

Electricity & Gas Prices in Ireland

Annex Household Gas Prices per GJ
2nd Semester (July – December) 2016



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Energy Policy Statistical Support Unit

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Sustainable Energy Ireland

The Sustainable Energy Authority of Ireland has a mission to play a leading role in transforming Ireland into a society based on sustainable energy structures, technologies and practices. To fulfil this mission SEAI aims provide well-timed and informed advice to Government, deliver a range of programmes efficiently and effectively, while engaging and motivating a wide range of stakeholders and showing continuing flexibility and innovation in all activities. SEAI's actions will help advance Ireland to the vanguard of the global green technology movement, so that Ireland is recognised as a pioneer in the move to decarbonised energy systems.

SEAI's key strategic objectives are;

- Energy efficiency first – implementing strong energy efficiency actions that radically reduce energy intensity and usage;
- Low-carbon energy sources – accelerating the development and adoption of technologies to exploit renewable energy sources;
- Innovation and integration – supporting evidence-based responses that engage all actors, supporting innovation and enterprise for our low-carbon future;

The Sustainable Energy Authority of Ireland is financed by Ireland's EU Structural Funds Programme co-funded by the Irish Government and the European Union.

Energy Policy Statistical Support Unit (EPSSU)

SEAI has a lead role in developing and maintaining comprehensive national and sectoral statistics for energy production, transformation and end use. This data is a vital input in meeting international reporting obligations, for advising policymakers and informing investment decisions. Based in Cork, EPSSU is SEAI's specialist statistics team. Its core functions are to:

- Collect, process and publish energy statistics to support policy analysis and development in line with national needs and international obligations;
- Conduct statistical and economic analyses of energy services sectors and sustainable energy options;
- Contribute to the development and promulgation of appropriate sustainability indicators.

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1 Introduction

The fluctuations in energy prices over the past number of years are a key concern for all energy consumers in Ireland, as they impact on the rate of inflation and on competitiveness. Understanding the key contributing factors and the precise impacts of energy price changes is of key importance in developing appropriate, sensible and measured responses from businesses, householders and policymakers. Comparing energy prices in Ireland with those of other EU Member States and elsewhere is a particularly important aspect of any analysis of the impact of price changes and competition. This report seeks to inform that analysis and thereby increase the understanding of energy price changes in Ireland.

This report draws on the results of the improved EU methodology for gathering energy price data that came into effect on 1st January 2008. The focus of the report is on the electricity and gas price data gathered under this improved methodology and on the period July – December 2016, i.e. the second semester 2016. Revisions to Eurostat's data have been incorporated into this report. Eurostat data presented in this report are as posted on Eurostat's website¹ on 5 May 2016.

SEAI acknowledges the co-operation of electricity and gas suppliers in providing the information necessary for Ireland to comply with the *European Commission Decision (2007/394/EC)*² and enabling this analysis to be carried out.

Feedback and comments on the report are welcome and should be addressed by post to the address on the back cover or by e-mail to epssu@seai.ie.

Readers may also be interested in previous statistical analysis related to energy prices carried out by SEAI. The report *Energy in Ireland 1990 – 2015 (2016 Report)* tracks changes in aggregated energy prices from 2000. The report *Energy in Industry 2007* assesses the significance of energy costs as a proportion of the overall cost base for business enterprises, drawing on data from the CSO's *Census of Industrial Production*. Both reports are available from <http://www.seai.ie/Energy-Data-Portal/Energy%20Data%20Publications/>.

1 <http://epp.eurostat.ec.europa.eu/portal/page/portal/energy/data/database>

2 Amending Directive 90/377/EEC with regard to the methodology to be applied for the collection of gas and electricity prices charged to business and household end-users.

2 Gas prices to Householders in the EU (without taxes)

Table 1 Household Gas Prices in band D1 in Europe (S2 2014 to S2 2016) without taxes

Band D1	without taxes (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	18.33	18.33	17.94	17.78	17.41	0.0%	-2.1%	-0.9%	-2.1%	-3.0%
Belgium	20.52	18.17	19.50	15.84	16.83	-11.5%	7.3%	-18.8%	6.2%	-13.7%
Bulgaria	11.96	11.40	10.00	9.01	7.79	-4.7%	-12.3%	-9.8%	-13.6%	-22.1%
Croatia	11.94	12.29	12.21	11.43	10.19	2.9%	-0.6%	-6.4%	-10.9%	-16.6%
Czech Republic	19.77	20.56	20.89	21.19	20.71	4.0%	1.6%	1.5%	-2.3%	-0.8%
Denmark	9.44	9.92	9.06	7.95	8.58	5.0%	-8.6%	-12.3%	8.0%	-5.3%
Estonia	12.10	11.90	8.92	7.80	7.54	-1.7%	-25.0%	-12.6%	-3.3%	-15.5%
France	34.69	28.79	33.65	28.58	32.86	-17.0%	16.9%	-15.1%	15.0%	-2.3%
Germany	22.49	23.07	22.42	23.15	21.41	2.6%	-2.8%	3.3%	-7.5%	-4.5%
Greece	26.81	18.05	26.83	15.05	23.46	-32.7%	48.6%	-43.9%	55.9%	-12.6%
Hungary	8.25	8.33	8.14	7.73	7.89	1.0%	-2.3%	-5.0%	2.1%	-3.0%
Ireland	21.01	17.27	20.65	16.83	19.27	-17.8%	19.6%	-18.5%	14.5%	-6.7%
Italy	28.87	19.92	27.33	19.11	26.16	-31.0%	37.2%	-30.1%	36.9%	-4.3%
Latvia	16.61	16.93	16.64	15.55	14.46	1.9%	-1.7%	-6.6%	-7.0%	-13.1%
Lithuania	17.33	17.70	17.13	17.14	15.61	2.1%	-3.2%	0.1%	-8.9%	-8.9%
Luxembourg	15.94	14.70	14.60	12.90	11.87	-7.8%	-0.7%	-11.6%	-8.0%	-18.7%
Netherlands	23.80	18.73	25.17	17.47	22.52	-21.3%	34.4%	-30.6%	28.9%	-10.5%
Poland	14.60	14.64	13.53	12.83	11.90	0.3%	-7.6%	-5.1%	-7.3%	-12.0%
Portugal	26.84	25.46	25.36	23.50	21.95	-5.1%	-0.4%	-7.3%	-6.6%	-13.4%
Romania	4.31	4.23	5.05	4.92	4.69	-1.8%	19.4%	-2.6%	-4.6%	-7.1%
Slovakia	24.02	24.13	24.07	23.41	22.96	0.5%	-0.2%	-2.7%	-1.9%	-4.6%
Slovenia	13.63	15.20	14.04	13.95	13.39	11.5%	-7.6%	-0.6%	-4.0%	-4.6%
Spain	27.38	20.53	26.50	19.11	24.43	-25.0%	29.1%	-27.9%	27.8%	-7.8%
Sweden	30.73	29.68	33.51	28.52	33.03	-3.4%	12.9%	-14.9%	15.8%	-1.4%
Turkey	8.68	8.76	8.09	7.85	7.03	0.9%	-7.6%	-3.0%	-10.5%	-13.1%
United Kingdom	25.66	21.59	25.30	19.66	21.33	-15.9%	17.2%	-22.3%	8.5%	-15.7%
Euro Area	26.40	22.11	25.76	21.51	24.41	-16.3%	16.5%	-16.5%	13.5%	-5.2%
EU 28	24.52	20.82	24.05	19.91	22.15	-15.1%	15.5%	-17.2%	11.3%	-7.9%
Ireland relative to:										
Euro Area	79.6%	78.1%	80.2%	78.2%	78.9%					
EU 28	85.7%	82.9%	85.9%	84.5%	87.0%					

Source: Eurostat

Table 2 Household Gas Prices in band D2 in Europe (S2 2014 to S2 2016) without taxes

Band D2	without taxes (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	15.00	14.97	14.53	14.06	13.70	-0.2%	-2.9%	-3.2%	-2.6%	-5.7%
Belgium	13.93	13.27	13.27	11.53	11.35	-4.7%	0.0%	-13.1%	-1.6%	-14.5%
Bulgaria	11.20	11.05	9.05	8.52	7.21	-1.4%	-18.1%	-5.9%	-15.4%	-20.3%
Croatia	10.56	10.50	10.21	9.52	8.22	-0.5%	-2.8%	-6.7%	-13.6%	-19.4%
Czech Republic	12.92	13.18	13.39	13.38	12.93	2.1%	1.6%	-0.1%	-3.3%	-3.4%
Denmark	9.44	9.92	9.06	7.95	8.58	5.0%	-8.6%	-12.3%	8.0%	-5.3%
Estonia	10.89	9.95	7.98	7.28	6.76	-8.6%	-19.8%	-8.8%	-7.1%	-15.3%
France	17.40	15.57	16.17	13.96	14.45	-10.5%	3.9%	-13.7%	3.5%	-10.6%
Germany	14.26	14.13	14.26	13.78	13.34	-0.9%	0.9%	-3.4%	-3.2%	-6.5%
Greece	17.98	15.13	16.82	12.28	14.45	-15.9%	11.2%	-27.0%	17.7%	-14.1%
Hungary	7.67	7.72	7.70	7.53	7.87	0.7%	-0.3%	-2.2%	4.5%	2.2%
Ireland	17.21	15.43	16.70	14.94	15.57	-10.3%	8.2%	-10.5%	4.2%	-6.8%
Italy	17.40	14.00	16.22	13.16	14.70	-19.5%	15.9%	-18.9%	11.7%	-9.4%
Latvia	10.74	10.90	10.65	9.25	8.84	1.5%	-2.3%	-13.1%	-4.4%	-17.0%
Lithuania	11.46	9.71	10.01	9.48	8.89	-15.3%	3.1%	-5.3%	-6.2%	-11.2%
Luxembourg	12.71	12.08	11.50	10.92	9.79	-5.0%	-4.8%	-5.0%	-10.3%	-14.9%
Netherlands	13.32	11.71	12.79	10.41	11.07	-12.1%	9.2%	-18.6%	6.3%	-13.4%
Poland	11.30	11.30	11.25	8.84	9.97	0.0%	-0.5%	-21.4%	12.7%	-11.4%
Portugal	22.27	20.93	21.06	19.38	17.55	-6.0%	0.6%	-8.0%	-9.4%	-16.7%
Romania	4.26	4.17	4.98	4.87	4.65	-2.0%	19.3%	-2.1%	-4.6%	-6.6%
Slovakia	12.01	11.48	11.45	10.65	10.31	-4.4%	-0.3%	-7.0%	-3.2%	-10.0%
Slovenia	12.96	12.55	12.09	11.84	11.01	-3.2%	-3.7%	-2.1%	-7.0%	-8.9%
Spain	21.37	16.14	21.31	14.90	19.04	-24.5%	32.0%	-30.1%	27.8%	-10.7%
Sweden	17.38	16.98	17.93	16.92	17.47	-2.3%	5.6%	-5.6%	3.3%	-2.5%
Turkey	8.57	8.70	7.98	7.72	6.91	1.5%	-8.2%	-3.3%	-10.5%	-13.4%
United Kingdom	17.08	16.44	17.30	14.28	12.95	-3.7%	5.2%	-17.4%	-9.3%	-25.1%
Euro Area	15.88	14.11	15.20	13.17	13.77	-11.1%	7.7%	-13.4%	4.6%	-9.4%
EU 28	15.40	14.11	15.04	12.91	13.02	-8.4%	6.6%	-14.2%	0.9%	-13.4%
Ireland relative to:										
Euro Area	108.4%	109.4%	109.9%	113.4%	113.1%					
EU 28	111.8%	109.4%	111.0%	115.7%	119.6%					

Source: Eurostat

Table 3 Household Gas Prices in band D3 in Europe (S2 2014 to S2 2016) without taxes

Band D3	without taxes (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	13.25	12.97	12.56	11.94	11.52	-2.1%	-3.2%	-4.9%	-3.5%	-8.3%
Belgium	11.90	11.58	11.00	10.52	9.64	-2.7%	-5.0%	-4.4%	-8.4%	-12.4%
Bulgaria	11.26	11.14	8.98	8.45	7.13	-1.1%	-19.4%	-5.9%	-15.6%	-20.6%
Croatia	9.88	10.05	9.69	9.02	7.70	1.7%	-3.6%	-7.0%	-14.6%	-20.6%
Czech Republic	12.23	12.38	12.58	12.48	11.98	1.3%	1.6%	-0.8%	-4.0%	-4.8%
Denmark	9.44	9.92	9.06	7.95	8.58	5.0%	-8.6%	-12.3%	8.0%	-5.3%
Estonia	10.06	9.84	7.32	6.76	5.98	-2.2%	-25.6%	-7.7%	-11.5%	-18.3%
France	14.17	13.21	12.99	11.72	11.61	-6.8%	-1.7%	-9.8%	-0.9%	-10.6%
Germany	13.16	13.13	13.06	12.59	12.05	-0.2%	-0.5%	-3.6%	-4.3%	-7.7%
Greece	15.04	14.89	12.39	11.92	11.57	-1.0%	-16.8%	-3.8%	-2.9%	-6.6%
Hungary	7.69	7.67	7.58	7.53	7.92	-0.2%	-1.2%	-0.7%	5.2%	4.4%
Ireland	15.46	14.47	14.86	13.87	13.63	-6.4%	2.7%	-6.7%	-1.7%	-8.3%
Italy	12.44	12.20	12.11	11.08	11.02	-1.9%	-0.7%	-8.5%	-0.5%	-9.0%
Latvia	10.53	10.87	10.63	9.25	8.83	3.2%	-2.2%	-13.0%	-4.5%	-16.9%
Lithuania	9.38	..	10.01	9.48	8.89	..	..	-5.3%	-6.2%	-11.2%
Luxembourg	13.04	12.13	11.44	10.96	9.90	-7.0%	-5.7%	-4.2%	-9.7%	-13.5%
Netherlands	11.30	10.33	10.29	8.90	8.88	-8.6%	-0.4%	-13.5%	-0.2%	-13.7%
Poland	10.83	11.10	10.78	8.19	8.56	2.5%	-2.9%	-24.0%	4.6%	-20.6%
Portugal	19.70	20.11	18.98	18.85	16.04	2.1%	-5.6%	-0.7%	-14.9%	-15.5%
Romania	4.15	4.06	4.79	4.75	4.52	-2.1%	18.1%	-0.9%	-4.9%	-5.8%
Slovakia	12.73	12.23	12.05	11.20	10.97	-3.9%	-1.5%	-7.1%	-2.1%	-9.0%
Slovenia	15.15	12.17	11.57	10.73	9.71	-19.7%	-4.9%	-7.3%	-9.5%	-16.1%
Spain	15.60	14.11	14.37	12.24	12.80	-9.6%	1.8%	-14.8%	4.6%	-10.9%
Sweden	14.19	14.80	15.15	14.43	15.34	4.3%	2.4%	-4.7%	6.2%	1.2%
Turkey	8.65	8.70	7.96	7.70	6.86	0.5%	-8.5%	-3.2%	-11.0%	-13.8%
United Kingdom	14.86	15.00	15.15	13.15	11.18	0.9%	1.0%	-13.2%	-15.0%	-26.2%
Euro Area	13.06	12.59	12.45	11.51	11.26	-3.6%	-1.1%	-7.6%	-2.2%	-9.6%
EU 28	13.01	12.75	12.69	11.52	10.90	-2.0%	-0.5%	-9.2%	-5.4%	-14.1%
Ireland relative to:										
Euro Area	118.4%	114.9%	119.4%	120.5%	121.0%					
EU 28	118.8%	113.5%	117.1%	120.4%	125.0%					

Source: Eurostat

3 Gas prices to Households in the EU (without VAT)

Table 4 Household Gas Prices in band D1 in Europe (S2 2014 to S2 2016) without VAT

Band D1	without VAT (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	20.53	20.36	19.92	19.75	19.37	-0.8%	-2.2%	-0.9%	-1.9%	-2.8%
Belgium	21.33	18.24	20.87	17.29	18.14	-14.5%	14.4%	-17.2%	4.9%	-13.1%
Bulgaria	11.96	11.40	10.00	9.01	7.79	-4.7%	-12.3%	-9.8%	-13.6%	-22.1%
Croatia	11.94	12.29	12.21	11.43	10.19	2.9%	-0.6%	-6.4%	-10.9%	-16.6%
Czech Republic	19.77	20.56	20.89	21.19	20.71	4.0%	1.6%	1.5%	-2.3%	-0.8%
Denmark	19.51	17.83	16.97	15.93	16.47	-8.6%	-4.8%	-6.1%	3.4%	-3.0%
Estonia	12.69	12.62	9.59	8.58	8.32	-0.6%	-24.0%	-10.5%	-3.0%	-13.2%
France	37.42	31.19	36.85	31.62	36.54	-16.6%	18.1%	-14.2%	15.6%	-0.8%
Germany	24.82	25.40	24.75	25.48	23.74	2.3%	-2.6%	2.9%	-6.8%	-4.1%
Greece	28.47	19.63	28.54	16.63	25.10	-31.1%	45.4%	-41.7%	50.9%	-12.1%
Hungary	8.25	8.33	8.14	7.73	7.89	1.0%	-2.3%	-5.0%	2.1%	-3.0%
Ireland	22.04	18.31	21.67	17.86	20.30	-16.9%	18.4%	-17.6%	13.7%	-6.3%
Italy	32.62	22.88	31.21	22.09	30.01	-29.9%	36.4%	-29.2%	35.9%	-3.8%
Latvia	17.09	17.43	17.14	16.03	14.98	2.0%	-1.7%	-6.5%	-6.6%	-12.6%
Lithuania	17.33	17.70	17.13	17.14	15.61	2.1%	-3.2%	0.1%	-8.9%	-8.9%
Luxembourg	16.55	15.15	15.30	13.43	12.56	-8.5%	1.0%	-12.2%	-6.5%	-17.9%
Netherlands	29.32	24.38	30.81	24.95	30.00	-16.8%	26.4%	-19.0%	20.2%	-2.6%
Poland	14.60	14.65	13.53	12.83	11.90	0.3%	-7.6%	-5.1%	-7.3%	-12.0%
Portugal	28.36	26.75	26.65	24.87	23.23	-5.7%	-0.4%	-6.7%	-6.6%	-12.8%
Romania	7.19	7.05	7.73	7.52	7.32	-2.0%	9.7%	-2.7%	-2.7%	-5.3%
Slovakia	24.02	24.13	24.07	23.41	22.96	0.5%	-0.2%	-2.7%	-1.9%	-4.6%
Slovenia	15.09	16.98	15.81	15.76	15.19	12.5%	-6.9%	-0.3%	-3.6%	-3.9%
Spain	28.03	21.18	27.15	19.76	25.08	-24.4%	28.2%	-27.2%	26.9%	-7.6%
Sweden	38.66	37.84	41.65	36.69	40.94	-2.1%	10.1%	-11.9%	11.6%	-1.7%
Turkey	8.89	8.97	8.28	8.04	7.20	0.9%	-7.6%	-3.0%	-10.4%	-13.0%
United Kingdom	25.66	22.07	25.86	20.14	21.84	-14.0%	17.2%	-22.1%	8.4%	-15.5%
Euro Area	29.27	24.70	28.79	24.47	27.69	-15.6%	16.6%	-15.0%	13.2%	-3.8%
EU 28	26.52	22.74	26.27	22.07	24.54	-14.3%	15.5%	-16.0%	11.2%	-6.6%
Ireland relative to:										
Euro Area	75.3%	74.1%	75.3%	73.0%	73.3%					
EU 28	83.1%	80.5%	82.5%	80.9%	82.7%					

Source: Eurostat

Table 5 Household Gas Prices in band D2 in Europe (S2 2014 to S2 2016) without VAT

Band D2	without VAT (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	16.89	16.89	16.44	15.97	15.60	0.0%	-2.7%	-2.9%	-2.3%	-5.1%
Belgium	14.95	13.43	14.27	12.60	12.30	-10.2%	6.3%	-11.7%	-2.4%	-13.8%
Bulgaria	11.20	11.05	9.05	8.52	7.21	-1.4%	-18.1%	-5.9%	-15.4%	-20.3%
Croatia	10.56	10.50	10.21	9.52	8.22	-0.5%	-2.8%	-6.7%	-13.6%	-19.4%
Czech Republic	12.92	13.18	13.39	13.38	12.93	2.1%	1.6%	-0.1%	-3.3%	-3.4%
Denmark	19.51	17.83	16.97	15.93	16.47	-8.6%	-4.8%	-6.1%	3.4%	-3.0%
Estonia	11.42	10.56	8.90	8.06	7.34	-7.5%	-15.7%	-9.4%	-8.9%	-17.5%
France	18.19	16.60	17.47	15.44	16.18	-8.7%	5.2%	-11.6%	4.8%	-7.4%
Germany	15.91	15.78	15.91	15.43	14.99	-0.8%	0.8%	-3.0%	-2.9%	-5.8%
Greece	19.62	16.76	18.45	13.88	16.04	-14.6%	10.1%	-24.8%	15.6%	-13.1%
Hungary	7.67	7.72	7.70	7.53	7.87	0.7%	-0.3%	-2.2%	4.5%	2.2%
Ireland	18.24	16.48	17.72	15.96	16.59	-9.6%	7.5%	-9.9%	3.9%	-6.4%
Italy	22.02	18.28	20.93	17.42	19.38	-17.0%	14.5%	-16.8%	11.3%	-7.4%
Latvia	11.21	11.38	11.13	9.73	9.33	1.5%	-2.2%	-12.6%	-4.1%	-16.2%
Lithuania	11.46	9.71	10.01	9.48	8.89	-15.3%	3.1%	-5.3%	-6.2%	-11.2%
Luxembourg	13.34	12.61	12.28	11.55	10.62	-5.5%	-2.6%	-5.9%	-8.1%	-13.5%
Netherlands	18.83	17.36	18.43	17.89	18.55	-7.8%	6.2%	-2.9%	3.7%	0.7%
Poland	11.30	11.31	11.26	8.84	9.97	0.0%	-0.5%	-21.4%	12.7%	-11.4%
Portugal	23.47	22.04	22.18	20.61	18.66	-6.1%	0.6%	-7.1%	-9.5%	-15.9%
Romania	7.14	6.98	7.62	7.44	7.24	-2.3%	9.2%	-2.4%	-2.6%	-5.0%
Slovakia	12.01	11.48	11.45	10.65	10.31	-4.4%	-0.3%	-7.0%	-3.2%	-10.0%
Slovenia	14.43	14.32	13.86	13.65	12.82	-0.8%	-3.2%	-1.5%	-6.1%	-7.5%
Spain	22.02	16.79	21.96	15.55	19.69	-23.8%	30.8%	-29.2%	26.6%	-10.3%
Sweden	25.30	25.15	26.07	25.08	25.39	-0.6%	3.7%	-3.8%	1.2%	-2.6%
Turkey	8.78	8.91	8.17	7.90	7.08	1.4%	-8.3%	-3.3%	-10.3%	-13.3%
United Kingdom	17.08	16.81	17.69	14.63	13.27	-1.6%	5.2%	-17.3%	-9.3%	-25.0%
Euro Area	18.43	16.62	17.92	15.99	16.74	-9.8%	7.8%	-10.8%	4.7%	-6.6%
EU 28	17.19	15.96	17.02	14.95	15.15	-7.2%	6.6%	-12.2%	1.3%	-11.0%
Ireland relative to:										
Euro Area	99.0%	99.2%	98.9%	99.8%	99.1%					
EU 28	106.1%	103.3%	104.1%	106.8%	109.5%					

Source: Eurostat

Table 6 Household Gas Prices in band D3 in Europe (S2 2014 to S2 2016) without VAT

Band D3	without VAT (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	15.06	14.86	14.44	13.81	13.38	-1.3%	-2.8%	-4.4%	-3.1%	-7.3%
Belgium	12.91	11.92	11.83	11.42	10.59	-7.7%	-0.8%	-3.5%	-7.3%	-10.5%
Bulgaria	11.26	11.14	8.98	8.45	7.13	-1.1%	-19.4%	-5.9%	-15.6%	-20.6%
Croatia	9.88	10.05	9.69	9.02	7.70	1.7%	-3.6%	-7.0%	-14.6%	-20.6%
Czech Republic	12.23	12.38	12.58	12.48	11.98	1.3%	1.6%	-0.8%	-4.0%	-4.8%
Denmark	19.51	17.83	16.97	15.93	16.47	-8.6%	-4.8%	-6.1%	3.4%	-3.0%
Estonia	10.44	10.52	7.99	7.54	6.76	0.8%	-24.0%	-5.6%	-10.3%	-15.4%
France	14.55	13.89	13.80	12.80	12.85	-4.5%	-0.6%	-7.2%	0.4%	-6.9%
Germany	14.81	14.78	14.71	14.24	13.70	-0.2%	-0.5%	-3.2%	-3.8%	-6.9%
Greece	16.69	16.57	14.02	13.56	13.15	-0.7%	-15.4%	-3.3%	-3.0%	-6.2%
Hungary	7.69	7.67	7.58	7.53	7.92	-0.2%	-1.2%	-0.7%	5.2%	4.4%
Ireland	16.49	15.51	15.89	14.90	14.66	-5.9%	2.5%	-6.2%	-1.6%	-7.7%
Italy	17.45	17.13	17.23	16.05	16.11	-1.8%	0.6%	-6.8%	0.4%	-6.5%
Latvia	10.99	11.36	11.12	9.73	9.32	3.4%	-2.1%	-12.5%	-4.2%	-16.2%
Lithuania	9.38	..	10.01	9.48	8.89	..	..	-5.3%	-6.2%	-11.2%
Luxembourg	13.63	12.67	12.30	11.61	10.74	-7.0%	-2.9%	-5.6%	-7.5%	-12.7%
Netherlands	16.81	15.98	15.94	16.37	16.36	-4.9%	-0.3%	2.7%	-0.1%	2.6%
Poland	10.83	11.20	10.88	8.27	8.65	3.4%	-2.8%	-24.0%	4.6%	-20.5%
Portugal	20.86	21.31	20.11	20.07	17.09	2.2%	-5.6%	-0.2%	-14.8%	-15.0%
Romania	6.87	6.71	7.18	7.11	6.93	-2.4%	7.0%	-1.0%	-2.4%	-3.4%
Slovakia	12.73	12.23	12.05	11.20	10.97	-3.9%	-1.5%	-7.1%	-2.1%	-9.0%
Slovenia	16.61	13.95	13.35	12.54	11.52	-16.0%	-4.3%	-6.1%	-8.1%	-13.7%
Spain	16.25	14.76	15.02	12.89	13.45	-9.2%	1.8%	-14.2%	4.3%	-10.5%
Sweden	22.12	22.97	23.29	22.60	23.25	3.8%	1.4%	-3.0%	2.9%	-0.2%
Turkey	8.86	8.91	8.15	7.89	7.04	0.5%	-8.5%	-3.2%	-10.8%	-13.7%
United Kingdom	14.86	15.31	15.47	13.47	11.45	3.0%	1.0%	-12.9%	-15.0%	-26.0%
Euro Area	15.64	15.23	15.19	14.45	14.26	-2.6%	-0.3%	-4.9%	-1.3%	-6.1%
EU 28	14.82	14.67	14.67	13.62	13.03	-1.0%	0.0%	-7.2%	-4.3%	-11.2%
Ireland relative to:										
Euro Area	105.4%	101.8%	104.6%	103.1%	102.8%					
EU 28	111.3%	105.7%	108.3%	109.4%	112.5%					

Source: Eurostat

4 Gas prices to Households in the EU (all taxes incl.)

Table 7 Household Gas Prices in band D1 in Europe (S2 2014 to S2 2016) all taxes included

Band D1	all taxes included (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	24.64	24.42	23.92	23.72	23.24	-0.9%	-2.0%	-0.8%	-2.0%	-2.8%
Belgium	25.80	22.05	25.21	20.87	21.90	-14.5%	14.3%	-17.2%	4.9%	-13.1%
Bulgaria	14.35	13.67	12.00	10.82	9.35	-4.7%	-12.3%	-9.8%	-13.6%	-22.1%
Croatia	14.93	15.36	15.27	14.28	12.73	2.9%	-0.6%	-6.4%	-10.9%	-16.6%
Czech Republic	23.92	24.87	25.27	25.64	25.06	4.0%	1.6%	1.5%	-2.3%	-0.8%
Denmark	24.38	22.29	21.22	19.92	20.59	-8.6%	-4.8%	-6.1%	3.4%	-3.0%
Estonia	15.23	15.15	11.51	10.14	10.04	-0.5%	-24.0%	-11.9%	-1.0%	-12.8%
France	42.01	35.37	41.30	35.61	40.78	-15.8%	16.8%	-13.8%	14.5%	-1.3%
Germany	29.54	30.22	29.45	30.32	28.25	2.3%	-2.5%	3.0%	-6.8%	-4.1%
Greece	32.15	22.17	32.23	18.78	28.34	-31.0%	45.4%	-41.7%	50.9%	-12.1%
Hungary	10.48	10.58	10.34	9.82	10.03	1.0%	-2.3%	-5.0%	2.1%	-3.0%
Ireland	25.01	20.79	24.60	20.27	23.04	-16.9%	18.3%	-17.6%	13.7%	-6.3%
Italy	38.05	26.22	36.39	25.38	35.01	-31.1%	38.8%	-30.3%	37.9%	-3.8%
Latvia	20.67	21.09	20.75	19.40	18.13	2.0%	-1.6%	-6.5%	-6.5%	-12.6%
Lithuania	20.97	21.42	20.73	20.74	18.88	2.1%	-3.2%	0.0%	-9.0%	-8.9%
Luxembourg	17.67	16.47	16.63	14.60	13.68	-6.8%	1.0%	-12.2%	-6.3%	-17.7%
Netherlands	35.48	29.50	37.29	30.19	36.30	-16.9%	26.4%	-19.0%	20.2%	-2.7%
Poland	17.96	18.01	16.64	15.79	14.64	0.3%	-7.6%	-5.1%	-7.3%	-12.0%
Portugal	34.88	32.90	32.78	30.59	28.57	-5.7%	-0.4%	-6.7%	-6.6%	-12.8%
Romania	8.92	8.74	9.59	9.32	9.08	-2.0%	9.7%	-2.7%	-2.7%	-5.3%
Slovakia	28.82	28.95	28.88	28.09	27.55	0.5%	-0.2%	-2.7%	-1.9%	-4.6%
Slovenia	18.42	20.71	19.29	19.22	18.54	12.4%	-6.9%	-0.4%	-3.5%	-3.9%
Spain	33.92	25.63	32.85	23.91	30.35	-24.4%	28.2%	-27.2%	26.9%	-7.6%
Sweden	48.32	47.30	52.06	45.86	51.18	-2.1%	10.1%	-11.9%	11.6%	-1.7%
Turkey	10.49	10.58	9.77	9.48	8.50	0.9%	-7.6%	-3.0%	-10.4%	-13.0%
United Kingdom	26.94	23.18	27.15	21.15	22.93	-14.0%	17.1%	-22.1%	8.4%	-15.5%
Euro Area	34.31	28.93	33.75	28.64	32.43	-15.7%	16.7%	-15.1%	13.2%	-3.9%
EU 28	30.43	26.09	30.14	25.34	28.19	-14.3%	15.5%	-15.9%	11.2%	-6.5%
Ireland relative to:										
Euro Area	72.9%	71.9%	72.9%	70.8%	71.0%					
EU 28	82.2%	79.7%	81.6%	80.0%	81.7%					

Source: Eurostat

Table 8 Household Gas Prices in band D2 in Europe (S2 2014 to S2 2016) all taxes included

Band D2	all taxes included (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	20.28	20.28	19.75	19.17	18.71	0.0%	-2.6%	-2.9%	-2.4%	-5.3%
Belgium	18.06	16.23	17.24	15.19	14.83	-10.1%	6.2%	-11.9%	-2.4%	-14.0%
Bulgaria	13.44	13.26	10.86	10.23	8.65	-1.4%	-18.1%	-5.8%	-15.4%	-20.3%
Croatia	13.20	13.13	12.76	11.90	10.28	-0.5%	-2.8%	-6.7%	-13.6%	-19.4%
Czech Republic	15.63	15.95	16.21	16.19	15.65	2.1%	1.6%	-0.1%	-3.3%	-3.4%
Denmark	24.38	22.29	21.22	19.92	20.59	-8.6%	-4.8%	-6.1%	3.4%	-3.0%
Estonia	13.71	12.67	10.68	9.62	9.10	-7.6%	-15.7%	-9.9%	-5.4%	-14.8%
France	21.16	19.46	20.35	18.05	18.79	-8.0%	4.6%	-11.3%	4.1%	-7.7%
Germany	18.93	18.78	18.93	18.36	17.83	-0.8%	0.8%	-3.0%	-2.9%	-5.8%
Greece	22.16	18.92	20.83	15.68	18.12	-14.6%	10.1%	-24.7%	15.6%	-13.0%
Hungary	9.74	9.80	9.78	9.56	9.99	0.7%	-0.3%	-2.2%	4.5%	2.2%
Ireland	20.70	18.70	20.11	18.12	18.83	-9.7%	7.5%	-9.9%	3.9%	-6.4%
Italy	26.41	21.27	25.13	20.32	23.29	-19.5%	18.1%	-19.1%	14.6%	-7.3%
Latvia	13.56	13.77	13.47	11.78	11.29	1.5%	-2.2%	-12.5%	-4.2%	-16.2%
Lithuania	13.87	11.75	12.12	11.47	10.76	-15.3%	3.1%	-5.4%	-6.2%	-11.2%
Luxembourg	14.27	13.77	13.40	12.62	11.62	-3.5%	-2.7%	-5.8%	-7.9%	-13.3%
Netherlands	22.79	21.00	22.30	21.65	22.45	-7.9%	6.2%	-2.9%	3.7%	0.7%
Poland	13.90	13.91	13.84	10.88	12.26	0.1%	-0.5%	-21.4%	12.7%	-11.4%
Portugal	28.87	27.11	27.28	25.35	22.96	-6.1%	0.6%	-7.1%	-9.4%	-15.8%
Romania	8.85	8.65	9.45	9.22	8.98	-2.3%	9.2%	-2.4%	-2.6%	-5.0%
Slovakia	14.42	13.78	13.74	12.78	12.37	-4.4%	-0.3%	-7.0%	-3.2%	-10.0%
Slovenia	17.61	17.48	16.91	16.65	15.64	-0.7%	-3.3%	-1.5%	-6.1%	-7.5%
Spain	26.64	20.32	26.57	18.82	23.82	-23.7%	30.8%	-29.2%	26.6%	-10.4%
Sweden	31.63	31.43	32.58	31.35	31.73	-0.6%	3.7%	-3.8%	1.2%	-2.6%
Turkey	10.36	10.51	9.64	9.33	8.36	1.4%	-8.3%	-3.3%	-10.4%	-13.3%
United Kingdom	17.94	17.65	18.56	15.36	13.93	-1.7%	5.2%	-17.2%	-9.3%	-25.0%
Euro Area	21.97	19.67	21.38	18.93	19.96	-10.5%	8.7%	-11.5%	5.4%	-6.6%
EU 28	19.96	18.40	19.75	17.28	17.67	-7.8%	7.3%	-12.5%	2.3%	-10.5%
Ireland relative to:										
Euro Area	94.2%	95.1%	94.1%	95.7%	94.3%					
EU 28	103.7%	101.6%	101.8%	104.9%	106.6%					

Source: Eurostat

Table 9 Household Gas Prices in band D3 in Europe (S2 2014 to S2 2016) all taxes included

Band D3	all taxes included (€/GJ)					% change				
	July '14 - Dec '14	Jan '15 - Jun '15	July '15 - Dec '15	Jan '16 - Jun '16	July '16 - Dec '16	S2 '14 - S1 '15	S1 '15 - S2 '15	S2 '15 - S1 '16	S1 '16 - S2 '16	12 months to S2 '16
Austria	18.08	17.83	17.33	16.58	16.05	-1.4%	-2.8%	-4.3%	-3.2%	-7.4%
Belgium	15.58	14.42	14.32	13.72	12.73	-7.4%	-0.7%	-4.2%	-7.2%	-11.1%
Bulgaria	13.52	13.37	10.77	10.14	8.56	-1.1%	-19.4%	-5.8%	-15.6%	-20.5%
Croatia	12.35	12.56	12.11	11.27	9.62	1.8%	-3.6%	-6.9%	-14.6%	-20.6%
Czech Republic	14.80	14.98	15.22	15.10	14.49	1.3%	1.6%	-0.8%	-4.0%	-4.8%
Denmark	24.38	22.29	21.22	19.92	20.59	-8.6%	-4.8%	-6.1%	3.4%	-3.0%
Estonia	12.53	12.41	9.59	9.10	8.06	-1.0%	-22.7%	-5.1%	-11.4%	-16.0%
France	17.25	16.54	16.36	15.24	15.24	-4.1%	-1.1%	-6.8%	0.0%	-6.8%
Germany	17.62	17.59	17.50	16.95	16.31	-0.2%	-0.5%	-3.1%	-3.8%	-6.8%
Greece	18.84	18.71	15.83	15.31	14.85	-0.7%	-15.4%	-3.3%	-3.0%	-6.2%
Hungary	9.77	9.74	9.63	9.56	10.06	-0.2%	-1.2%	-0.7%	5.2%	4.4%
Ireland	18.72	17.61	18.04	16.91	16.64	-5.9%	2.4%	-6.3%	-1.6%	-7.8%
Italy	21.29	20.84	20.96	19.49	19.65	-2.1%	0.6%	-7.0%	0.8%	-6.3%
Latvia	13.30	13.74	13.45	11.77	11.28	3.3%	-2.1%	-12.5%	-4.2%	-16.1%
Lithuania	11.35	..	12.12	11.47	10.76	..	..	-5.4%	-6.2%	-11.2%
Luxembourg	14.57	13.84	13.44	12.70	11.75	-5.0%	-2.9%	-5.5%	-7.5%	-12.6%
Netherlands	20.35	19.33	19.29	19.81	19.80	-5.0%	-0.2%	2.7%	-0.1%	2.6%
Poland	13.32	13.77	13.38	10.18	10.64	3.4%	-2.8%	-24.0%	4.6%	-20.5%
Portugal	25.65	26.21	24.74	24.69	21.02	2.2%	-5.6%	-0.2%	-14.9%	-15.0%
Romania	8.52	8.32	8.90	8.81	8.60	-2.4%	7.0%	-1.0%	-2.5%	-3.4%
Slovakia	15.28	14.68	14.46	13.44	13.17	-3.9%	-1.5%	-7.1%	-2.0%	-8.9%
Slovenia	20.27	17.01	16.28	15.30	14.05	-16.1%	-4.3%	-6.0%	-8.2%	-13.7%
Spain	19.66	17.86	18.17	15.60	16.27	-9.2%	1.7%	-14.1%	4.3%	-10.5%
Sweden	27.64	28.71	29.12	28.24	29.06	3.8%	1.4%	-3.0%	2.9%	-0.2%
Turkey	10.46	10.52	9.62	9.31	8.30	0.5%	-8.5%	-3.2%	-10.8%	-13.7%
United Kingdom	15.59	16.09	16.24	14.15	12.03	3.2%	1.0%	-12.9%	-15.0%	-25.9%
Euro Area	18.79	18.30	18.24	17.35	17.13	-2.6%	-0.3%	-4.9%	-1.3%	-6.1%
EU 28	17.30	17.11	17.10	15.91	15.29	-1.1%	-0.1%	-7.0%	-3.9%	-10.6%
Ireland relative to:										
Euro Area	99.6%	96.2%	98.9%	97.5%	97.1%					
EU 28	108.2%	102.9%	105.5%	106.3%	108.8%					

Source: Eurostat

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Appendix – Methodologies for Assessing Prices

The International Energy Agency (IEA) are responsible for a major international compilation of energy prices at all market levels: import prices, industry prices and consumer prices. A large portion of the data is drawn from a quarterly reporting system of end-use energy prices initiated in 1981.

While this provides an extensive databank of energy prices, making comparisons between countries is not a trivial task. Definitions for prices shown for a particular energy source used in a given sector may differ from country to country. At one extreme, gasoline prices are closely comparable between countries; at the other extreme, only broad order of magnitude comparisons between coal prices may be possible.

Data collected in Ireland for *IEA's Energy Prices & Taxes* surveys are overall average prices for a given sector and therefore represent an aggregate price for small, medium and large consumers.

Eurostat collects electricity and gas prices under *Council Directive 90/377/EEC* of 29 June 1990 concerning a Community procedure to improve the transparency of gas and electricity prices charged to business end-users. This Directive obliges Member States to ensure that undertakings that supply electricity and gas to business end-users provide statistical data on an annual basis. Data must be provided to Eurostat on the price and terms of sale of gas and electricity to business end-users, the price systems in use and the breakdown of consumers and the corresponding volumes by category of consumption. The Sustainable Energy Ireland has responsibility for the collection, collation and reporting of data on Ireland's behalf.

In 2002 Eurostat's Energy Statistics Committee meeting gave the mandate to set up a task force to study improvements in the existing data collection and methodology to take account in particular of market liberalization that changed the context for the methodology applied. *Directive 90/377/EEC* was recast in the interests of clarity and as a result the revised methodology, *European Commission Decision (2007/394/EC)*, has been applied since 1st January 2008. The electricity and gas price comparisons assessed in sections 3 and 4 of this report are drawn from the first set of results arising from this new methodology.

This new methodology reflects more accurately the actual cost of gas and electricity to final consumers as it incorporates all the factors in the cost of their use. The methodology is comprehensive and transparent and in each customer category, information is sought from each supplier regarding the volume of sales and the associated revenue. This allows computation of a national sales weighted unit price for electricity and gas for each customer category. It facilitates the comparison of costs across the EU but care must be taken in choosing the relevant costs to compare and to allow for currency and purchasing power differences.



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