



Eco-Solar Home Tour 2022

Saturday 11 June, 10 am to 5 pm

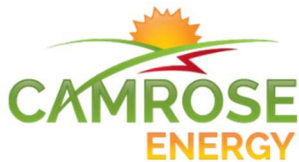
Balzac Wind Turbine Home

4 Elements

www.4Elements.eco



Calgary



Tour Day: Sat 11 June

Address: 262107 RR

293 Balzac

Hosts: Homeowners

Parking: In Driveway

Energuide Rating: N/A



Summary points why people need to see your home

- 1.5 kW Windmill
- Hybrid & EV vehicles
- Solar PV system
- Solar thermal system
- Water collection pond

What will people see and learn about at your home?

- Solar panels that can produce 50,000 kms worth of driving yearly
- A grid-tied electric windmill
- A large, sophisticated water collection system
- The use of insulation for more than just energy savings!





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Balzac Wind Turbine Home

Why is this home on the tour?

This house is built on 4 acres with over 200 trees and a windmill. A large pond at the back of the house collects rainwater and spring runoff to be used to water plants in the summer. 17 Solar panels were installed on the roof. We purchased a Nissan Leaf EV to demonstrate the feasibility of producing enough solar fuel to power a car for a year. There are 2 vehicle chargers in the garage. The family vehicle fleet includes 2 EV's and 1 plug-in-hybrid. I have taught high school classes about my electric cars and would be very interested in teaching both adults and kids about EV's and hybrid vehicles.



What features save on energy costs?

- Blown-In Insulation
- HRV
- Double glazed argon filled windows
- 17 panel, solar PV system
- On demand water heater
- Thermal solar water heater
- Under-slab heating for basement
- All LED Lights

What features save on water costs?

- Retaining pond for rain and melting snow.
- Low flow toilets

Other features

- Planted over 200 trees
- 2 EVs and 1 plug in hybrid

