



ecogen

ENERGY & BUILD

EcoGen Energy is now involved in building homes to the PASSIVE HOUSE standard, which means homes that are extremely comfortable, healthy, economical, sustainable and constructed to use up to 90% less energy than a traditional one. All of our homes are super-insulated and extremely air tight (minimum 0.6 ACH 50). Other optimal features:

- Thermal mass, high-performance windows
- Orientation, shading (building and environmental)
- Natural interior air circulation
- Pre-heating / cooling of ventilation air
- Low environmental impact materials and techniques (cellulose, min foam, ventilation pre-heat / cool)
- Low VOC
- Drainwater Heat Recovery
- Domestic Hot Water Recirculation
- Electrical Kill Switches
- Rainwater collection, storage and distribution to toilets and exterior points
- Built-in recycling centre
- Solar PV
(grid-tied and off-grid) / solar ready
- Root cellar

In-house Capabilities Design and installation

- Passive House Design
- HVAC design for low energy homes
- Solar PV: Net metering, off-grid and grid-interactive
- Integrated solar water and heating systems



Green buildings are designed to reduce the overall impact of the built environment on human health and the natural environment by:

- Efficiently using energy, water, and other resources
- Protecting occupant health and improving employee productivity
- Reducing waste, pollution and environmental degradation

Have Questions?
Contact us!

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