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Commission for Energy Regulation
An Coimisiún um Rialáil Fuinnimh

Electricity and Gas Market Data Tables 2016

Information Note

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Regulating Water, Energy and Energy Safety in the Public Interest

The Exchange, Belgard Square North, Tallaght, Dublin 24, Ireland
+353 1 4000 800 | info@cer.ie | www.cer.ie

Electricity Market Data Tables 2016

Groups	Type	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
DG1	Urban Domestic	883,947	913,936	950,813	993,811	1,054,865	1,262,034	1,332,956	1,367,757	1,382,608	1,388,249	1,388,130	1,386,836	1,385,768	1,389,619	1394261	1403141
DG2	Rural Domestic	626,148	650,065	678,533	710,761	731,248	608,542	610,687	621,699	628,950	631,716	634,676	634,619	634,306	634,763	635849	638175
DG3+DG4	Public Light, Misc	4,883	5,322	5,681	6,175	6,662	6,487	9,147	10,004	10,437	10,908	11,194	11,383	11,626	11,840	12413	12877
DG5	LV Non MD	159,457	163,052	165,987	171,999	175,993	180,880	184,855	189,544	190,585	191,505	190,749	189,687	187,066	185,481	185061	184737
DG6	LV MD	8,687	8,472	8,289	8,682	9,903	11,098	12,221	13,226	13,416	13,303	13,175	13,007	12,929	12,902	12972	13088
DG7	MV	934	949	999	1,056	1,203	1,271	1,349	1,413	1,444	1,468	1,491	1,502	1,523	1,538	1567	1609
DG8	38kV Looped	39	39	38	37	59	66	70	77	75	77	86	35	35	37	35	36
DG9	38kV Tailed												55	55	58	62	66
DG10	110kV Network		1	1	1	1	2	1	4	6	6	6	6	8	9	9	13
<i>DG1-2</i>	<i>Total Domestic</i>	<i>1,510,095</i>	<i>1,564,001</i>	<i>1,629,346</i>	<i>1,704,572</i>	<i>1,786,113</i>	<i>1,870,576</i>	<i>1,943,643</i>	<i>1,989,456</i>	<i>2,011,558</i>	<i>2,019,965</i>	<i>2,022,806</i>	<i>2,021,455</i>	<i>2,020,074</i>	<i>2,024,382</i>	<i>2030110</i>	<i>2041316</i>
<i>DG3-6</i>	<i>Total LV Non Dom</i>	<i>173,027</i>	<i>176,846</i>	<i>179,957</i>	<i>186,856</i>	<i>192,558</i>	<i>198,465</i>	<i>206,223</i>	<i>212,774</i>	<i>214,438</i>	<i>215,716</i>	<i>215,118</i>	<i>214,077</i>	<i>211,621</i>	<i>210,223</i>	<i>210446</i>	<i>210702</i>
<i>DG7-10</i>	<i>Total MV & HV</i>	<i>973</i>	<i>989</i>	<i>1,038</i>	<i>1,094</i>	<i>1,263</i>	<i>1,339</i>	<i>1,420</i>	<i>1,494</i>	<i>1,525</i>	<i>1,551</i>	<i>1,583</i>	<i>1,598</i>	<i>1,621</i>	<i>1,642</i>	<i>1673</i>	<i>1724</i>
Total		1,684,095	1,741,836	1,810,341	1,892,522	1,979,934	2,070,380	2,151,286	2,203,724	2,227,521	2,237,232	2,239,507	2,237,130	2,233,316	2,236,247	2242229	2253742

Table A1 Distribution Customer Numbers, Electricity, from ESB Networks

Group	Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
DG1	Urban Domestic	3,611.30	3,836.10	4,053.40	4,182.20	4,302.00	4,426.00	4,602.60	5,432.20	5,711.70	6,044.90	5,930.10	6,048.70	5,870.80	5,700.50	5,582	5,411	5,472	5,505
DG2	Rural Domestic	2,620.60	2,790.30	2,984.70	3,142.40	3,264.20	3,405.80	3,515.00	3,084.30	2,992.40	3,090.90	3,043.60	3,119.50	3,073.10	2,966.50	2,908	2,831	2,887	2,925
DG3+DG4	Public Light, Misc	159.2	167.3	174.6	166.8	189.4	198.8	217	222.9	236.7	251	258.8	264.1	265.6	269.5	277	283	283	285
DG5	LV Non MD	2,950.40	3,138.20	3,242.70	3,394.90	3,623.20	3,840.30	4,043.40	4,212.00	4,219.40	4,275.70	3,995.40	3,940.10	3,794.10	3,674.80	3,625	3,567	3,630	3,656
DG6	LV Max Demand	2,828.30	3,039.50	3,267.50	3,292.40	3,313.70	3,352.00	3,546.80	3,840.70	4,041.70	4,168.30	3,991.60	3,992.90	3,898.80	3,849.50	3,834	3,785	3,781	3,816
DG7	MV	3,833.80	4,103.20	4,324.70	4,384.90	4,543.40	4,707.80	4,924.90	5,161.00	5,310.40	5,280.70	4,913.50	4,895.10	4,897.60	4,989.90	4,982	4,979	5,099	5168
DG8+DG9	38kV	779.9	737.1	778.9	800.3	807.9	794	810.2	861.3	852.7	839	739	669.4	648.1	677.9	712	721	744	746
DG10	110kV Network				8.2	36.7	75.4	87.6	88.2	91.6	92.9	83	133.1	187.5	223.4	438	575	714	948
<i>DG1-2</i>	<i>Total Domestic</i>	<i>6,231.90</i>	<i>6,626.30</i>	<i>7,038.10</i>	<i>7,324.60</i>	<i>7,566.20</i>	<i>7,831.80</i>	<i>8,117.60</i>	<i>8,516.50</i>	<i>8,704.00</i>	<i>9,135.70</i>	<i>8,973.70</i>	<i>9,168.20</i>	<i>8,943.90</i>	<i>8,667.00</i>	<i>8,491</i>	<i>8,242</i>	<i>8,359</i>	<i>8,431</i>
<i>DG3-6</i>	<i>Total LV Non Dom</i>	<i>5,937.90</i>	<i>6,344.90</i>	<i>6,684.80</i>	<i>6,854.10</i>	<i>7,126.20</i>	<i>7,391.10</i>	<i>7,807.20</i>	<i>8,275.60</i>	<i>8,497.90</i>	<i>8,694.90</i>	<i>8,245.90</i>	<i>8,197.00</i>	<i>7,958.50</i>	<i>7,793.80</i>	<i>7,736</i>	<i>7,634</i>	<i>7,694</i>	<i>7,757</i>
<i>DG7-10</i>	<i>Total MV & HV</i>	<i>4,613.70</i>	<i>4,840.30</i>	<i>5,103.60</i>	<i>5,193.40</i>	<i>5,388.00</i>	<i>5,577.20</i>	<i>5,822.70</i>	<i>6,110.50</i>	<i>6,254.70</i>	<i>6,212.50</i>	<i>5,735.60</i>	<i>5,697.60</i>	<i>5,733.20</i>	<i>5,891.20</i>	<i>6,133</i>	<i>6,276</i>	<i>6,557</i>	<i>6,862</i>
Total		16,783	17,811	18,826	19,372	20,080	20,800	21,747	22,902	23,456	24,043	22,955	23,062	22,635	22,352	22,359	22,152	22,610	23,050

Table A2 Distribution Annual Sales GWhs(at customer meter point), electricity, from ESB Networks

Group	Type	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
DG1	Urban Domestic	4.59	4.58	4.52	4.45	4.36	4.3	4.28	4.42	4.29	4.36	4.23	4.11	4.03	3.89	3.92	3.92
DG2	Rural Domestic	4.77	4.83	4.81	4.79	4.81	5.07	4.9	4.97	4.84	4.94	4.84	4.67	4.58	4.46	4.54	4.58
DG3+DG4	Public Light, Misc	35.75	31.33	33.33	32.19	32.57	34.36	25.88	25.09	24.8	24.21	23.72	23.67	23.79	23.87	22.80	22.11
DG5	LV Non MD	20.34	20.82	21.83	22.33	22.97	23.29	22.83	22.56	20.96	20.57	19.89	19.37	19.38	19.23	19.62	19.79
DG6	LV MD	376.14	388.63	399.77	386.09	358.16	346.07	330.72	315.16	297.52	300.15	295.93	295.96	296.54	293.35	291.47	291.60
DG7	MV	4,630.32	4,620.55	4,547.91	4,458.17	4,093.83	4,060.59	3,936.58	3,737.21	3,402.72	3,334.52	3,284.80	3,322.15	3,271.24	3,237.28	3,253.99	3,212.12
DG8+DG9	38kV	19,971	20,519	21,261	21,459	13,732	13,049	12,181	10,895.60	9,853.30	8,694.00	7,536.30	19,369	19,616.65	18,788.49	21,257.14	20,788.48
DG10	110kV Network		8,206.93	36,653.00	75,390.50	87,617.00	44,115.20	91,609.20	23,213.00	13,837.90	22,183.20	31,244.40	37,229	54,769.25	63,928.49	79,333.33	72,923.08
DG1-2	Total Domestic	4.66	4.68	4.64	4.59	4.54	4.55	4.48	4.59	4.46	4.54	4.42	4.29	4.2	4.07	4.12	4.25
DG3-6	Total LV Non Dom	38.63	38.76	39.6	39.55	40.54	41.7	41.21	40.86	38.45	38	37	36.41	36.56	36.32	36.56	111.17
DG7-10	Total MV & HV	5,245.22	5,251.15	5,190.71	5,098.01	4,610.24	4,563.49	4,404.74	4,158.29	3,761.02	3,673.52	3,621.75	3,686.59	3,783.31	3,821.91	3919.31	3,230.79
Total		11.18	11.12	11.09	10.99	10.98	11.06	10.9	10.91	10.31	10.31	10.11	9.99	10.01	9.91	10.08	10.35

Table A3 Distribution Annual Consumption MWh/Customer (at customer meter point), electricity, from ESB Networks

Group	Type	2016	2017	2018	2019	2020	2021
DG1	Urban Domestic	1,402,661	1,411,791	1,423,323	1,438,150	1,454,831	1,471,511
DG2	Rural Domestic	640,721	644,891	650,159	656,932	664,551	672,171
DG3+DG4	Public Light, Misc	12,018	12,168	12,351	12,598	12,850	13,107
DG5	LV Non MD	188,272	190,626	193,485	197,355	201,302	205,328
DG6	LV MD	13,096	13,260	13,459	13,728	14,003	14,283
DG7	MV	1,592	1,632	1,673	1,715	1,758	1,802
DG8	38kV Looped	37	37	37	37	37	37
DG9	38kV Tailed	58	58	58	58	58	58
DG10	110kV Network	9	9	9	9	9	9
<i>DG1-2</i>	<i>Total Domestic</i>	<i>2,043,382</i>	<i>2,056,682</i>	<i>2,073,482</i>	<i>2,095,082</i>	<i>2,119,382</i>	<i>2,143,682</i>
<i>DG3-6</i>	<i>Total LV Non Dom</i>	<i>213,387</i>	<i>216,054</i>	<i>219,295</i>	<i>223,681</i>	<i>228,155</i>	<i>232,718</i>
<i>DG7-10</i>	<i>Total MV & HV</i>	<i>1,696</i>	<i>1,736</i>	<i>1,777</i>	<i>1,819</i>	<i>1,862</i>	<i>1,906</i>
Total		2,258,465	2,274,472	2,294,554	2,320,582	2,349,398	2,378,305

Table A4 Distribution Customer Number Forecast 2016-2021, from ESB Networks

Group	Type	2016	2017	2018	2019	2020	2021
DG1	24Hr	4,372	4,342	4,337	4,346	4,374	4,378
DG1	Dual Tariff - Day	525	521	521	522	525	525
DG1	Dual Tariff - Night	566	562	561	562	566	567
DG1	Urban Domestic	5,462	5,426	5,419	5,430	5,465	5,470
DG2	24Hr	2,253	2,238	2,235	2,240	2,254	2,256
DG2	Dual Tariff - Day	345	343	342	343	345	346
DG2	Dual Tariff - Night	260	258	258	258	260	260
DG2	Rural Domestic	2,858	2,839	2,835	2,841	2,860	2,862
DG3+DG4	Public Light, Misc	290	294	300	307	315	322
DG5	24Hr	1,536	1,556	1,585	1,624	1,668	1,704
DG5	Dual Tariff - Day	1,366	1,384	1,409	1,444	1,483	1,515
DG5	Dual Tariff - Night	763	773	787	806	828	846
DG5	LV Non MD	3,665	3,713	3,782	3,874	3,979	4,065
	Day	2,801	2,837	2,890	2,961	3,041	3,107
	Night	1,088	1,102	1,123	1,150	1,181	1,207
DG6	LV MD	3,889	3,939	4,013	4,111	4,222	4,313
	Day	3,529	3,619	3,722	3,827	3,947	4,047
	Night	1,737	1,781	1,832	1,884	1,942	1,992
DG7	MV	5,266	5,401	5,554	5,711	5,889	6,039
	Day	441	452	465	478	493	505
	Night	246	252	259	267	275	282
DG8	38kV Looped	687	704	724	745	768	787
	Day	49	50	52	53	55	56
	Night	27	28	29	30	31	31
DG9	38kV Tailed	76	78	80	83	85	87
	Day	383	393	404	416	428	439
	Night	225	231	238	244	252	258
DG10	110kV Network	609	624	642	660	681	698
<i>DG1-2</i>	<i>Total Domestic</i>	<i>8,320</i>	<i>8,264</i>	<i>8,233</i>	<i>8,209</i>	<i>8,221</i>	<i>8,186</i>
<i>DG3-6</i>	<i>Total LV Non Dom</i>	<i>7,844</i>	<i>7,946</i>	<i>8,085</i>	<i>8,263</i>	<i>8,467</i>	<i>8,629</i>
<i>DG7-10</i>	<i>Total MV & HV</i>	<i>7,025</i>	<i>7,970</i>	<i>8,938</i>	<i>9,912</i>	<i>10,912</i>	<i>11,489</i>
Total	Distribution	23,189	24,181	25,257	26,383	27,599	28,304

Table A5 Distribution Consumption Forecast 2016-2021, GWh, from ESB Networks

Gas Market Data Tables 2016¹

Unit	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Power GWh/y	25,630	29,775	34,688	37,758	36,007	39,338	35,432	29,864	28,156	26,910	24,708	27,450
I/C GWh/y	11,127	10,352	10,486	10,507	10,415	10,499	12,021	13,244	13,700	13,682	15,013	15,733
Domestic GWh/y	7,757	8,149	7,716	8,239	8,312	8,492	8,340	7,326	8,216	6,991	7,414	7,167
Total Irish GWh/y	44,514	48,276	52,890	56,504	54,734	58,239	55,726	50,435	50,072	47,582	47,136	50,350

Figure B1 Historic Irish Gas Demand²

Unit	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Power GWh/y	24,800	24,400	24,700	25200	25500	27700	27600	27700	27800
I/C GWh/y	14,900	15,000	14,900	14900.00	14900	14800	14800	14800	14700
Domestic GWh/y	6,900	6,800	6,800	6800.00	6700	6600	6600	6500	6500
Total Irish GWh/y¹	63,100	64,400	63,700	63900	63900	65500	66100	66200	66400

Figure B2 Forecast Irish Gas Demand – Grey Scenario³⁴

¹ Source: Gas Networks Ireland, Network Development Plan

² Gas Demand is summarised by 'Gas Year' i.e. the period from 1 October to the following 30 September

³ Discrepancies between the total and the sum of Power, I/C and Res can be attributed to own use.

⁴ The grey and green scenarios represent a range of potential gas demands, to be used for network planning purposes and are intended to represent a low growth and a higher growth forecast respectively.

Unit	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Power GWh/y	25900	26000	26900	27900	28400	31000	31100	31300	31700
I/C GWh/y	15400	15800	16200	16600	17000	17400	17800	18200	18600
Domestic GWh/y	6900	6900	6900	6900	6800	6800	6800	6800	6800
Total Irish GWh/y[1]	64700	66900	67400	68500	69300	71800	73300	74200	75300

Figure B3 Forecast Irish Gas Demand – Green Scenario

