

Energy Consumption Study

The Property

MWRAD Ltd The economy radiator company

Unit M, Middlemor Business Park,
Dalton YO7 3BQ

7000 sq feet warehouse with 3 phase
electric (3 x domestic supply)
120 sqm offices (portacabins)

Electrical Appliances

8 radiators 1750 watt each
running 24 hr / 7 days = 14kw
Temperature is 19 degrees Mon to
Fri 9 to 6pm
all other times 15 degrees.

The energy consumption of the following
main electrical appliances are also
included in the figures.

- 2 x electric roller doors
- 2 x electric fork lifts
- 8 staff with computers / printers etc

Our Conclusion

Based on accumulative consumption over a
period of time the average cost per month
= **£178.27 (2012 actual)**

£194.15 (estimate 2013 if you pay 11p)

£211.80 (estimate 2013 if you pay 12P)

A higher rate and you really should shop
around on comparison websites such as
www.ukpower.co.uk

This calculation is what we actually
achieved in 2012 and is merely intended
as an example.

Average running costs from around 1p to 2p per hour using live data

Date of reading	New Meter Reading kw Accumulative	days	kw units per day	Price paid 10.1 p kwh	cost per day 14 kw +	cost per hour 14kw +	cost per kw per hour (div by 14 kw)
09.01.12	Zero						
19.01.12	1220	10	122	£123.22	£12.32	£0.51	£0.0367
23.01.12	1537	4	79	£32.02	£8.00	£0.33	£0.0238
31.01.12	2261	8	91	£73.12	£9.14	£0.38	£0.0272
09.02.12	3339	9	120	£108.88	£12.10	£0.50	£0.0360
15.02.12	3934	6	99	£60.10	£10.02	£0.42	£0.0298
24.02.12	4645	9	79	£71.81	£7.98	£0.33	£0.0237
08.03.12	5483	13	64	£84.64	£6.51	£0.27	£0.0194
20.03.12	6157	12	56	£68.07	£5.67	£0.24	£0.0169
02.04.12	6748	13	45	£59.69	£4.59	£0.19	£0.0137
24.04.12	8022	22	58	£128.67	£5.85	£0.24	£0.0174
01.05.12	8401	7	54	£38.28	£5.47	£0.23	£0.0163
31.05.12	9601	31	39	£121.20	£3.91	£0.16	£0.0116
30.06.12	10635	30	34	£104.43	£3.48	£0.15	£0.0104
30.07.12	11645	30	34	£102.01	£3.40	£0.14	£0.0101
31.08.12	12630	31	32	£99.49	£3.21	£0.13	£0.0096
30.09.12	13675	30	35	£105.55	£3.52	£0.15	£0.0105
28.10.12	15153	28	53	£149.28	£5.33	£0.22	£0.0159
30.11.12	17561	30	80	£243.21	£8.11	£0.34	£0.0241
02.01.13	20180	33	79	£264.52	£8.02	£0.33	£0.0239
31.01.13	22651	29	85	£249.57	£8.61	£0.36	£0.0256
Totals	22651	385	59	£2,287.75	£5.94	£0.25	£0.0177

Based on accumulative consumption over a period of time the average
cost per month = **£178.27**

Note :

This measurement covers ALL electric not just radiators but **100% of all our commercial consumption**. The analysis assumes all consumption is via the radiators which clearly is an unfair judgement of the device.

With this in mind it is a very impressive result isn't it ? The meter readings are real and anyone is free to inspect the meter.

Please check your current electric rate and do the maths yourself.

Check current rates on comparison websites such as www.ukpower.co.uk

Beware 60% of the population is paying a price 30% higher than they should have to. Shopping around is paramount as you could be one of the 60%.

At September 2013 prices were fluctuating around 10 to 12p.

cost per hour for a 1kw heater

