

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

FUEL	Unit cost pence (Inc VAT)	Type of heating system	Average system efficiency % space htg	DHW htg	Cost per useful kWh in pence	Annual standing charge (Inc VAT) £	Cost of maintenance & running circulating pump £	Annual cost of space & water heating for average size houses		
								2 Bed (1)	3 Bed (2)	4 Bed (3)
SOLID FUELS										
Housecoal - Grp 2 dbls 50 kg	1080	Open fire with back boiler Radiators & DHW cylinder	60	- 25	4.32 10.36	-	35	674	890	1261
Anthracite Nuts - Burnglo 50 kg	1125	Room heater with back boiler Radiators & DHW cylinder	70	- 25	3.73 10.46	-	35	618	812	1140
Anthracite Grains 50 kg	1130	Gravity feed boiler Radiators & DHW cylinder	70	- 30	3.57 8.33	-	35	558	736	1041
ELECTRICITY										
Standard Domestic Tariff - 1 Unit	11.02	Electric radiators, day Immersion water htr, day	100	- 70	11.02 15.74	0	-	1417	1914	2809
Economy 7 Tariff 1 Unit										
Night rate 95%	4.08	Storage htrs, living rooms	90	-	4.53					
Day rate 5%	11.07	Electric rads, bedrooms	100	-	11.07					
Night rate 100%	4.08	Immersion water htr	-	70	5.83	36.80 (4)	-	672 (8)	872 (8)	1233 (8)
NATURAL GAS										
Phoenix Natural Gas Home Energy Tariff (Including optional Direct Debit Discount)	a) 5.341 b) 3.554	Gas fired boiler Radiators & DHW cylinder	70	- 35	Note (7)	22.05 (DD disc)	59.50	784	1028	1454
a) First 2000kWh b) Balance kWh	a) 5.341 b) 3.554	Gas fired condensing boiler Radiators & DHW cylinder	85	- 45	Note(7)	22.05 (DD disc)	59.50	649	848	1197
PROPANE										
Propane 1 Litre	36.29 (5)	LPG fired boiler Radiators & DHW cylinder	70	- 35	7.29 14.58	60.00	55.00	1135	1485	2097
	36.29 (5)	LPG fired condensing boiler Radiators & DHW cylinder	85	- 45	6.00 11.34	60.00	55.00	942	1227	1728
KEROSENE										
Kerosene 1 Litre	35.27 (6)	Oil fired boiler Radiators and DHW cylinder	70	- 35	4.87 9.74	-	55	737	970	1379
	35.27 (6)	Oil fired condensing boiler Radiators and DHW cylinder	85	- 45	4.01 7.57	-	55	607	798	1132
Notes (1) Terraced 2 bedroom house, 10000 kWh space heating & 2000 kWh DHW heating. (2) Semi-detached 3 bedroom house, 13800 kWh space heating & 2500 kWh DHW heating. (3) Detached 4 bedroom house, 21200 kWh space heating & 3000 kWh DHW heating. (4) Difference between Economy 7 and Standard Domestic Tariff annual standing charge. (5) Fuel delivered to 1200 litre storage cylinder. Rental shown in standing charge column. (6) 900 Litres of fuel delivered to 2725 litre storage tank. (7) See GAS RUNNING COST CALCULATOR for derivation of Cost/Useful kWh (8) See ELECTRICITY RUNNING COST CALCULATOR for derivation of Annual Cost for average dwelling										