



Eco-Solar Home Tour 2021

Saturday 5 June, 3:40 to 4:20 pm

Belgravia NZE Home



Butterwick



Tour Day: Saturday 5 June
Time: 3:40 to 4:20 pm
Hosts: Homeowners
Energide Rating: 0 GJ/year



Summary why people need to see this home

- Side by side duplex with basement suites on each side.
- 4 independent households while net zero

What will people see and learn about at your home?

- 15 kWh solar system per side supplying two suites each
- Air source heat pump for each main level
- Separate HRV for each of the 4 suites

Are there main items that they can't see?

- Insulation





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Why is this home on the tour?

This home is a unique side-by-side duplex with a legal secondary basement suite on each side and a net-zero energy rating. This provides net-zero accommodation for 4 independent households. Overall, the home has the appearance of a large two-storey home rather than a duplex. All four suites have independent entrances and there are private yards on each side. The mature trees were retained by using directional drilling to bring in the new sewer and water lines.

What features save on energy costs?

- Two 15kWh solar systems
- All-electric home with air source heat pumps
- 2 x 8 exterior wall with batt insulation
 - Exterior walls clad with an additional 3" EPS foam
- Aero-barrier air sealing
- Triple-glazed windows
- R40 basement walls, R16 basement floor
- 80% efficient HRV for each suite (x4)
- Air source heat pump water heater

What features save on water costs?

- Hot water circulation system with insulated lines
- Low flow faucets
- Low flush toilets

What other features?

- Certified Built Green Platinum

