



# Eco-Solar Home Tour 2024

Sunday 2 June, Noon to 5 pm

## Blatchford NZE (2)

**Tour Day:** Sun 2 Jun

**Address:**

**Hosts:** Landmark  
Homes

**Parking:** On street  
**Energuide Rating:** 0  
GJ/yr



### Summary points

#### why people need to see your home

- Affordable NZE home
- Exceptional energy performance
- Greater comfort and better indoor air quality for healthy living
- Prefabricated homes for high quality with less waste

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

- Optimal NZE design with low heating loads
- Compartmentalization in multi-family buildings

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

- High-performance building envelope
- Flexible duct for medium velocity space heating system
- Engineered lumber and factory-based framing builds to 1mm precision, resulting in an airtight building envelope and less construction waste
- Drain Water Heat Recovery
- Air source heat pumps for space and water heating
- High-efficiency HRV
- Rooftop solar PV

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

- under-slab insulation in basement

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





# Eco-Solar Home Tour 2024

## Blatchford NZE (2)

This show home serves to introduce an affordable Net Zero Energy (NZE) solution for multi-unit residential buildings (MURB), plus showcase the capabilities of a net zero home and educate home buyers. Our net zero homes offer excellence without increasing the cost, making them attainable for the average homeowner with no changes to their lifestyle. This home offers the utmost comfort, health, energy efficiency and security. Over time, the home produces the energy required to offset consumption, lowering the home's energy bills and putting future generations first. This home is a multi-unit residential building that stands as a leading example of the future of home building and the benefits of efficient features.



### What features save on energy costs?

- 2x6" Wall @ 600mm O.C. w/ R22 Batt and 1" XPS rigid insulation
- 30" Blown Fibreglass Insulation in the attic
- R14 Roxul behind 2x6 frost wall w/ R22 in cavity for basement wall
- 3" Type-II EPS rigid insulation under basement slab
- Triple Glazed, 2 LowE, Argon Filled PVC windows with insulated spacer
- Cold climate air source heat pump for space heating
- Heat pump electric water tank
- High-efficiency HRV



### What features save on water costs?

- Drain Water Heat Recovery
- Low-flow shower heads and faucets

### Other special features

- 9kW rooftop solar PV system to offset all annual energy consumption of the unit
- Poly on party walls — compartmentalization
- The building was prefabricated in the factory

