

Alliston & District Humane Society - Shelter Building, On

Green Facts - Building Uses No Fossil Fuel Green House Gas Emitting Energy, Resulting In - Carbon Neutral Status

LOCATION : 5545 Conc. Rd #4, Adjala-Tosorontio Township, Alliston, Ontario

CLIENT REFERENCE: Geothermal Solutions
The Michael Thomas Group
Alliston & District Humane Society.

CONSULTANT: **Geothermal**
ABS Advanced Buildings Solutions.

Imran Majeed, P.Eng
Consulting Engineer

PROJECT SERVICES:

- Geothermal System Design & Engineering.
- Sustainable & Energy Efficient Design
- Energy Modeling
- Mechanical/Electrical Design.
- Government Incentive Facilitation



Based on energy saving, we anticipated that after implementing overall building energy efficiency upgrades including geothermal, the building saves approximately **31 tons** annually in greenhouse gas emissions.

NOTABLE FEATURES:

The Green building features include:

- Horizontal Geothermal system to support 10 tons of building energy demands.
- Solar lighting system to supplement the hydro power.
- Energy Recovery ventilation system to temper the fresh air.
- HVAC system - High efficient geothermal heat pumps.
- Humidification system for office areas.
- Underground Septic System of capacity 1500 gallons for the collection of waste with filtration & pumping system to disperse the filter water into the ground.
- Low flow plumbing fixtures throughout.
- Ground Well water system
- The public corridors illuminated with high efficient LED lighting luminaries.

Our Point of Difference:



GEOEXCHANGE - The Buried Treasure
Which admire Environment & which helps to achieve Carbon Neutral Status with respect to Operating Energy.

AWARD: Received Appreciation Letter from Client.

