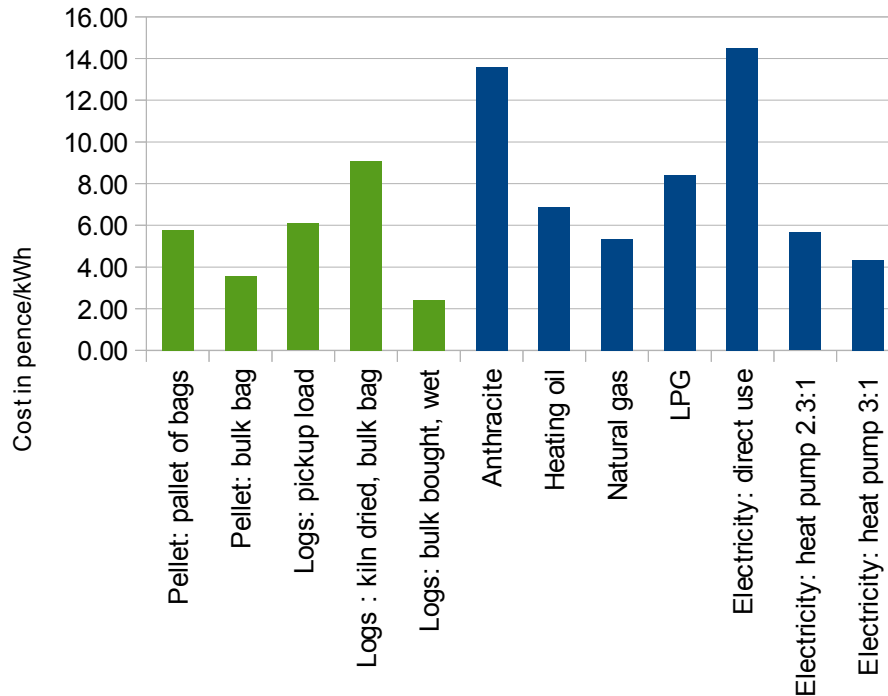


Cost of Fuels



Costs of various fuels

Fuel Type	Cost pence/kWh
Pellet: pallet of bags	5.79
Pellet: bulk bag	3.56
Logs: pickup load	6.10
Logs : kiln dried, bulk bag	9.09
Logs: bulk bought, wet	2.44
Anthracite	13.59
Heating oil	6.89
Natural gas	5.33
LPG	8.42
Electricity: direct use	14.50
Electricity: average heat pump 2.3:1	5.65
Electricity: highest heat pump 3:1	4.33

Cost to heat 'average' house (20,000kWh/yr)

Fuel Type	Cost
Pellet: pallet of bags	£1,157
Pellet: bulk bag	£713
Logs: pickup load	£1,220
Logs : kiln dried, bulk bag	£1,817
Logs: bulk bought, wet	£488
Anthracite	£2,717
Heating oil	£1,378
Natural gas	£1,067
LPG	£1,684
Electricity: direct use	£2,900
Electricity: average heat pump 2.3:1	£1,130
Electricity: highest heat pump 3:1	£867

References:

Pellet and kiln dried log prices from <http://www.whitehorseenergy.co.uk>. Kiln dried logs assumed to be 425kg / m cubed (source biomass energy centre data showing stacked wood to be between 350-500 kg/m cubed)

Logs delivered by pickup based on a 300kg load at £60. £45/load = 4.57p/kWh, £90/load = 9.15 p/kWh.

Logs delivered wet in bulk based on £60 / wet tonne

Anthracite price based on a 500kg bulk bag: <http://www.dandysgardencentre.co.uk/anthracite-coal---bulk-bags-283-p.asp>

All other data: http://www.biomassenergycentre.org.uk/portal/page?_pageid=75,59188&_dad=portal
heat pump data from Energy Saving Trust heat pump review:

<http://www.energysavingtrust.org.uk/Generate-your-own-energy/Air-source-heat-pumps/Heat-pump-field-trial-report>

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