



Eco-Solar Home Tour 2026

13th June, Saturday, Noon to 5 pm

Blatchford NZE



Tour Day: 13th June, Saturday

Address:

Hosts: Landmark Homes

Parking: On street

Energuide Rating: 0 GJ/yr



Summary points why people need to see your home

- Affordable Net Zero Carbon home
- Exceptional energy performance – 100% more energy efficient than the minimum requirements of the Alberta Building Code
- 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 Net Zero Energy (NZE) design incorporating state-of-the-art all-electric systems and airtight insulation for enhanced energy efficiency, year-round comfort, and reduced heat loss.
- Compartmentalization in multi-family buildings

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

- High-performance building envelope
- Hi-velocity air distribution 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 (DWHR)
- Air source heat pumps for space and water heating
- High-efficiency heat recovery ventilation (HRV)
- 20+ solar PV panels

Are there main items that they can't see?

- under-slab insulation in basement





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Why is this home on the tour?

This show home serves to introduce an affordable Net Zero Energy solution for multi-unit residential buildings (MURB), showcasing the full capability of a net zero carbon home. Our net zero homes deliver exceptional performance while remaining attainable for the average homeowner, seamlessly fitting into everyday life while delivering the utmost comfort, health, and energy efficiency. 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 Fiberglass 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
- Drain Water Heat Recovery
- Low-flow shower heads and faucets



- **Other special features found in Blatchford's Net Zero homes**
- 9kW rooftop solar PV system to offset all annual energy consumption of the unit
- sonnenCore+ 20 kWh battery included
- Virtual Power Plant (VPP) technology digitally linking sonnen batteries to form a single renewable power plant, capable of deploying enough stored energy to reduce the use of fossil fuels and lowering CO2 emissions.

