

Domestic Fuels Comparison of Energy Costs

01 Oct, 2011

Notes:

1. Estimated average price to consumers countrywide.
2. Average price delivered in Munster area.
3. Prices include delivery in Dublin area only.
4. Oil prices assuming 1000L delivered.
Also inc. government duty 4.736cpl on gas oil.
From 01/07/2011 prices include those from a selection of suppliers that publish their prices online. Prices vary depending on delivery location.
5. L.P.G. standing charge : €15.23 every 2 months,
(incl. tank rental and maintenance)
6. Gas prices are estimated by applying increases announced by suppliers to VAT Incl prices from the EU Price Directive Survey for 01/01/2011 to 30/06/2011. The EU Price Directive Survey is updated every six months. For methodology and more details please see the following : http://www.seai.ie/Publications/Statistics_Publications/EPSSU_Publications/Electricity_and_Gas_Prices/Electricity_Gas_Prices_in_Ireland.pdf
Carbon tax of €0.00277 per kWh is included in the prices.
7. Electricity prices are estimated by applying increases announced by suppliers to VAT Incl prices from the EU Price Directive Survey for 01/01/2011 to 30/06/2011. The EU Price Directive Survey is updated every six months. For methodology and more details please see the following : http://www.seai.ie/Publications/Statistics_Publications/EPSSU_Publications/Electricity_and_Gas_Prices/Electricity_Gas_Prices_in_Ireland.pdf
From 1/10/2011 the PSO levy was reduced from €2.73 to €1.61 per customer per month, see www.cer.ie for more details
8. All ROI prices are inclusive of 13.5% VAT. NI rate of 5% VAT applies to wood purchased in the North.
9. Wood fuel prices may vary from the average, given the fragmented supplier network at present.
10. Minimum delivery conditions may apply. Discounts may apply for larger quantities.

Fuel	Form	Unit of Supply	Average ⁸ Price per Unit (€)	Gross Calorific Value (kWh/unit)	Delivered Energy Cost cent/kWh	Percentage change since 1 July, 2011	Percentage Change since 1 October, 2010
Peat ¹	Briquettes, Baled	Bale	3.90	67.0	5.82	-	+1.3%
Coal	Nuggets (Lignite)	Tonne	325.00	5763.5	5.64	-	-1.5%
	Premium Coal ²	Tonne	365.00	8267.2	4.42	-	-3.9%
	Standard Coal ²	Tonne	350.00	7900.0	4.43	-	-2.8%
	Standard Anthracite ³	Tonne	435.00	8735.2	4.98	-	-3.3%
	Grade A Anthracite ³ Ovoids (Smokeless) ³	Tonne	475.00 410.00	8960.0 8850.0	5.30 4.63	- -	+1.1% -
Oil ⁴ Incl Carbon Tax (see note)	Gas Oil	Litre	0.86	10.55	8.18	+2%	n/a
	Kerosene	Litre	0.82	10.18	8.03	+1%	n/a
						N/A due to break in timeseries, new data source	
L.P.G. Incl Carbon Tax (see note)	Bulk L.P.G. ⁵	Litre	0.91	7.09	12.78	-	+15.9%
	Bottled Butane	11.35 kg Cylinder	31.53	155.7	20.25	-	+5.8%
	Bottled Propane	34 kg Cylinder	86.85	471.0	18.44	-	+6.8%
	Bottled Propane	47 kg Cylinder	119.18	651.0	18.31	-	+5.8%
Natural Gas ⁶ Incl Carbon Tax (see note)	Band D1: <20 GJ per annum	kWh	0.067	1.0	6.70	+20%	+11.6%
	Band D2: >=20 <200 GJ per annum	kWh	0.061	1.0	6.11	+20%	+16.1%
	Band D3: >=200 GJ per annum	kWh	0.058	1.0	5.82	+20%	+20.1%
Electricity ⁷ (see note)	Band DA: <1000 kWh per annum	kWh	0.46	1.0	45.71	+7%	+4.2%
	Band DB: >=1000 <2,500 kWh per annum	kWh	0.26	1.0	25.70	+9%	+17.2%
	Band DC: >=2500 <5000 kWh per annum	kWh	0.21	1.0	21.11	+11%	+12.6%
	Band DD: >=5000 <15,000 kWh per annum	kWh	0.18	1.0	17.77	+12%	+5.6%
	Band DE: >=15,000 kWh per annum	kWh	0.15	1.0	14.85	+13%	+4.1%
Wood ⁹	Pellets Bulk Delivery ¹⁰	kg	0.23	4.8	4.87	+5.4%	+4.0%
	Pellets Bagged	kg	0.31	4.8	6.41	+1.6%	-4.0%
	Briquettes	kg	0.37	4.8	7.73	-2.6%	+2.1%

Special Notes:

Note: New source for Electricity and Gas Prices from October 2010 : Due to full deregulation of the market, prices are now based on the prices gathered for the EU Gas & Electricity Price Transparency Directive. Prices are updated 6 monthly.

See notes 6 & 7 and also http://www.seai.ie/Publications/Statistics_Publications/EPSSU_Publications/ for the latest report.

Electricity - from 1/10/2011 the PSO levy was reduced from €2.73 to €1.61 per customer per month, see www.cer.ie for more details
Carbon Tax was introduced for Oil, L.P.G and Natural Gas on 1st May 2010. See www.revenue.ie for more details.

New source for Gas Oil and Kerosene Prices from July 2011 : Prices are no longer sourced from schedule prices. Prices are now sourced from home heating oil prices which are published online to better reflect bulk discounts. Prices vary depending on delivery location.

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Ireland's EU Structural Funds
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Domestic Fuels

Comparison of Useful Energy Costs for Space Heating

1-Oct-2011

Notes:

- 11. Use manufacturers recommended fuel for each appliance.
- 12. Efficiencies quoted are seasonal efficiencies, where Seasonal Efficiency = Conversion Efficiency x Utilisation Efficiency.
- 13. Delivered energy costs quoted are for the conditions stated overleaf.
- 14. DFE: Decorative fuel effect appliance in an open fire setting.
- 15. Adequate ventilation is required for flueless gas heaters.
- 16. Higher efficiency indicated (50-60%) applies to these fuels.
- 17. Higher efficiency indicated (60-70%) applies to these fuels.
- 18. These specific fuel rates incur standing charges which must be included in all total cost calculations. See overleaf for standing charges.

Fuel ¹¹	Form	Delivered Energy Cost ¹³ (c/kWh)	Efficiency Ratings									Heating Types & Efficiencies
			90%	80%	70%	60%	50%	40%	30%	20%	10%	
Peat	Briquettes, Baled	5.82	6.47	7.28	8.32	9.70	11.64	14.55	19.40	29.10	58.21	Room Heater Peat 45-55% Coal 50-60% Gas 65-75%
Coal	Nuggets (Lignite)	5.64	6.27	7.05	8.06	9.40	11.28	14.10	18.80	28.19	56.39	Open Fire with High Output Back Boiler All 35-50% Open Fire, Solid fuel or Gas DFE ¹⁴ All 20-30%
	Premium Coal	4.42	4.91	5.52	6.31	7.36	8.83	11.04	14.72	22.08	44.15	
	Standard Coal	4.43	4.92	5.54	6.33	7.38	8.86	11.08	14.77	22.15	44.30	
	Standard Anthracite ¹⁶	4.98	5.53	6.22	7.11	8.30	9.96	12.45	16.60	24.90	49.80	
	Grade A Anthracite ¹⁶	5.30	5.89	6.63	7.57	8.84	10.60	13.25	17.67	26.51	53.01	
Ovoids (Smokeless)		4.63	5.15	5.79	6.62	7.72	9.27	11.58	15.44	23.16	46.33	Oil Fired Boiler Gas Oil 55-70% Kerosene 60-70%
Oil	Gas Oil	8.18	9.09	10.23	11.69	13.64	16.36	20.45	27.27	40.91	81.81	Gas Fired Boiler All 65-75%
	Kerosene ¹⁷	8.03	8.92	10.03	11.47	13.38	16.05	20.07	26.76	40.14	80.27	
L.P.G.	Bulk L.P.G. ²⁰	12.78	14.20	15.98	18.26	21.30	25.57	31.96	42.61	63.91	127.83	Electric Fire All 100%
	Bottled Butane	20.25	22.50	25.31	28.92	33.75	40.49	50.62	67.49	101.24	202.47	
	Bottled Propane 34kg	18.44	20.49	23.05	26.34	30.73	36.88	46.10	61.46	92.20	184.39	
	Bottled Propane 47kg	18.31	20.34	22.88	26.15	30.51	36.61	45.77	61.02	91.54	183.07	
Natural Gas	Band D1: <20 GJ per annum	6.70	7.44	8.37	9.57	11.16	13.39	16.74	22.32	33.48	66.96	Flueless Gas/Storage Heater All 90%
	Band D2: >=20 <200 GJ per annum	6.11	6.79	7.64	8.73	10.19	12.23	15.29	20.38	30.57	61.14	
	Band D3: >=200 GJ per annum	5.82	6.47	7.27	8.31	9.70	11.64	14.55	19.40	29.10	58.19	
Electricity	Band DA: <1000 kWh per annum	45.71										Condensing Boiler 90%
	Band DB: >=1000 <2,500 kWh per annum	25.70	28.55	32.12	36.71	42.83	51.40	64.24	85.66	128.49	256.98	
	Band DC: >=2500 <5000 kWh per annum	21.11	23.46	26.39	30.16	35.19	42.23	52.78	70.38	105.57	211.14	
	Band DD: >=5000 <15,000 kWh per annum	17.77	19.74	22.21	25.38	29.61	35.53	44.42	59.22	88.83	177.66	
	Band DE: >=15,000 kWh per annum	14.85										
Wood	Pellets Bulk Delivery	4.87	5.41	6.09	6.96	8.12	9.75	12.18	16.24	24.36	48.73	
	Pellets Bagged	6.41	7.12	8.01	9.15	10.68	12.81	16.02	21.35	32.03	64.06	
	Briquettes	7.73	8.58	9.66	11.04	12.88	15.45	19.31	25.75	38.63	77.26	

