

Savings Report - 918 James Street - Syracuse

Customer Name: 918 James Street - Syracuse (on behalf of Magnatech USA LLC)

Todays Date: 25/07/23

Dates of Trial: March - June 2023

With Magnatech (Mar - Jun 23) Period A	
Mar - Apr	14035
Apr - May	8580
May - Jun	6925
Total Therms	29540

Without Magnatech (Mar - Jun 22) Period B	
Mar - Apr	13868
Apr - May	10383
May - Jun	6966
Total Therms	31217

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 = 29540	B = 31217
Using degree days figures from ‘closest weather station’ set at 16.5°C. (www.Degreedays.net)	
Total Degree Days in Period A	Total Degree Days in Period B
Period A = 455.3	Period B = 434.4
Dividing total consumption by degree days = fuel burnt per degree day.	
Period A = 64.8802987	Period B = 71.86233886
Reduction of consumption per HDD	
HDD Reduction = -6.982040154 Reduction in Period A divided by Consumption in Period B *100 Gives you a percentage reduction figure:	
Percentage Reduction = 9.7% This proves a considerable reduction in fuel consumption over the comparable heating periods after the Magnatech units were installed.	

Weather Station Data KEWR_HDD_16.5°C (1)	
Description:	Celsius-based heating degree days with a base temperature of 16.5°C
Source:	www.degreedays.net
Accuracy:	Estimates were made to account for missing data: the “% Estimated” column shows how much each figure was affected
Station:	Syracuse Hancock Intl Airport, NY, US (76.11W,43.11N)
Station ID:	KSYR
Month Starting:	HDD 16.5°C
Mar - Jun 22	434.4
Mar - Jun 23	455.3