



Eco-Solar Home Tour 2019

Sunday 9 June Noon to 4:30 pm

Rocky Ridge NZE Home

Tour Day : Sunday Jun 9th

Address:

Hosts: Homeowners

Parking: Available on Street

Energuide Rating: Certified NZE, plus **International Living Future Institute:**

First NZ certified home in Canada and first in climate zone 7 or colder



Summary

- Not just NetZero – the home addresses indoor air quality, reduced resources in construction, water conservation such as rainwater harvesting and reuse, energy efficiency such as LED lighting and appliances, cold pantry innovation, waste reduction in construction
- Architecturally attractive net zero home
- One of 13 Equilibrium Homes in the CMHC program

What will people see and learn about at your home?

- Radiant electrical heating
- Exterior wall truss construction
- Cost-effective combined 2 lb spray foam and cellulose insulation
- Low-tech cold pantry
- Simplicity of heating and mechanical systems
- Rain water harvesting and re-use
- Interior daylighting
- Natural air conditioning

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

- How the house achieved 60% passive solar heating
- Use of recycled or re-purposed materials
- How the house was designed to adapt to changes in the owner's requirements and family



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Rocky Ridge NZE Home

Why is this home on the tour?

We think people need to experience how a NetZero/Passive House feels, if only for an hour or so, and have an opportunity to ask the owner questions and why they love their home. It may also attract back some of the 3,000 or so people who visited the home while it was under construction

What features save on energy costs?

- Minimal envelope penetrations
- Ghost electrical loads kill switch
- Very high efficiency appliances and condensing clothes drier
- Natural ventilation
- Passive Solar contributes 60% of heating loads, specialized glass technology
- All LED and green fluorescent fixtures
- Natural daylighting

What features save on water costs?

- Low flow fixtures
- Water efficient appliances
- Rainwater harvesting and re-use system
- Native, drought resistant landscape

Are there any other special features you want to highlight?

- Landscape – drought resistant, over 38 native plant species
- Electric car with type 2 charger installed when home was constructed
- One of 25 high performance homes in the EchoHaven community

