Upgraded Exterior/building envelope

### **What features save on water costs?**

- Rainwater collection
- Low flow faucets, efficient toilets
- Drip irrigation, front load washer

### **Are there any other special features you want to highlight?**

- Bee Hive
- Permaculture features
- We added additional 2x4 exterior framing and reinsulated the entire main floor and attic prior to installing new siding. Triple pane windows. Metal roofing.