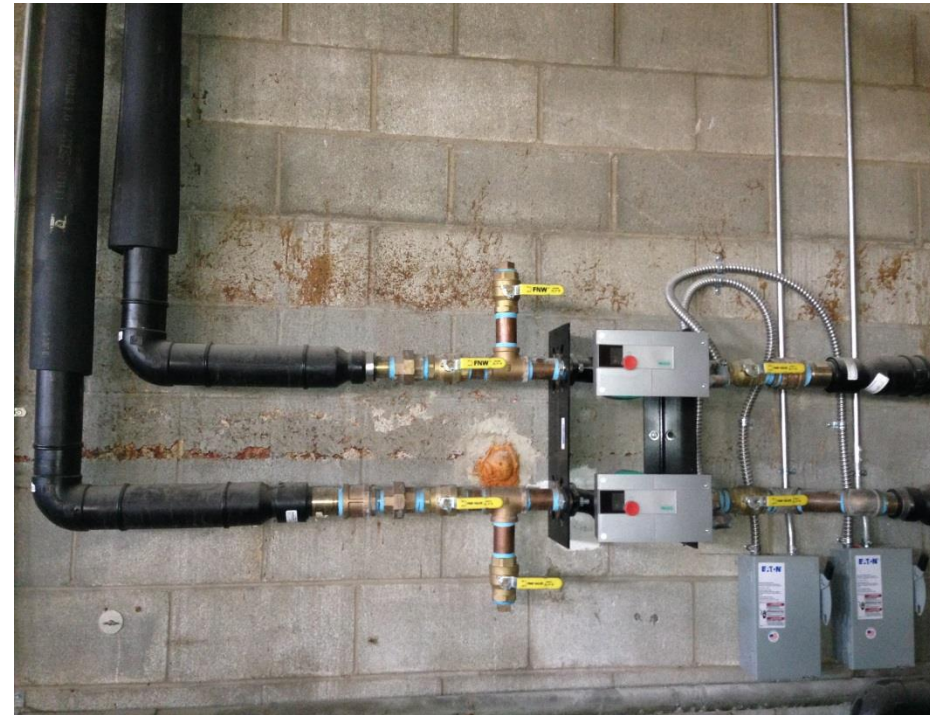


In July 2012 Geothermal HVAC was installed in our own office



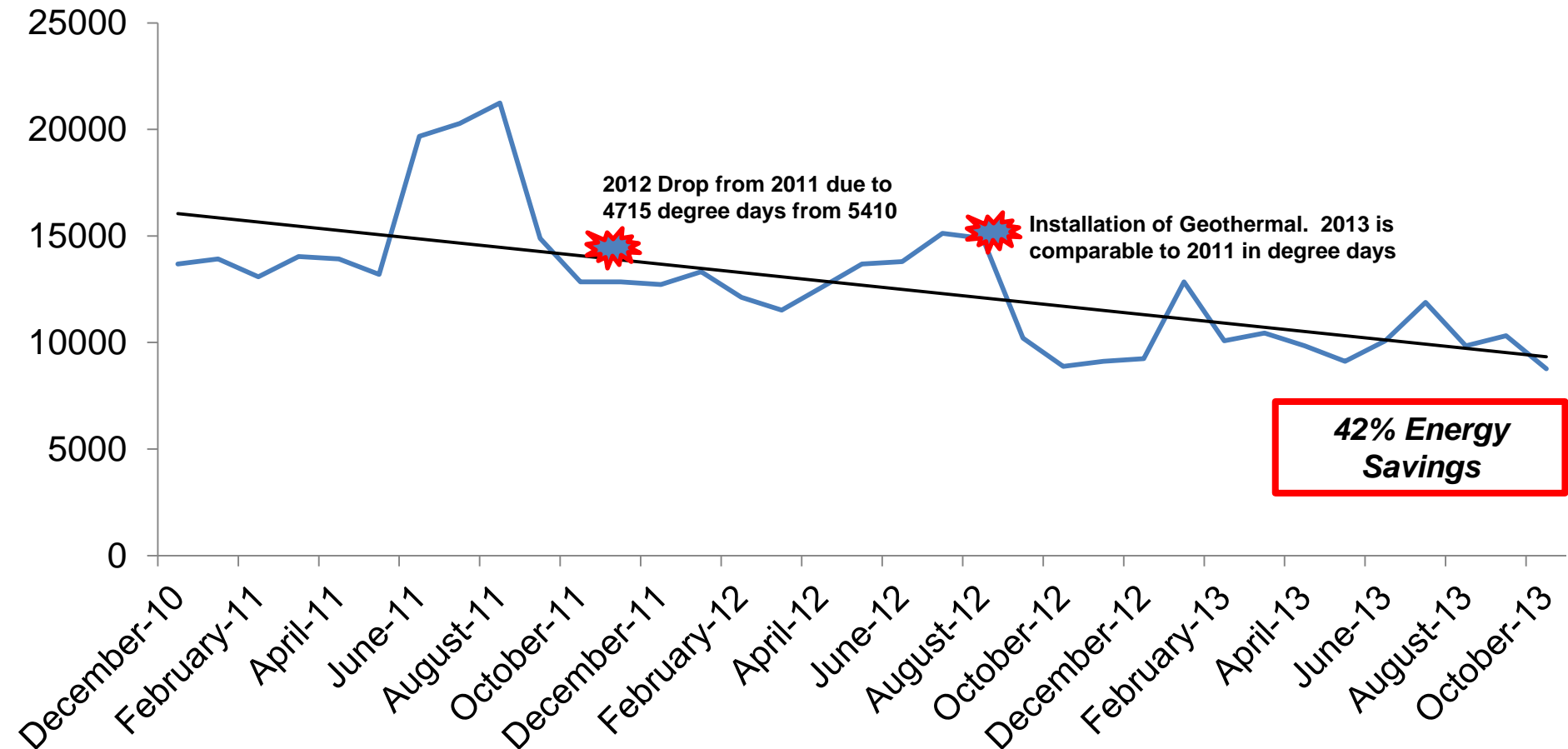
14 bores 300 feet deep supply the heat transfer to heat & cool our offices 100% of the time



Piping coming into the building and the associated flow control

The results have been impressive for energy savings

kWh Usage by Month



And subsequently financial savings

Original Cost	\$ 141,176.00
Tax Credit	10%
After tax-credit cost	\$ 127,058.40
TVA incentive	\$ 1,000.00
Total Final Cost	\$ 126,058.40
Savings/year	\$ 12,466.18
Years to payback	10

Note that this analysis does not account for any rate increases in Kwh, cost of capital. Savings were calculated accounting for degree days (weather effect) and staff headcount (change in demand load)

And societal savings every year equivalent to:

Greenhouse gas emissions from

7.5



passenger
vehicles

13.5



tons of waste
sent to the
landfill
instead of
recycled

CO₂ Emissions from

4,039



gallons of
gasoline
consumed

5



homes'
electricity use
for one year

Carbon Sequestered from

29.5



acres of U.S.
forests in one
year