



Heat pumps

use energy equivalent of a hair dryer

37,438 kWh

energy savings



GEOHERMAL HEAT PUMPS AND T5s SAVE OVER 37,000 kWh

Miller Home Building Centre

Sauble Beach, Ontario

- Installed geothermal heating and cooling in store and T5 lighting in warehouse areas

Equipment

6 5-ton closed-loop geothermal heat pumps

36 4-lamp T5 fixtures with electronic ballasts

Verified Savings

Heating & Cooling
Demand savings
10.008 kW

Energy savings
10,008 kWh

Lighting
Demand savings
5.724 kW

Energy savings
27,429 kWh

Incentives

High Performance New Construction
incentive: \$6,756





Miller Home Building Centre provides Sauble Beach with one-stop shopping for hardware, building supplies and interior décor. The centre includes a 31,000 square foot store and 34,000 square feet of covered warehouses.

Miller Home Building Centre has been in Sauble Beach since 1985. In 2010, they consolidated two previous locations into one larger centre. Since they work with builders daily, they were well aware of the benefits of building in energy efficiency right at the specification stage.

Geothermal heating and cooling system is extremely energy efficient

Miller was able to take advantage of the large parking area and yard to bury the pipes for the six heat pumps that provide both heating and cooling. The low water table creates an ideal environment, keeping the pipes submerged in a cool flow of water at a relatively constant temperature.

After installation, the manufacturer verified the energy consumption of the heat pumps and determined that each pump takes the power equivalent of a standard hair dryer.

T5 lighting is energy efficient and durable

In the covered warehouses Miller chose T5 fixtures with electronic ballasts. In addition to the energy savings, the T5s are resilient in extreme summer and winter temperatures and stand up well to dust.

Under the **High Performance New Construction** program, the incentives were \$6,000 for the geothermal heating and cooling system and \$756 for the T5 lighting.

SOLUTIONS TO HELP YOU BECOME MORE ENERGY EFFICIENT

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