

## Geothermal Case Study

Name	Callie
Address	Conewango
Sq Footage	2,100
Loop Field	Horizontal
2023 Savings	\$2,220.01
Payback Period	9 years



### Reason for Considering Geo:

Energy efficiency, environment, and high cost of propane.

#### Previous Heating Source Data:

Type: Propane

Annual Usage: 935 gallons

Cost (@ \$2.79/gallon): \$2,608.65

#### 2023 Geothermal Heating Data:

Type: Electric

Annual Usage: 2,429 kWh

Cost (@ \$0.16/kWh): \$388.64

### System Details & Savings Calculation:

System Cost (pre-incentives): **\$43,500**

System Cost (post-incentives): **\$20,021.50**

Savings: \$2,608.65 - \$388.64 = **\$2,220.01** Payback Period: **\$20,021.50 / \$2,220.01** = 9 years

#### Notes:

If Callie had not installed geothermal, she would have spent over \$2,600 this year on propane for heating. Instead, she spent \$388.64 on electric for her heating through geothermal. This resulted in a savings of just over \$2,220 last year! What's more, is that her home originally didn't have air conditioning. She now has AC through the geothermal system, and the cost of that AC is included in the \$388 she spent on electricity. So not only did she save over \$2,220 last year, she also had AC for the first time as well!

Geothermal lets you do more for less. A lot less.