

COMPARATIVE DOMESTIC HEATING COSTS - THE MIDLANDS - MAY 2006 **SPACE AND WATER HEATING FOR HOUSES**

FUEL	Unit cost pence (Inc VAT)	Type of heating system	Average system efficiency %		Cost per useful kWh pence (4)	Annual standing charges (Inc VAT)	Cost of service & running & circulating pump	Fuel Supplier Discount or %	Annual cost of space & water heating for average size houses		
			space	dhw					2 Bed (1)	3 Bed (2)	4 Bed (3)
SOLID FUELS	Wood Pellets - See Note (9) 900kg (inc delivery charge)	25000	Pellet Boiler	70	-	8.44					
			Radiators & DHW cylinder	-	30	19.70		35	1261	1667	2378
	Housecoal-Grade A 50 kg	885	Open fire with back boiler	60	-	3.54					
			Radiators & DHW cylinder	-	25	8.50	-	35	554	725	1025
	Anthracite Nuts 50 kg	1063	Room heater with back boiler	70	-	3.14					
FUELS			Radiators & DHW cylinder	-	25	8.80	-	35	520	679	951
	Man.Ovoids (Phurnacite) 50 kg	1402	Room heater with back boiler	70	-	4.41					
			Radiators & DHW cylinder	-	25	12.35	-	35	716	939	1320
FUELS	Anthracite Grains 50 kg	951	Gravity feed boiler	70	-	3.00					
			Radiators & DHW cylinder	-	30	7.01	-	35	471	615	868
ELECTRIC	Representative Supplier (Powergen)										
	First 900 units	a) 14.61	Electric radiators	100	-	8.97	0.00	-			
	Balance of Day Units	b) 8.97	Immersion water htr	-	70	12.82			1191	1582	2296
	Economy Seven Domestic Tariff (DD)										
	Price of first 800 day units	a) 16.46	Storage htrs, living rooms	90	-	4.39					
ELECTRIC	Balance of day units	b) 10.12	Electric rads, bedrooms	100	-	3.96					
	Night Units	c) 3.96	Immersion water htr, night	-	70	5.65					
	Night Use =90%		Immersion water htr, day	-	70	23.51	0.00	-	3%	651	859
						(4)				1240	
NATURAL GAS		a) 3.441		70	-						
		b) 2.553	Gas fired boiler	-	35	Note (8)		55	601	770	1071
	British Gas Direct Debit Tariff		Radiators & DHW cylinder	70	-						
				-	35						
	a) First 4,572kWh	a) 3.441	Gas fired condensing boiler	85	-	Note (8)		55	505	643	889
ALTERNATIVE SUPPLIERS	b) After 4,572kWh	b) 2.553	Radiators & DHW cylinder	85	-						
				-	45						
	Alternative Supplier		Gas fired boiler								
	Powergen Direct Debit Tariff	a) 3.156	Radiators & DHW cylinder	70	-	Note (8)		55	3%	565	727
	a) First 4,572kWh	b) 2.510		-	35						
ALTERNATIVE SUPPLIERS	b) After 4,572kWh	a) 3.156	Gas fired condensing boiler	85	-	Note (8)		55	3%	474	606
		b) 2.510	Radiators & DHW cylinder	-	45					840	
LPG	Propane 1 Litre	32.20 (5)	LPG fired boiler	70	-	6.47					
			Radiators & DHW cylinder	-	35	12.93	50.00 (6)	55	1001	1301	1835
LPG		32.20 (5)	LPG fired condensing boiler	85	-	5.33					
			Radiators & DHW cylinder	-	45	10.06	50.00 (6)	55	831	1075	1512
OIL	Kerosene	36.04 (7)	Oil fired boiler	70	-	4.97					
			Radiators and DHW cylinder	-	35	9.95	-	55	744	975	1386
OIL	1 Litre	36.04 (7)	Oil fired condensing boiler	85	-	4.10					
			Radiators and DHW cylinder	-	45	7.74	-	55	613	801	1137

Notes

- (1) Terraced 2 bedroom house, 9850 kWh space heating & 2000 kWh DHW heating.
- (2) Semi-detached 3 bedroom house, 13500 kWh space heating & 2500 kWh DHW heating.
- (3) Detached 4 bedroom house, 20750 kWh space heating & 3000 kWh DHW heating.
- (4) These costs/useful kWh are indicative only and may not be used in the calculation.
- (5) Fuel delivered to 1200 litre storage tank. Rental shown in standing charge column.
- (6) Includes tank provision and renewal, plus annual safety inspection
- (7) Fuel delivered in 1000 litre drop.
- (8) See GAS RUNNING COST CALCULATOR for example derivation of Cost/Useful kWh
- (9) New incorporation in tables. Initial indication only