COMPARATIVE HEATING COSTS - THE MIDLANDS - APRIL 2021
SPACE AND WATER HEATING FOR HOUSES
BUILT TO COMPLY WITH 1980S BUILDING REGULATIONS & SAP STANDARDS, UPGRADED

FUEL sold in units of	Unit cost in pence (Inc VAT)	Type of heating system	Build. Regs. Min 2020 Replacement / SAP default efficiencies (%) * — space	dhw	Cost per useful kWh pence (4)	Annual standing charges (Inc VAT) £	Cost of service & running circulating pump £	Fuel Supplier Discount £ or %	2 Bed (1)	3 Bed (2)	4 Bed (3)
SOLID FUEL											
Wood Pellets 1 Tonne (inc delivery charge)	30289.46	Pellet Boiler / Radiators & DHW cylinder	75 / -	- / 55	8.59 / 11.72			35.0	1116	1488	2170
Wood Logs (Kiln Dried Hardwood) 200kg (inc delivery charge)	8961.72	Independent log boiler / Radiators & DHW cylinder	75 / -	- / 55	11.95 / 16.29	-		35.0	1538	2055	3003
Wood Pellets 1 Tonne (inc delivery charge)	30289.46	Room heater with boiler / Radiators & DHW cylinder	75 / -	- / 55	8.59 / 11.72	-		35.0	1116	1488	2170
Wood Logs (Kiln Dried Hardwood) 200kg (inc delivery charge)	8961.72	Room heater with boiler / Radiators & DHW cylinder	67 / -	- / 55	13.38 / 16.29	-		35.0	1678	2248	3299
ELECTRICITY											
Representative Supplier (E.on Energy) Single Tier Tariff a) (paying cash/cheque on Receipt of Bill)	18.24	Electric radiators / Immersion water htr	100.00 / -	- / 70	18.24 / 26.06	100.89	-	35 (8)	2384	3180	4633
		Ground Source Heat Pump / Underfloor	220.0 / -	- / 200	8.29 / 9.12		50.00		1050	1463	2110
		Radiators	175 / -	- / 200	10.42 / 9.12				1325	1751	2552
		Air Source Heat Pump / Underfloor	220.0 / -	- / 200	8.29 / 9.12		50.00		1115	1463	2110
		Radiators	175 / -	- / 200	10.42 / 9.12				1325	1751	2552
Economy Seven Domestic Tariff (paying by Direct Debit) Single Tier Tariff a) Night Units b) Night Use =90%	19.96 / 10.54	Storage htrs, living rooms / Electric rads, bedrooms / Immersion water htr, night / Immersion water htr, day	90.0 / 100.0 / - / -	- / - / 70 / 70	11.71 / 19.96 / 15.05 / 28.51	85.0	-	0 (9)	1663	2187	3177
NATURAL GAS											
British Gas Single tier, Direct Debit Tariff	3.02	Gas fired condensing combination boiler Radiators	90 / -	- / 75	3.36 / 4.03	95.8	55	0	562	705	968
	3.02	Gas fired condensing boiler Radiators & DHW cylinder	90 / -	- / 65	3.36 / 4.65	95.8	55	0 (9)	574	720	987
Alternative Supplier E.on Energy Direct Debit Tariff Single Tier	3.00	Gas fired condensing combination boiler Radiators	90 / -	- / 75	3.33 / 4.00	99.8	55.00	20	543	685	947
	3.00	Gas fired condensing boiler Radiators & DHW cylinder	90 / -	- / 65	3.33 / 4.62	99.8	55.00	20 (10)	556	700	965
LPG											
Propane 1 Litre	47.25 (5)	LPG fired condensing combination boiler Radiators	90 / -	- / 75	7.38 / 8.86	59.2 (6)	55		1018	1332	1912
	47.25 (5)	LPG fired condensing boiler Radiators & DHW cylinder	90 / -	- / 65	7.38 / 10.22	59.2	55		1046	1366	1952
OIL											
Kerosene 1 Litre	39.37 (7)	Oil fired condensing combination boiler Radiators	86 / -	- / 73	4.42 / 5.21	-	55		595	782	1129
	39.37 (7)	Oil fired condensing boiler Radiators and DHW cylinder	88 / -	- / 70	4.32 / 5.43	-	55		590	774	1115

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) Cost/Useful kWh based on 3-bed house; 2-bed house figure will be higher; 4-bed house figure will be lower
(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) Discount available to customers paying by direct debit. Additional discounts for paperless billing (£5) and Dual Fuel (£20) not included in final Annual Cost calculation
(9) Any direct debit discounts available already taken into account in unit cost
(10) Discount for Dual Fuel. Additional discounts for Paperless Billing (£10) not included in final Annual Cost calculation
* SAP default values used where SAP value greater than Building Regs. default value and/or where Building Regs. did/does not stipulate minimum values

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