

## PRICE LIST - FULL GEOTHERMAL - 2019

The following pricelist is for a complete geothermal system installation on a new construction Cottage at Cottage Club.

The geothermal design and pricing are optimized for a typical Cottage at Cottage Club. The borehole fields and geothermal heat pumps are sized to heat, cool and pre-heat domestic hot water for cottages with a footprint of around 600sqft, maximum two storeys with developed and heated crawlspace.

Stage 1: Geothermal vertical borehole installation - To be completed before construction starts:




- Drill two (2) boreholes to 300ft deep each
- Supply and install each borehole with pre-fabricated and pressure tested HDPE geothermal loop. All loops CSA448 certified geothermal.
- Grouting of each borehole
- Pressure test and capping each geothermal loop after installation.

Price: \$ 12,950.00 plus GST.

Stage 2: Geothermal field hook-up, mechanical installation and start-up:

Homeowner or builder can decide between options:

1. Geothermal Forced Air Heating & Cooling system installation
2. Geothermal Hydronic Heating system installation (for in-floor radiant)
3. Geothermal Combination Forced Air Heating & Cooling + Hydronic heating.

Option	Geothermal system		Additional included	Price
Option 1: Forced air	R-Series		<ul style="list-style-type: none"> <li>• 1 x NEST or equivalent SMART WiFi thermostat</li> <li>• 5KW Back-up Plenum Heater</li> <li>• Domestic hot water tank with geo assist</li> </ul>	\$ 17,750.00
Option 2: Hydronic	W-Series		<ul style="list-style-type: none"> <li>• 1 x infloor buffer tank ECO-ULTRA with 4.5KW backup</li> <li>• 1 x Circ pump between GEO and buffer tank</li> <li>• HBX ECO0550 Aquastat controller</li> <li>• Domestic hot water tank with geo assist</li> </ul>	\$ 19,500.00
Option 3: Combo	TF-Series		<ul style="list-style-type: none"> <li>• 1 x NEST or equivalent SMART WiFi thermostat</li> <li>• 5KW Back-up Plenum Heater</li> <li>• Infloor buffer tank</li> <li>• GEN2 Aquastat controller</li> <li>• Domestic hot water tank with geo assist</li> </ul>	\$ 23,350.00

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All installations include:

- Obtaining required permits from MD of RockyView for geothermal
- Heating and cooling loads analysis on completed Cottage drawings
- Geothermal borehole tie-in and header pressure test
- Mechanical room installation of all geothermal equipment and pump module
- Insulated 50 USG Electric hot water tank integrated with geothermal desuperheater
- Field commissioning and start-up of geothermal system

The following items are optional:

Optional Items		Additional included	Price
Dual Tank Domestic Hot water tank set up		<ul style="list-style-type: none"> <li>• Increases usage and savings from geothermal domestic hot water</li> </ul>	\$ 1,250.00

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Not standard included are:

- Any electrical
- Header trench; this will typically consist of a small trench (approx. 30ft) 6ft deep and can be dug at the same time while doing main excavation.
- Sheet metal ductwork & ventilation (can be provided upon request)
- Infloor piping and zoning (can be provided upon request)

Terms:

- Prices do not include GST.
- All pricing remains valid until further written notice by Thermal Creek Ltd. A minimum 30-day price change notification is typically observed.
- Pricing for new construction Cottage only. Accessory buildings will be quoted separately.
- Stage 1: 50% deposit and 50% upon completion of drilling.
- Stage 2: 50% upon delivery of heat pump and 50% upon completion of installation.

**Warranties**

Thermal Creek provides a two-year parts & labour warranty on the entire geothermal installation from date of installation completion.

The Canadian NORDIC® heat pumps come with environmentally friendly R410A refrigerant and a dual stage scroll compressor.

Manufacturer’s warranty of all major refrigeration components (including compressor): 10years

All other parts: 5-year

Thermal Creek Ltd. rep

Client

Date

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(signature)

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(dd/mm/yyyy)