

Savings Report - 1324 Patterson Plank Road

Customer Name: SPM Management (on behalf of Magnatech USA LLC)

Todays Date: 22/06/22

Dates of Trial: 02/01/21 - 06/01/22

With Magnatech (A)	
Feb - Mar	2871
Mar - Apr	2181
Apr - May	1261
May - Jun	646
Total kWh	6959

Without Magnatech (B)	
Feb - Mar	3486
Mar - Apr	2252
Apr - May	1110
May - Jun	561
Total kWh	7409

Degree Days Explained

Degree days are calculated by comparing the average temperature in a location to a baseline temperature, which is typically around 65 degrees Fahrenheit. If the average temperature is higher than the baseline temperature, the degree days are “cooling degree days,”

which means that energy will be needed to cool the building. If the average temperature is lower than the baseline temperature, the degree days are “heating degree days,” which means that energy will be needed to heat the building.

Total Consumption A	Total Consumption B
A = 17988.00	B = 19637.00
Using degree days figures from ‘closest weather station’ set at 65°F. (www.Degreedays.net)	
Total Degree Days in Period A	Total Degree Days in Period B
Period A = 849.63	Period B = 836.6
Dividing total consumption by degree days = fuel burnt per degree day.	
Period A = 21.1715688	Period B = 23.47238824
Reduction of consumption per HDD	
HDD Reduction = -2.300819438	
Reduction in Period A divided by Consumption in Period B *100 Gives you a percentage reduction figure:	
Percentage Reduction = 9.8%	
This proves a considerable reduction in fuel consumption over the comparable heating periods after the Magnatech units were installed.	

Weather Station Data KEWR_HDD_65°F (1)	
Description:	Celsius-based heating degree days with a base temperature of 65°F
Source:	www.degreedays.net
Accuracy:	No problems detected
Station:	Newark, NJ, US (74.17W,40.69N)
Station ID:	KEWR
Month Starting:	HDD 65°F
02-01-2021	415.5
03-01-2021	257.7
04-01-2021	121.5
05-01-2021	41.9
836.6 TOTAL	
02-01-2022	370.70
03-01-2022	282.3
04-01-2022	154.73
05-01-2022	41.81
849.63 TOTAL	