

COMPARATIVE HEATING COSTS - NORTHERN ENGLAND - MAY 2006
SPACE AND WATER HEATING FOR HOUSES

F U U L	Unit cost pence (Inc VAT)	Type of heating system	Average system efficiency		Cost per useful kWh in pence	Annu standin charge 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)
S O L I D F U E L	Housecoal-Group A 50 kg	864	Open fire with back boiler Radiators & DHW cylinder	60 - 25	3.45 8.29	-	35		563	739	1047
	Cosycoke 50 kg	981	Room heater with back boiler Radiators & DHW cylinder	70 - 25	3.02 8.47	-	35		522	682	958
	Anthracite Nuts 50 kg	1055	Room heater with back boiler Radiators & DHW cylinder	68 - 25	3.21 8.74	-	35		547	716	1007
	Anthracite Grains 50 kg	902	Gravity feed boiler Radiators & DHW cylinder	70 - 30	2.85 6.65	-	35		467	611	864
E L E C T R I C I T Y	Representative Supplier (nPower - Quarterly Cheque)										
	Unit charge (first 728 units)	16.02	Electric radiators	100 -	10.62		-				
	Unit charge (after first 728 units)	10.62	Immersion water htr	- 70	15.17	0			1458	1948	2841
	Economy Seven Domestic Tariff (DD)										
	nPower										
	Price per Day Unit (First 800 units)(a)	22.83	Storage httrs, living rooms	90 -	4.47						
	Balance of Day Units (b)	11.80	Electric rads, bedrooms	100 -	4.02						
	Night Units (c)	4.02	Immersion water htr, night	- 70	5.74	0					
	Night Use =90%		Immersion water htr, day	- 70	32.61		-		771 (9)	1008 (9)	1443 (9)
N A T U R A L G A S		a) 3.441		70 - 35							
	British Gas		Gas fired boiler	- 35	Note (8)		55		624	803	1120
	Two tier	b) 2.553	Radiators & DHW cylinder	70 - 35							
	Direct Debit Tariff										
		a) 3.441		85 - 45							
	a) First 4,572kWh		Gas fired condensing boiler	- 45	Note (8)		55		524	670	930
	b) After 4,572kWh	b) 2.553	Radiators & DHW cylinder	85 - 45							
		a) 4.170		70 - 35							
	nPower		Gas fired boiler	- 35	Note (8)		55		596	748	1018
L P G	Two tier	b) 2.170	Radiators & DHW cylinder	70 - 35							
	Direct Debit Tariff										
		a) 4.170		85 - 45							
	a) First 4,572kWh		Gas fired condensing boiler	- 45	Note (8)		55		511	635	855
	b) After 4,572kWh	b) 2.170	Radiators & DHW cylinder	85 - 45							
		31.50 (5)	LPG fired boiler	70 - 35	6.33 12.65	50.00 (6)					
	Propane		Radiators & DHW cylinder	- 35			55		1022	1332	1883
		31.50 (5)	LPG fired condensing boiler	85 - 45	5.21 9.84	50.00 (6)					
			Radiators & DHW cylinder	- 45			55		849	1101	1552
O I L		36.35 (7)	Oil fired boiler	70 - 35	5.02 10.03						
	Kerosene		Radiators and DHW cylinder	- 35			55		782	1028	1465
		36.35 (7)	Oil fired condensing boiler	85 - 45	4.13 7.80						
	1 Litre		Radiators and DHW cylinder	- 45			55		645	845	1202

Notes

- (1) Terraced 2 bedroom house, 10500 kWh space heating & 2000 kWh DHW heating.
 (2) Semi-detached 3 bedroom house, 14400 kWh space heating
 & 2500 kWh DHW heating.
 (3) Detached 4 bedroom house, 22100 kWh space heating
 & 3000 kWh DHW heating.
 (4) Difference between Standard and Economy 7 Standing Charge
 (5) Fuel delivered to 1200 litre storage tank.
 (6) Includes tank provision and renewal, plus annual safety inspection
 (7) Fuel delivered to 2725 litre storage tank.
 (8) See GAS RUNNING COST CALCULATOR for derivation of Cost/Useful kWh.
 (9) See ELECTRICITY RUNNING COST CALCULATOR for derivation of Annual Cost for average dwelling