

Commercial / Industrial Fuels Comparison of Energy Costs - Quarterly

01-Jul-22

Notes:

- All prices are inclusive of 13.5% VAT
- Commercial coal prices no longer available
- Prices used are an average of wholesale scheduled prices, exclusive of any rebates that may apply. Rebate may reduce fuel cost in the region of 20-25% depending on various market conditions. Please contact your petroleum supplier for current prices.
- Prices available on request from suppliers for L.P.G. quantities over three tonnes.
- Wood fuel prices may vary from the average, given the fragmented supplier network at present.
- Minimum delivery conditions may apply. Discounts may apply for larger quantities.
- Gas prices are VAT Incl prices from the EU Price Regulation Survey, & represent prices for 01/07/2021 to 31/12/2021 (Prices updated every 6 mths)
For methodology and more details please see the following report : <https://www.seai.ie/data-and-insights/seai-statistics/key-publications/>
- Electricity prices are VAT Incl prices from the EU Price Regulation Survey, & represent prices for 01/07/2021 to 31/12/2021 (Prices updated every 6 mths)
For methodology and more details please see the following report : <https://www.seai.ie/data-and-insights/seai-statistics/key-publications/>
See Special Note below on the Public Service Obligation (PSO) levy.
- To avail of lower night rate electricity a second meter is required.

The rate quoted is estimated for unit consumption costs only.

Actual costs may be higher due to higher standing charges for night rate electricity.

Fuel	Form	Unit of Supply	Average Price per Unit (€) ¹	Gross Calorific Value (kWh/unit)	Delivered Energy Cost cent/kWh	Percentage change since 1 April, 2022	Percentage change since 1 July, 2021
Coal ²	Industrial Fines	Tonne	n/a	7759.2	n/a	-	-
Oil ³	Gas Oil 10ppm	Litre	1.625	10.55	15.41	+14.0%	+73.7%
	Light Fuel Oil	Litre	1.377	11.21	12.29	+10.3%	+45.0%
	Medium Fuel Oil	Litre	1.231	11.32	10.88	+6.4%	+35.3%
	Heavy Fuel Oil	Litre	1.134	11.45	9.91	+3.6%	+29.9%
L.P.G.	Commercial Cylinders	kg	2.576	13.96	18.45	+7.0%	+20.6%
	Bulk L.P.G. (0-3 tonnes) ⁴	Litre	0.938	7.09	13.23	+5.2%	+18.1%
	Bulk L.P.G. (3.1-40 tonnes)	Litre	0.816	7.09	11.51	+5.0%	+15.9%
Wood ⁵	Fuel Chips (35% moisture)	kg wet	0.147	3.2	4.60	-	+15.1%
	Pellets bulk delivery ⁶	kg	0.423	4.8	8.81	+20.2%	+62.0%
	Pellets bagged	kg	0.473	4.8	9.86	+37.0%	+47.5%

Comparison of Energy Costs - Biannually (see notes 7 & 8)

Natural Gas ⁷	Band 11: <278 MWh per annum	kWh	0.0741	1.0	7.41	-	+50.9%
	Band 12: >=278 <2,778 MWh per annum	kWh	0.0748	1.0	7.48	-	+69.5%
	Band 13: >=2,778 <27,778 MWh per annum	kWh	0.0613	1.0	6.13	-	+68.2%
	Band 14: >=27,778 <277,778 MWh per annum	kWh	0.0493	1.0	4.93	-	+74.4%
	Band 15: >=277,778 <1,100,000 MWh per annum	kWh	0.0331	1.0	3.31	-	+21.8%
Electricity ⁸	Band 1A: <20MWh per annum	kWh	0.2990	1.0	29.90	-	+4.9%
	Band 1B: >=20 < 500 MWh per annum	kWh	0.2374	1.0	23.74	-	+15.5%
	Band 1C: >=500 < 2000 MWh per annum	kWh	0.2122	1.0	21.22	-	+24.5%
	Band 1D: >=2000 < 20,000 MWh per annum	kWh	0.1855	1.0	18.55	-	+37.9%
	Band 1E: >=20,000 < 70,000 MWh per annum	kWh	0.1596	1.0	15.96	-	+34.7%
	Band 1F: >=70,000 < 150,000 MWh per annum	kWh	0.1859	1.0	18.59	-	+54.9%
	Night rate ⁹	kWh	0.1057	1.0	10.57		

Special Notes:

Note: New source for Electricity and Gas Prices from October 2010 : Due to full deregulation of the market, prices are now sourced from the prices gathered for the EU Gas & Electricity Price Regulation. Prices are updated 6 monthly. See notes 5 & 6 and www.seai.ie/data-and-insights/seai-statistics/key-publications/ for the latest report.

Electricity - from 01/10/2021 the Public Service Obligation (PSO) levy has decreased as follows: From €21.41 to €13.63 per customer per month for small commercial customers (max import capacity < 30kVA) and from €2.78 to €1.63 per kVA for medium and large customers (max import capacity >= 30kVA). See www.cru.ie for more details

Carbon Tax was introduced for Oil, L.P.G and Natural Gas on 1st May 2010. The Carbon Tax was extended to Coal and Peat on 1 May 2013. See www.revenue.ie for more details.

DISCLAIMER:

While every effort has been made to ensure the accuracy of these statistical publications and/or reports, they are subject to revisions and changes from time to time. The Sustainable Energy Authority of Ireland is not liable for losses suffered, whether direct or consequential, arising out of any reliance on these data. It is the responsibility of each individual or entity to independently verify such information if the intention is to use such information in any form for personal or commercial purposes. The Sustainable Energy Authority of Ireland reserves the right to change the methodology in collecting, presenting and publishing these statistics and/or report.

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Commercial / Industrial Fuels Comparison of Useful Energy Costs for Space Heating

01-Jul-22

Notes:

10. Use manufacturers recommended fuel for each appliance.

11. Delivered energy costs quoted are for the conditions stated overleaf.

12. Efficiencies quoted are bands of typical seasonal heating efficiencies

13. If a night rate electricity meter is installed and if the heat pumps are run during the night, a unit cost of approximately half that specified can be assumed in the calculations for heat pump running costs.

14. Seasonal Performance Factor is defined as the ratio of heat output from the heat pump and the electricity supplied to the heat pump over the heating season. SPFs quoted assume heat pumps are used in conjunction with low temperature systems such as underfloor heating.

15. The Home Heating Appliance Register of Performance (HARP) database contains exact performance specifications of the proposed/installed appliances. www.seai.ie/harp

While HARP is not used in non-domestic Building Energy Rating (BER) it still gives a useful indicator of appliance efficiency/SPF for the purpose of commercial fuel cost comparisons.

Fuel ¹⁰	Form	Delivered Cost ¹¹ (c/kWh)	Seasonal Efficiency Ratings ¹²								Typical Seasonal Efficiencies ¹⁵				
			100%	90%	80%	70%	60%	50%	40%	30%			20%		
Coal	Industrial Fines	n/a												Solid Fuel Boiler 65% - 75%	
Oil	Gas Oil	15.41		17.12	19.26	22.01	25.68	30.81						Gas or Oil Fired Boiler or Air Heater 65% - 75%	
	Light Fuel Oil	12.29		13.65	15.36	17.55	20.48	24.57						Condensing Boiler 85-97%	
	Medium Fuel Oil	10.88		12.09	13.60	15.54	18.13	21.75							
	Heavy Fuel Oil	9.91		11.01	12.38	14.15	16.51	19.81							
L.P.G.	Commercial Cylinders	18.45		20.50	23.06	26.36	30.75	36.90						Electric Storage Heater 90%	
	Bulk L.P.G. (0-3 tonnes)	13.23		14.70	16.54	18.90	22.05	26.47						Direct Gas Fired Heater 90%	
	Bulk L.P.G. (3.1-40 tonnes)	11.51		12.78	14.38	16.44	19.18	23.01							
Wood	Fuel Chips	4.60		5.11	5.75	6.57	7.67	9.20	11.50						Direct Electric Heater 100%
	Pellets bulk delivery	8.81		9.79	11.01	12.58	14.68	17.62	22.02						
	Pellets bagged	9.86		10.95	12.32	14.08	16.43	19.71	24.64	32.86	49.29				
Natural Gas	Band I1: <278 MWh per annum	7.41		8.23	9.26	10.58	12.34	14.81							
	Band I2: >=278 <2,778 MWh per annum	7.48		8.31	9.34	10.68	12.46	14.95							
	Band I3: >=2,778 <27,778 MWh per annum	6.13		6.81	7.66	8.75	10.21	12.25							
	Band I4: >=27,778 <277,778 MWh per annum	4.93		5.48	6.16	7.04	8.21	9.86							
	Band I5: >=277,778 <1,100,000 MWh per annum	3.31		3.68	4.14	4.73	5.52	6.62							
Electricity	Band IA: <20MWh per annum	29.90	29.90	33.22											
	Band IB: >=20 < 500 MWh per annum	23.74	23.74	26.38											
	Band IC: >=500 < 2000 MWh per annum	21.22	21.22	23.58											
	Band ID: >=2000 < 20,000 MWh per annum	18.55	18.55	20.61											
	Band IE: >=20,000 < 70,000 MWh per annum	15.96	15.96	17.73											
	Band IF: >=70,000 < 150,000 MWh per annum	18.59	18.59	20.66											
	Night rate	10.57	10.57	11.75											

	Electricity used for Heat pumps ¹³	Delivered Energy Cost ¹¹ (c/kWh)	Factor (SPF) ¹⁴ for heat pumps								Typical SPFs for Heat Pump Types ¹⁵		
			2.5	3	3.5	4	4.5	5	5.5	6			
Electricity	Band IA: <20MWh per annum	29.90	11.96	9.97	8.54	7.47	6.64	5.98	5.44	4.98	Ground source (horizontal)	2.7 - 4.5	
	Band IB: >=20 < 500 MWh per annum	23.74	9.50	7.91	6.78	5.94	5.28	4.75	4.32	3.96	Ground source (vertical)	2.7 - 4.5	
	Band IC: >=500 < 2000 MWh per annum	21.22	8.49	7.07	6.06	5.31	4.72	4.24	3.86	3.54	Air/Air	2.5 - 4.2	
	Band ID: >=2000 < 20,000 MWh per annum	18.55	7.42	6.18	5.30	4.64	4.12	3.71	3.37	3.09	Air/Water	2.5 - 4.0	
	Band IE: >=20,000 < 70,000 MWh per annum	15.96	6.38	5.32	4.56	3.99	3.55	3.19	2.90	2.66	Water/Water	3.0 - 5.6	
	Band IF: >=70,000 < 150,000 MWh per annum	18.59										Exhaust Air	2.5 - 4.2
	Night rate	10.57	4.23	3.52	3.02	2.64	2.35	2.11	1.92	1.76			