

Cheaper than Gas?

Office Heating Cost Nov. 1, 2006 to April 30, 2007

Winter 2006-07	Gas	Electricity	KWH	Gas & Electr. Combined
Nov-06	\$ 85.24	\$ 172.31	1352	\$ 257.55
Dec-06	\$ 105.85	\$ 182.04	1576	\$ 287.89
Jan-07	\$ 138.17	\$ 218.12	1760	\$ 356.29
Feb-07	\$ 164.85	\$ 238.20	1934	\$ 403.05
Mar-07	\$ 105.62	\$ 269.20	2203	\$ 374.82
Apr-07	\$ 30.19	\$ 276.58	2267	\$ 306.77
Service May-Oct	\$ 132.00			\$ 132.00

Redwell Office Test using only Redwell Infrared Heaters

Winter 2007-08	Gas	Electricity	KWH	Difference
Nov-07	\$ 0.00	\$ 208.08	1742	\$ (49.47)
Dec-07	\$ 0.00	\$ 346.94	3052	\$ 59.05
Jan-08	\$ 0.00	\$ 326.85	2867	\$ (29.44)
Feb-08	\$ 0.00	\$ 385.77	3409	\$ (17.28)
Mar-08	\$ 0.00	\$ 433.50	3848	\$ 58.68
Apr-08	\$ 0.00	\$ 290.33	2531	\$ (16.44)

Nov 1, 2007 to April 30, 2008

Diff KWH	Degree Days			Mean Temperature	
	2006	2007	2007-2008	2006	2007-2008
390	392	481	4.9	2 Colder	
1476	519	668	1.3	-3.6 Colder	
1107	673	647	-3.7	-2.9 Warmer	
1475	751	654	-8.8	-5.8 Warmer	
1645	569	646	-0.4	-2.8 Colder	
264	368	272	5.8	9 Warmer	
	Total	Total	Average	Average	
6357	3272	3368	-0.15	-0.68	

Total: \$ 761.92 \$ 1,356.45 11092 \$ 2,118.37

\$ 0.00 \$ 1,991.47 17449 \$ 5.10

Heating Degree Days is the cumulative number of degrees in a month or year by which the mean temperature falls below 18.3°C. To calculate the heating degree days for a particular day, find the day's average temperature by adding the day's high and low temperatures and dividing by two. If the number is above 18.3°C, there are no heating degree days that day. If the number is less than 18.3°C, subtract it from 18.3°C to find the number of heating degree days.

Mean temperature is the average temperature for the month

We realize that this is not a "Scientific Test" under controlled conditions, but it was a real life test in a working environment. All figures are as accurate and we could make them.

The results show that the costs of heating with Redwell Infrared Heaters and natural gas are basically the same. If you add in the 6 months that we pay a service charge (@\$22.00/Mth) for just having gas it will be cheaper.

If you compare the 2 winters, the degree days are only 3% different and the mean temperature is only slightly colder by .5 of a degree.

Overall we think that this will be a typical result. The cost of electricity is not rising at anywhere near the rate of Gas or Propane or Oil and so you will continue to save \$ in the future.