



Eco-Solar Home Tour 2024

Saturday 8 June, noon to 5 pm

Bridlewood Solar Home

Tour Day: Sat 8 June

Address:

Hosts: Homeowners

Parking: on street

Energuide: 79 GJ/yr



What will people see and learn about at your home?

- New Building Integrated Photo-Voltaic (BIPV) solar roof that eliminates the need for other roofing under the solar modules.

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

- New garage with building-integrated solar roof.





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Why is this home on the tour?

After living in the house for 3 years, we finally decided to build a garage. This was a good opportunity to add solar especially with the rebate available from the Greener Homes program. By going the with the CHE Solar Roof, we were able to use the solar roof itself to weather-proof the garage without the need for shingling. The garage builder provided a discount to omit shingling that effectively reduced the cost to 'go solar'.



What features save on energy costs?

- The roof of the garage is all solar panels. These panels generate electricity that supply the homes electricity reducing electricity purchased.
- This array consists of 24 340-watt modules that will generate 7,300 kwh per year. Since we have historically used a little less, we expect to be 'net zero' electricity.
- The east-west orientation of the roof is intentional to generate solar electricity from early morning until late afternoon. While east and west does not produce as much as south-facing solar, east and west save more on the utility bill by increasing self consumption.

Are there any other special features you want to highlight?

- The garage is new construction. The solar roof is watertight and did not require the expense of shingling the roof before installation of the solar roof.
- When new shingles are needed, either from age 15 years from now or due to hail damage sooner, only the small strip on each side and the cap will need to be replaced.
- In general, it is easier to install solar on the garage instead of the house, and therefore less costly, provided the garage has an electrical connection from the house.

