

**CHANGE
FOR
CLIMATE**

Edmonton



Butterwick



Eco-Solar Home Tour 2020

Saturday 6 June, Noon to 4:30 pm

Idylwyld NZE Home

Tour Day: Saturday 6 June

Address:

Hosts: Effect Homes

Parking: On street

Energuides Rating: 0 GJ/yr



Summary points why people need to see your home

- Excellent showcase for future of Net Zero Energy homes.
- Sustainable alternative energy solution for home and vehicle
- Decorative concrete floor adds passive thermal heating
- Highly efficient heating and ventilation system.

What will people see and learn about at your home?

- A charger/inverter to help future-proof the home.
- Display of an extremely durable and efficient wall system.
- Features that support reduced mobility

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

- Combined car charger/PV inverter.
- 52 module PV solar array.
- Air source heat pump heating system.
- Decorative concrete floor.

Are there main items that they can't see?

- Wall system is fully finished; however, a display will be available to help illustrate construction method.





Eco-Solar Home Tour 2020

Idylwyld NZE Home

Why this home is on the tour.

This Net Zero Energy custom home showcases a unique new technology of solar energy management. The two electric car chargers that are installed allow the homeowners the ability to charge electric vehicles up to six times faster than a standard Level 1 charger through an innovative system that utilizes grid and PV charging simultaneously. The home is constructed to conserve energy with a list of high-performance components. A well-insulated structure, a stained concrete floor to capture passive solar energy, a highly efficient Air Source Heat Pump, and a 52 panel 16.9 kW solar array are just a few of the features displayed.



What features save on energy costs?

- BASF HP+ wall system for airtightness and excellent thermal insulation.
- Highly efficient heating/ventilation system with Air Source Heat Pump and heat recovery ventilation.
- Photovoltaic array that meets the energy needs of the home plus two electric cars.
- Triple glazed windows
- Low energy use appliances.
- Net zero energy home in urban setting
- Disconnected from the gas grid
- ICF foundation

Other special features

- New technology that combines both an electric vehicle charger and PV inverter
- Custom home built with limited-mobility features.
- House is zero threshold with wheelchair access considerations.

