



# Eco-Solar Home Tour 2022

Saturday 25 June, Noon to 5 pm

## Avens Solar Home

**Tour Day:** Saturday 25 June

**Hosts:** Moraine Mechanical

**Parking:** on street

**Energuide:** 125 GJ/year



### Why people need to see your home

- We are using solar PV to heat our home and hot water
- Show people different options for hot water

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

- Solar PV system
- Alternative heating and hot water system

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

- Solar PV Panels
- High efficiency hot water heating system



Town of  
**CANMORE**

**SOLAR CLUB**

**BOW VALLEY GREEN ENERGY COOPERATIVE**

**MORaine MECHANICAL LTD**

**GOelectric**  
VEHICLE CORPORATION

**BIOSPHERE**  
INSTITUTE OF THE BOW VALLEY



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## Avens Solar Home

### Why is this home on the tour?

We installed solar PV panels and followed this with an installation of an electrical high efficiency heating and hot water system. In this system we are using our PV panels to heat our home and provide our hot water. Space heating is one of the biggest energy users in our home and by installing solar panels and an electrical home heating system we have significantly reduced the carbon footprint of our home. We would like to demonstrate the applicability of the technology and inspire others to take the same steps as us.

### What features save on energy costs?

- High efficiency gas fired boiler supplemented by solar generated electricity
- 9.4kw Solar PV electricity generation
- LED lighting

### What features save on water costs?

- Rain barrels

