



An Coimisiún
um Rialáil Fóntas
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Electricity and Gas Market Data Tables 2017

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Electricity Market Data Tables 2017

Groups	Type	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
DG1	Urban Domestic	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	1,415,760
DG2	Rural Domestic	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	641,554
DG3+DG4	Public Light, Misc	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	13,457
DG5	LV Non MD	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	184,591
DG6	LV MD	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	13,280
DG7	MV	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	1,529
DG8	38kV Looped	39	38	37	59	66	70	77	75	77	86	35	35	37	35	36	33
DG9	38kV Tailed											55	55	58	62	66	73
DG10	110kV Network	1	1	1	1	2	1	4	6	6	6	6	8	9	9	13	14
DG1-2	<i>Total Domestic</i>	1,564,001	1,629,346	1,704,572	1,786,113	1,870,576	1,943,643	1,989,456	2,011,558	2,019,965	2,022,806	2,021,455	2,020,074	2,024,382	2,030,110	2,041,316	2,057,314
DG3-6	<i>Total LV Non Dom</i>	176,846	179,957	186,856	192,558	198,465	206,223	212,774	214,438	215,716	215,118	214,077	211,621	210,223	210,446	210,702	211,328
DG7-10	<i>Total MV & HV</i>	989	1,038	1,094	1,263	1,339	1,420	1,494	1,525	1,551	1,583	1,598	1,621	1,642	1,673	1,724	1,649
Total		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	2,242,229	2,253,742	2,270,291

Table A1 Distribution Customer Numbers, Electricity, from ESB Networks

Group	Type	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
DG1	Urban Domestic	4,182	4,302	4,426	4,603	5,432	5,712	6,045	5,930	6,049	5,871	5,701	5,582	5,411	5,472	5,505	5,516
DG2	Rural Domestic	3,142	3,264	3,406	3,515	3,084	2,992	3,091	3,044	3,120	3,073	2,967	2,908	2,831	2,887	2,925	2,951
DG3+D G4	Public Light, Misc	167	189	199	217	223	237	251	259	264	266	270	277	283	283	285	284
DG5	LV Non MD	3,395	3,623	3,840	4,043	4,212	4,219	4,276	3,995	3,940	3,794	3,675	3,625	3,567	3,630	3,656	3,617
DG6	LV Max Demand	3,292	3,314	3,352	3,547	3,841	4,042	4,168	3,992	3,993	3,899	3,850	3,834	3,785	3,781	3,816	3,772
DG7	MV	4,385	4,543	4,708	4,925	5,161	5,310	5,281	4,914	4,895	4,898	4,990	4,982	4,979	5,099	5,168	5,326
DG8+D G9	38kV	800	808	794	810	861	853	839	739	669	648	678	712	721	744	746	767
DG10	110kV Network	8	37	75	88	88	92	93	83	133	188	223	438	575	714	948	1,111
DG1-2	<i>Total Domestic</i>	7,325	7,566	7,832	8,118	8,517	8,704	9,136	8,974	9,168	8,944	8,667	8,491	8,242	8,359	8,431	8,467
DG3-6	<i>Total LV Non Dom</i>	6,854	7,126	7,391	7,807	8,276	8,498	8,695	8,246	8,197	7,959	7,794	7,736	7,634	7,694	7,757	7,672
DG7-10	<i>Total MV & HV</i>	5,193	5,388	5,577	5,823	6,111	6,255	6,213	5,736	5,698	5,733	5,891	6,133	6,276	6,557	6,862	7,203
Total		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	23,342

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

Group	Type	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
DG1	Urban Domestic	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	3.91
DG2	Rural Domestic	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	4.61
DG3+DG4	Public Light, Misc	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	3.60
DG5	LV Non MD	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	19.65
DG6	LV MD	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	284.03
DG7	MV	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	3,215.67
DG8+DG9	38kV	20,520.51	21,260.53	21,459.46	13,732.20	13,050.00	12,181.43	10,896.10	9,853.33	8,693.51	7,536.05	7,532.22	7,911.11	7,589.47	7,670.10	7,313.82	7,033.66
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	78,104.38
DG1-2	<i>Total Domestic</i>	4.71	4.67	4.62	4.59	4.69	4.59	4.70	4.57	4.65	4.54	4.39	4.31	4.18	4.23	4.25	4.26
DG3-6	<i>Total LV Non Dom</i>	146.93	151.64	146.87	137.90	134.57	126.48	120.94	114.43	114.98	113.18	113.00	113.24	112.15	111.30	111.17	102.43
DG7-10	<i>Total MV & HV</i>	11,116.00	20,820.48	33,769.38	35,147.68	20,408.60	35,909.07	12,615.44	9,031.32	11,403.74	14,021.75	16,027.79	21,983.87	24,918.41	30,085.81	27,816.34	29,451.24
Total		204.73	210.80	204.21	190.57	184.68	176.78	168.86	159.24	160.36	157.91	157.67	157.96	156.29	155.54	155.69	151.84

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

Group	Type	2017	2018	2019	2020	2021	2022
DG1	Urban Domestic	1,415,760	1,445,149	1,478,643	1,516,923	1,556,109	1,599,465
DG2	Rural Domestic	641,554	654,872	670,050	687,396	705,153	724,800
DG3+DG4	Public Light, Misc	13,457	13,886	14,280	14,636	14,826	15,018
DG5	LV Non MD	184,591	190,475	195,885	200,766	203,368	206,004
DG6	LV MD	13,280	13,703	14,092	14,444	14,631	14,821
DG7	MV	1,529	1,635	1,735	1,827	1,928	2,034
DG8	38kV Looped	33	33	33	33	33	33
DG9	38kV Tailed	73	73	73	73	73	73
DG10	110kV Network	14	14	14	14	14	14
DG1-2	<i>Total Domestic</i>	2,057,314	2,100,021	2,148,693	2,204,320	2,261,262	2,324,266
DG3-6	<i>Total LV Non Dom</i>	211,328	218,064	224,257	229,845	232,825	235,842
DG7-10	<i>Total MV & HV</i>	1,649	1,740	1,840	1,932	2,033	2,139
Total		2,270,291	2,319,825	2,374,790	2,436,097	2,496,119	2,562,247

Table A4 Distribution Customer Number Forecast 2017-2022, from ESB Networks

Group	Type	2017	2018	2019	2020	2021	2022
DG1	24Hr	4,381	4,491	4,607	4,740	4,824	4,923
DG1	Dual Tariff - Day	562	576	590	608	618	631
DG1	Dual Tariff - Night	574	589	604	621	632	645
DG1	Urban Domestic	5,516	5,656	5,801	5,969	6,075	6,199
DG2	24Hr	2,284	2,341	2,402	2,471	2,515	2,566
DG2	Dual Tariff - Day	390	399	410	422	429	438
DG2	Dual Tariff - Night	278	285	292	300	306	312
DG2	Rural Domestic	2,951	3,025	3,103	3,193	3,250	3,316
DG3+DG4	Public Light, Misc	284	288	292	296	292	289
DG5	24Hr	1,521	1,546	1,566	1,586	1,564	1,547
DG5	Dual Tariff - Day	1,347	1,369	1,387	1,404	1,385	1,369
DG5	Dual Tariff - Night	749	761	771	781	770	762
DG5	LV Non MD	3,617	3,676	3,725	3,771	3,719	3,678
	Day	2,706	2,751	2,787	2,822	2,783	2,752
	Night	1,065	1,083	1,097	1,111	1,096	1,083
DG6	LV MD	3,772	3,834	3,884	3,933	3,879	3,836
	Day	3,561	3,653	3,728	3,797	3,849	3,913
	Night	1,764	1,810	1,847	1,881	1,907	1,938
DG7	MV	5,326	5,462	5,575	5,679	5,756	5,851
	Day	442	454	463	472	478	486
	Night	249	255	261	265	269	274
DG8	38kV Looped	691	709	724	737	747	760
	Day	50	51	52	53	54	55
	Night	26	26	27	27	28	28
DG9	38kV Tailed	75	77	79	80	81	83
	Day	700	706	721	719	715	718
	Night	411	415	423	423	420	422
DG10	110kV Network	1,111	1,120	1,144	1,142	1,134	1,139
<i>DG1-2</i>	<i>Total Domestic</i>	<i>8,467</i>	<i>8,681</i>	<i>8,904</i>	<i>9,163</i>	<i>9,325</i>	<i>9,515</i>
<i>DG3-6</i>	<i>Total LV Non Dom</i>	<i>7,672</i>	<i>7,798</i>	<i>7,901</i>	<i>8,001</i>	<i>7,890</i>	<i>7,803</i>
<i>DG7-10</i>	<i>Total MV & HV</i>	<i>7,203</i>	<i>7,369</i>	<i>7,522</i>	<i>7,638</i>	<i>7,720</i>	<i>7,833</i>
Total	Distribution	23,342	23,848	24,327	24,802	24,935	25,151

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	29,061
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	15,581
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	6,835
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	51,478

Figure B1 Historic Irish Gas Demand²

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

Unit	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Power GWh/y	29,100	27,200	25,800	27,700	28,800	28,700	28,800	28,700	28,900	28,900
I/C GWh/y	16,200	16,400	16,500	16,500	16,400	16,300	16,200	16,100	16,000	15,800
Domestic GWh/y	7,100	7,100	7,000	7,000	7,000	7,000	6,900	6,900	6,900	6,900
Total Irish GWh/y[1]	69,500	68,100	66,700	68,900	71,000	70,800	71,900	72,100	72,200	72,400

Figure B2 Forecast Irish Gas Demand – Low Demand Scenario³⁴

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	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Power GWh/y	29,300	28,000	27,300	29,800	31,800	31,700	32,000	32,400	32,800	33,400
I/C GWh/y	16,200	16,400	16,700	16,800	16,900	17,000	17,100	17,200	17,400	17,700
Domestic GWh/y	7,100	7,100	7,200	7,200	7,200	7,200	7,200	7,200	7,200	7,200
<u>Total Irish GWh/y[1]</u>	69,800	69,000	68,600	71,600	74,900	74,800	76,200	77,300	77,900	79,400

Figure B3 Forecast Irish Gas Demand – Median Demand Scenario

Unit	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Power GWh/y	29,500	28,100	28,000	31,200	34,000	34,600	35,400	36,200	36,800	37,600
I/C GWh/y	16,200	16,500	16,800	17,000	17,200	17,400	17,600	17,900	18,200	18,700
Domestic GWh/y	7,100	7,200	7,200	7,300	7,300	7,400	7,400	7,500	7,500	7,500
<u>Total Irish GWh/y[1]</u>	70,000	69,300	69,500	73,300	77,500	78,300	80,400	82,100	83,200	85,300

Figure B3 Forecast Irish Gas Demand – High Demand Scenario