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windows + doors

SOLAR
CLUB



Eco-Solar Home Tour 2020

Saturday 20 June, Noon to 4:30 pm

The Crossings EE Home

Tour Day: 20 June 2020

Address:

Hosts: Homeowners

Parking: On street

Energuides Rating: n/a



Summary points why people need to see your home

- Location; the main windows face south with a huge sports field in front and a view of the Rocky Mountains in the west.
- Amenities are a short walk ie: library, grocery store, restaurants
- Show people how to make their homes more energy efficient.

What will people see and learn about at your home?

- Comparison of energy usage of this home compared to others.
- Solar panels are a good investment.
- Low energy thermostat saves a great deal of energy.
- An electric car is ideal for commuting in Lethbridge
- Drought resistant landscaping uses less water than lawns.
- Insulating the concrete basement floor saves on heating.

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

- Drought resistant landscaping
- Compost to help soil water retention
- Insulated (non-heated) garage with 2 electric car chargers
- Composters, and insulated basement sub floor.
- Roof overhangs allowing sun in winter and shade in summer.
- 3 rain barrels





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The Crossings EE Home

Why is this home on the tour?

We put our home on tour at the encouragement of our neighbour, Brian. His home was designed for energy efficiency. The technology we incorporated was due to Alberta Government incentives such as low flow shower heads, LED lighting, a NEST thermostat, and solar panels. We want to show home owners that they do not need special net zero construction to have an energy efficient home. This home was built by Amron Homes around 2016 with 2X6" framing and standard fibreglass insulation in the walls. The attic space has fibreglass insulation with blown in insulation on top of the fibreglass insulation. The concrete basement floor is covered with Amdry insulated sub floor that helps keep the basement warm. The landscaping is drought resistant with gravel water retention base under the sidewalk blocks. The garage has reflective insulation on the ceiling, and houses our electric car for charging.



What features save on energy costs?

- Solar panels
- LED lighting
- The NEST thermostat.

What features save on water costs?

- Low flow shower heads
- Drought resistant landscaping
- Gravel water retention bed under sidewalk blocks, and rain barrels



Are there any other special features you want to highlight?

- Amdry subflooring in basement
- Electric car and 2 types of EV chargers
- I am experimenting to see if reflective insulation will make a difference in the garage.

