Commission for Energy Regulation

An Coimisiún um Rialáil Fuinnimh

Electricity Retail Market Information Report

CER/08/090

10th June 2008

Contents

Glossary

CER: Commission for Energy Regulation

DEC: Demand Energy Coefficient

DUOS: Distribution Use of System

HV: High Voltage

LEU: Large Energy User

LVMD: Low Voltage Maximum Demand

MD: Maximum Demand

MRSO: Meter Registration Operator

MWh: Megawatt hour

NQH: Non Quarter Hourly

PES: Public Electricity Supplier

PPPT: Pool Price Pass Through

QH: Quarter Hourly

SEM: Single Electricity Market

SLP: Standard Load Profile

SME: Small Medium Enterprise

Executive Summary

With the advent of competition and the commencement of the Single Electricity Market (SEM), the Irish electricity sector has witnessed a period of significant market reform. In order to support recent market developments, the CER has committed to the publication of a market information report, with the intention to improve transparency and facilitate competition in the retail electricity sector. The key points within this report are as follows:-

- During the period 2003 - 2007, the number of electricity customers in the Republic of Ireland increased by 18.8% to 2,151,286.
- Urban and Rural Domestic customers comprise the largest proportion of customer numbers at 62.2% and 28.5% respectively. SME's constitute 9.2% of total customer numbers, with LEU customers representing approximately 0.1% of the total customer base.
- The total number of customers consuming electricity in Ireland is forecasted to increase by 12% between 2008-2012.
- The highest percentage growth is expected to occur within the LEU customer segment, with a predicted growth rate of 25% between 2008 and 2012.
- Between 2003-2007, the total volume of electricity consumed in the Republic of Ireland increased by 16.8% to 23,456.6 GWh.
- SME customers account for 35.5% of total electricity consumption, followed by LEU's at 27%, urban domestic customers at 24.5% and rural domestics at 13%.
- Total electricity consumption in Ireland is forecasted to increase by 13.1% between 2008-2012.
- ESBCS remains the dominant supplier within the domestic customer market, with independent supplier's share of the LV Non MD and LVMD market increasing to 35.2% and 54.6% in 2007. Similarly, in 2007 independent supplier's share of MVMD and HV customers increased to 69.2% and 65.7%.
- Net churn figures reveal that ESBCS lost on average 1112 customers per month, while gaining on average 124 customers per month during 2007.

1 Introduction

In order to support the development of retail competition, the CER has committed to the publication of a retail market information report for the electricity sector. It is intended that this report will improve transparency and facilitate future competition in the retail market.

This report presents relevant market statistics, including information on overall customer numbers and consumption, forecast data, customer load profiles, market shares and churn rates.[1] The data presented in this report has been gathered by ESB Networks and the Meter Registration System Operator (MRSO). The MRSO is a "ringfenced" function within ESB Networks responsible for the Change of Supplier process and the communication/aggregation of meter data in the SEM.

This report is the first comprehensive look at retail market statistics in the Irish electricity market. The CER intends to make on-going improvements to this report and expanding the scope to include the retail gas market, which will enhance our process of data collection and analysis.

2 Customer Numbers & Electricity Consumption

This section provides a synopsis of customer numbers and consumption data for the three key categories of customer in the retail market; Domestic, Small Medium Enterprises and Large Energy Users. Customer categories are based on their connection to the network and the appropriate Distribution Use of System (DUoS)[2] Groups; Domestic (DG1-DG2), SME (DG5-DG6) and LEU (DG7-DG10). This report currently excludes an analysis of Public Lighting and Unmetered Supply (DG3-DG4) customers, however data on DG3 & DG4 customer groups is included in the appendices. A complete breakdown of customer numbers, annual sales and consumption per customer for each DUoS group is provided in the Appendix in Tables 6.1, 6.2 and 6.3.

[1] Figures provided in this report exclude transmission connected sites.

[2] A full description of all DUoS groups is available here or www.esb.ie/esbnetworks/downloads/description_duos_mcc.pdf

2.1 Customer Numbers

During the period 2003 - 2007, the total number of electricity customers in the Republic of Ireland increased by 18.8% to 2,151,286 in 2007. The growth in electricity customers can be attributed to a range of factors including strong economic growth, immigration and increases in housing construction.

A breakdown of electricity customer numbers per DUoS group for 2007 is shown in Figure 2.1. Domestic customers comprise the largest proportion of customer numbers at 90.7%. SME's constitute 9.2% of total customer numbers, with LEU customers representing approximately 0.1% of the total customer base.

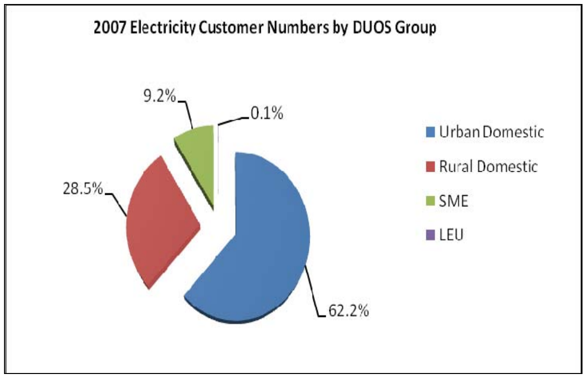

Fig.2.1 2007 Electricity Customer Numbers by DUOS Group

2.1.1 Domestic Customer Numbers

Figure 2.2 illustrates the number of urban and rural domestic customer's between 2003-2007. During this timeframe, the total number of domestic customers increased by 19.3%. Urban and rural customers are distinguished by their connection to the network, which is either a single or three phase connection.

The expansion in total domestic customer numbers can be attributed to the increase in urban domestic customers, which grew by 40.2% from 950,813 customers in 2003 to 1,332,956 customers in 2007. During the same period, the number of rural customers declined 10% from 678,533 in 2003 to 610,687 in 2007. The decrease in rural customer numbers can be explained partly by the reclassification of rural customers into the urban DUoS group.

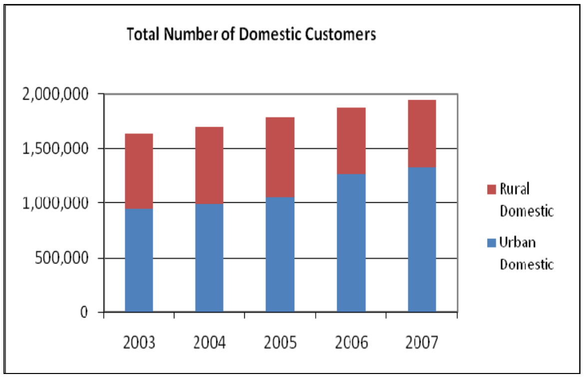

Fig.2.2 Total Number of Domestic Customers

2.1.2 SME Customer Numbers

SME customers are categorised as Low Voltage customers, based on their connection to the network. Within this group, customers are further categorised based on their maximum demand, which relates to customer charges based on their maximum electrical capacity.

Figure 2.3 provides a breakdown of Low Voltage MD (LVMD) and Low Voltage Non-MD (LV Non-MD) customer numbers. Over the last five years, the total number of SME customers increased by 13.1% to 197,076. In the years 2003-2007 the number of LV (Non-MD) customer numbers increased by 11.4% from 165,987 in 2003 to 184,855 in 2007. At the higher end of the SME sector, the number of LVMD customers increased by 47.4% from 8,289 in 2003 to 12,221 in 2007.

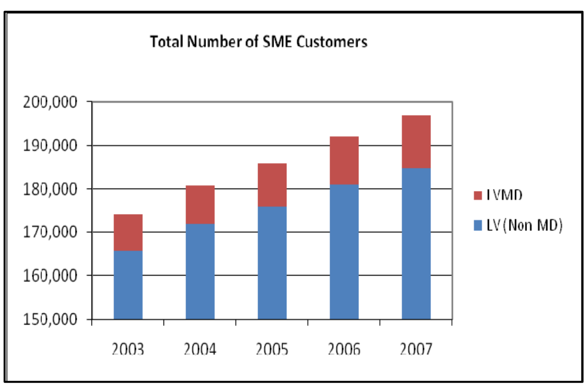

Fig.2.3 Total Number of SME Customers

2.1.3 LEU Customer Numbers

The LEU sector represents less than 0.1% of the total market in 2007 but accounts for 26.9% of total market consumption. This category refers to commercial and industrial customers who are connected at Medium and High voltages; Medium Voltage Maximum Demand (MVMD) and High Voltage (HV 38kV & HV 110kV).

A summary of MVMD, HV 38kV and HV 110kV customer numbers is shown in Figure 2.4. In the years 2003-2007, the total number of LEU customers increased by 36.8% to 1420. This accounted for a 35% increase in the number of MVMD customers from 999 customers in 2003 to 1,349 customers in 2007. In the same period the number of HV 38kV customers increased from 38 customers in 2003 to 70 customers in 2007. By the end of 2007, only one customer was connected at HV 110 kVA.

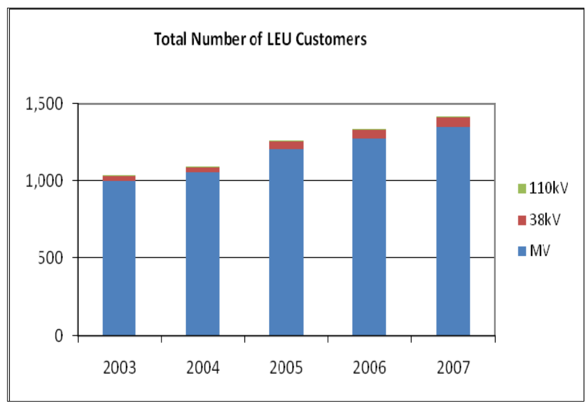

Fig.2.4 Total Number of LEU Customers

2.1.4 Customer Number Forecasts

Based on projected GDP and population growth figures, the total number of customers consuming electricity in Ireland is forecasted to increase by 12% between 2008 - 2012. A summary of customer number forecasts is provided in Figure 2.5.

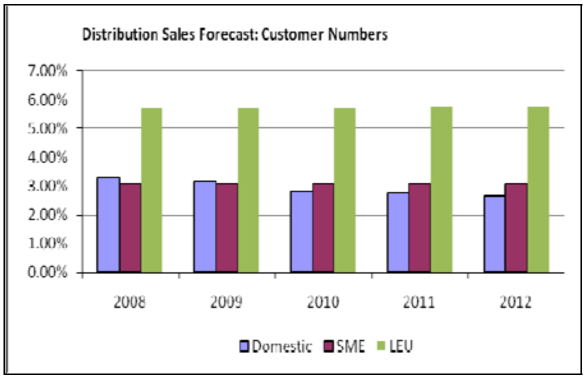

Fig.2.5 Distribution Sales Forecast: Customer Numbers

The highest percentage growth is expected to occur within the LEU customer segment, with forecasted growth rate of 25% between 2008 and 2012. A complete breakdown of customer forecasts is provided in Appendix under Table 6.4.

2.2 Electricity Consumption

Overall electricity consumption, measured in GWh, has increased in response to a rise in customer numbers. During the period 2003 - 2007, the total volume of electricity consumed in the Republic of Ireland increased by 16.8% to 23,456.6 GWh in 2007. Table 6.5 in the Appendix provides a breakdown of percentage changes in consumption growth over the last ten years.

Figure 2.6 shows electricity consumption by customer sector. A breakdown of consumption figures confirmed that SMEs consume the largest proportion of electricity at 35.5%, followed by LEU's at 27%, urban domestic customers at 24.5% and rural domestic customers at 13%.

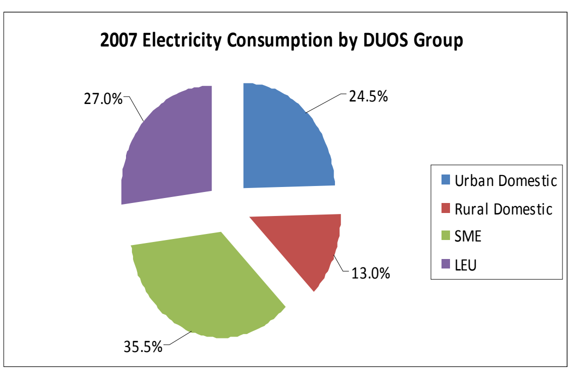

Fig.2.6 2007 Electricity Consumption by DUOS Group

2.2.1 Domestic Customer Consumption

During the period 1997-2007, an urban customer consumed on average 4.4 MWh in comparison to 4.7MWh for a rural customer. In 2001, the annual MWh consumption per urban customer peaked at 4.586 MWh, while declining to 4.28 MWh per customer in 2007. The annual MWh consumption for a rural customer peaked at 5.068 MWh in 2006, while reducing to 4.9 MWh in 2007. Figure 2.7 shows domestic consumption for the period 1997 – 2007.

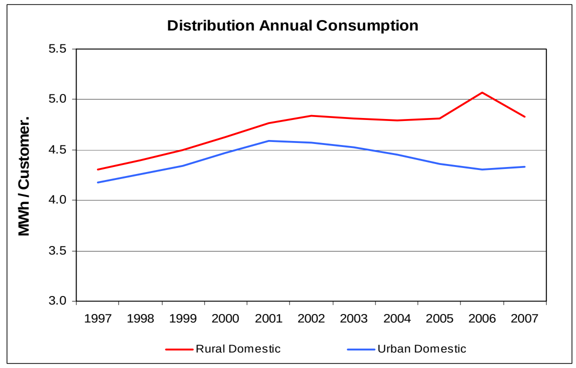

Fig.2.7 Annual Consumption (Domestic)

2.2.2 SME Customer Consumption

LV Non-MD customers consumed 21 MWh of electricity on average per customer in the years 1997-2007. During this period, the consumption level of LV Non-MD customers generally reveals an upward trend. However, this growth slowed in 2007, dropping by -2.0% on the previous year.

LVMD customers consumed 375.4 MWh on average per customer between 1997 -2007. In 2003, the annual MWh consumption per customer peaked at 399.8 MWh, while declining to 330.7 MWh per customer in 2007. Figure 2.8 presents SME's consumption for the period 1997-2007.

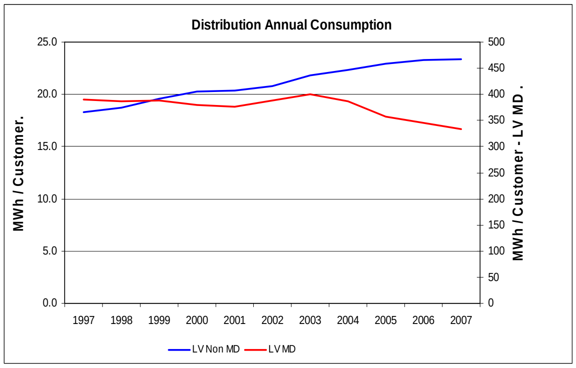

Fig.2.8 Annual Consumption (SME)

2.2.3 LEU Customer Consumption

MVMD customers consumed on average 4377 MWh per customer between 1997 and 2007. Within this period, peak consumption reached 4630 MWh per customer in 2001. However, since 2001 MVMD consumption has declined to 3937 MWh per customer in 2007.

Consumption for customers connected at HV 38kV decreased from a peak of 21,459 MWh in 2004 to 12,181 MWh in 2007. The HV 110kV customer segment experienced a continued increase in consumption from 2002 – 2007, with consumption reaching its highest level of 91,609 MWh in 2007. LEU consumption patterns are shown in Figure 2.9.

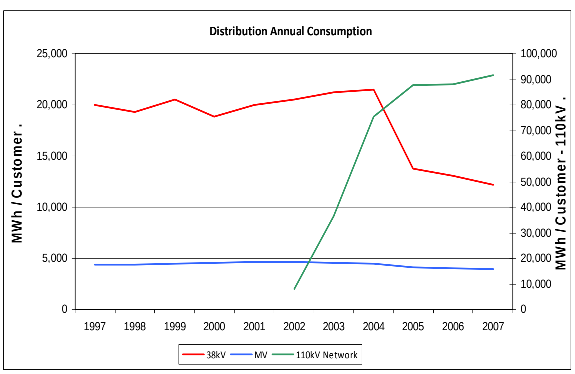

Fig.2.9 Annual Consumption (LEU)

2.2.4 Electricity Consumption Forecasts

Total electricity consumption in Ireland is forecasted to increase by 13.1% between 2008-2012. Figure 2.10 presents the forecasted customer consumption for the years 2008-2012. The highest percentage growth is expected to occur within the domestic market, with a predicted growth rate of 14.5%. A complete breakdown of consumption forecasts is provided in the Appendix under table 6.6.

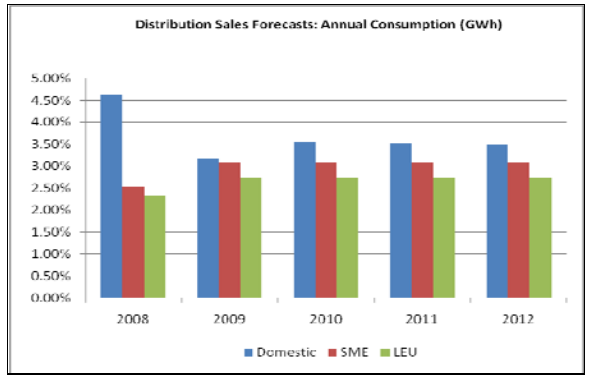

Fig.2.10 Distribution Sales Forecast: Annual Consumption

2.3 Customer Load Profiles

Standard customer load profiles (SLP) were developed for the Irish Market in 2001. Nine SLPs were developed for the retail market, together with derived profiles for the unmetered Public Lighting supplies. Sample meters were installed during 2003 and early 2004 and the first profile data collected, validated and processed to create the base profiles for the 2005 calendar year.

Profile data is collected and processed annually, using the most recent profile data from the sample meters, to create the base SLPs for the following year. The profile data is then unitised, so that all Demand Energy Coefficients (DECs), for each Quarter Hour (QH) interval, add up to 1.0 for each SLP. The published unitised SLPs are derived into Day and Night unitised profiles.

The derived SLPs are used for Non Quarterly Hour (NQH) settlement of customers. They are also used for estimating NQH customers' consumption, in conjunction with the historical bi-mensal meter reads. The previous year's SLPs are available on the RMDS website[3].

3 Click here for [RMDS Standard Load Profiles](http://www.rmdservice.com/guidance/standard_load_profiles.htm) or alternatively,http://www.rmdservice.com/guidance/standard_load_profiles.htm

Three unmetered Public Lighting profiles are also produced each year, along with a burn hour calendar for each. These profiles represent the 24-Hour, Dusk to Midnight and Dusk to Dawn Public Lighting burn hours and unitised profiles. The unitised profiles and the burn hours are used for billing the unmetered supplies. A separate Night Storage Heating (NSH) unitised profile is developed from historical data.

3 Market Share

The electricity market has been described thus far in terms of overall customer numbers, consumption and load profiles within the different customer segments. All segments of the market have been open to full retail competition since 2005 and there are currently 9 suppliers active in the market. This section reports on market share, measured in customer numbers, and provides a breakdown between ESB Customer Supply (ESBCS), the incumbent supplier, and the 6 independent suppliers active in the market during 2007. Data is presented as an amalgamated figure for all independent suppliers in the SME and LEU market segments.

3.1 Domestic Market

The key characteristic of the domestic retail market is the dominance of ESBCS. Despite full market contestability since 2005, ESBCS remains the dominant supplier, with a market share of 99.71%.

3.2 SME Market

Independent suppliers have developed a strong presence in the SME market. Within the LV Non MD segment, independent suppliers increased their market share from 31% in 2006 to 35.2% in 2007. This represents 48.5% of total customer consumption for this market segment. Competition within the LVMD customer segment is even stronger with independent suppliers commanding 54.6% of market share 2007. This represents 61.4% of the market when measured as consumption.

Figure 3.1 provides a breakdown of 2007 customer numbers between ESBCS and independent suppliers for the LVMD and LV Non-MD market.

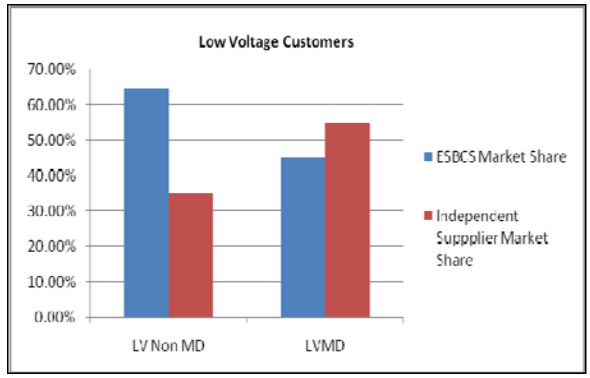

Fig.3.1 Market Share Low Voltage Customers

3.3 LEU Market

Independent suppliers have developed a significant market presence within the MVMD and HV (38kV & 110kV) customer groups, supplying 69.2% and 65.7% of customers respectively in 2007. This represents 84.2% of the market in terms of consumption for MVMD customers and 98.6% of HV (38kV & 110kV) customer consumption. Figure 3.2 shows a breakdown of percentage market share for MVMD and HV customers.

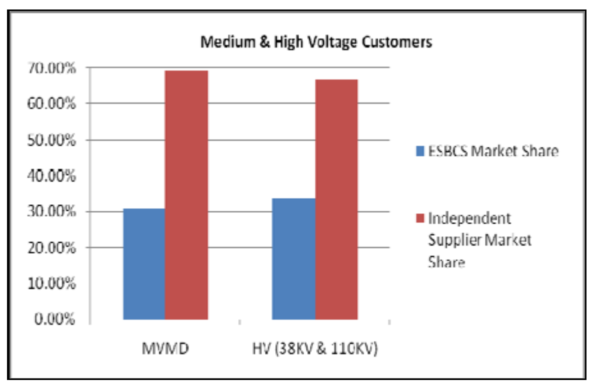

Fig.3.2 Market Share Medium & High Voltage Customers

The growth in independent supplier's market share can be attributed to a CER direction issued in 2006 that prevented new LEU customers and existing LEU customers with independent suppliers from returning to ESBCS, which is the designated Public Electricity Supplier (PES).[4] This measure was

[4] Direction on Ending Tariff regulation for Large Energy Users 06/167

intended to support growing competition within this sector.

3.4 Customer Switching

Customer churn is a key indicator of retail competition and supplier activity within the retail market. Figure 3.3 highlights the number of customers that ESBCS has lost and gained on a monthly basis during 2007. The number of customer transfers between independent suppliers is also shown. Net churn figures for 2007 (excluding new registrations) show:-

- on a monthly basis, ESBCS lost on average 1112 customers while gaining on average 124 customers during 2007.
- approximately 665 customers switched between independent suppliers on a monthly basis during 2007
- the highest rate of net transfers occurred in March, while the lowest rate of transfer activity occurred in December.

A complete breakdown of monthly net churn figures is provided in Appendix under Table 6.7.

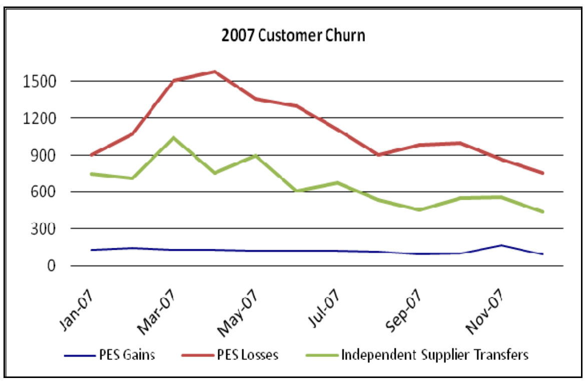

Fig.3.3 Customer Churn in 2007

4 Electricity Prices

The retail tariffs charged to customers by ESBCS are regulated by the CER. ESBCS customer tariffs for 2007/2008 are published on the CER website[5]. The primary driver for electricity prices is the cost of fuel. However, in the period up to 2004 there was also significant investment in network infrastructure by ESB Networks, which contributed to progressive increases in retail prices.

In the tariff year 2007/2008 retail prices decreased on average by 6.1%. The average decreases within individual customer groups were as follows:-

- domestic customers saw an average decrease of 5.4% in 2007/2008.

- LV Non-MD customers saw an average decrease by 4.4% in 2007/2008.

- LVMD customers who were supplied by ESBCS in 2007 saw an average decrease by 8.4% in 2007/2008. New LVMD customers or LVMD customers returning to ESBCS, having not been supplied by ESBCS during 2007, received an average decrease of 2.3%.

Since the launch of the SEM tariffs charged to LEU customers are no longer regulated. Consequently, all ESBCS LEU customers have moved onto a Pool Price Pass Through (PPPT) Tariff in March 2008, which is reflective of the underlying price of electricity within the wholesale pool.

A summary of percentage changes in ESBCS's regulated electricity prices since 2001 is provided in the Appendix under Table 6.8.

5 Conclusion

The electricity market has grown significantly in the last 10 years. Customer numbers and consumption has increased and growth is forecast to continue in the next 4-5 years. While competition has been slow to develop in the domestic sector, independent suppliers have captured a significant proportion of market share in the SME and LEU customer categories. The CER intends that this report will prove to be a useful reference for suppliers and industry participants monitoring trends and changes in market features. The next retail market report will also provide information on the gas market, including statistical and further qualitative analysis.

[5] Direction to ESB PES on Tariffs to Apply From 1st January 2007 CER 07/191

6 Appendices

6.1 Distribution Customer Numbers

Groups	Type	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
DG1	24Hr									921,918	1,103,521	1,165,535
DG1	Dual Tariff									132,947	158,513	167,421
DG1	Total Urban Domestic	778,287	805,136	831,836	857,336	883,947	913,936	950,813	993,811	1,054,865	1,262,034	1,332,956
DG2	24Hr									685,094	570,614	572,625
DG2	Dual Tariff									46,154	37,928	38,062
DG2	Total Rural Domestic	551,012	564,646	582,178	603,270	626,148	650,065	678,533	710,761	731,248	608,542	610,687
DG3+DG4	Public Light, Misc	3,305	3,683	4,063	4,492	4,883	5,322	5,681	6,175	6,662	6,487	9,147
DG5	24Hr									132,635	134,236	137,186
DG5	Dual Tariff									43,358	46,644	47,669
DG5	Total LV Non MD	144,053	147,219	150,889	154,785	159,457	163,052	165,987	171,999	175,993	180,880	184,855
DG6	LV MD	6,249	6,782	7,269	8,019	8,687	8,472	8,289	8,682	9,903	11,098	12,221
DG7	MV	774	831	863	894	934	949	999	1,056	1,203	1,271	1,349
DG8+DG9	38kV	35	38	38	39	39	39	38	37	59	66	70
DG10	110kV Network	0	0	0	0	0	1	1	1	1	1	1
DG1-2	Total Domestic	1,329,299	1,369,782	1,414,014	1,460,606	1,510,095	1,564,001	1,629,346	1,704,572	1,786,113	1,870,576	1,943,643
DG3-6	Total LV Non Dom	153,607	157,684	162,221	167,296	173,027	176,846	179,957	186,856	192,558	198,465	206,223
DG7-10	Total MV & HV	809	869	901	933	973	989	1,038	1,094	1,263	1,338	1,420
All	24Hr									1,746,309	1,814,858	1,884,493
	Dual Tariff									233,625	255,522	266,793
Total		**1,483,715**	**1,528,335**	**1,577,136**	**1,628,835**	**1,684,095**	**1,741,836**	**1,810,341**	**1,892,522**	**1,979,934**	**2,070,379**	**2,151,286**

Source: ESB Networks

6.2 Distribution Annual Sales GWh

Group	Type	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
DG1	24Hr									3,632.4	4,268.1	4,514.5
DG1	Dual Tariff - Day									416.3	515.0	547.5
DG1	Dual Tariff - Night									553.9	649.0	649.7
DG1	Total Urban Domestic	3,249.6	3,430.1	3,611.3	3,836.1	4,053.4	4,182.2	4,302.0	4,426.0	4,602.6	5,432.2	5,711.7
DG2	24Hr									2,855.4	2,503.4	2,429.6
DG2	Dual Tariff - Day									333.8	301.3	301.2
DG2	Dual Tariff - Night									325.7	279.6	261.6
DG2	Total Rural Domestic	2,372.9	2,482.8	2,620.6	2,790.3	2,984.7	3,142.4	3,264.2	3,405.8	3,515.0	3,084.3	2,992.4
DG3+DG4	Public Light, Misc	152.5	155.4	159.2	167.3	174.6	166.8	189.4	198.8	217.0	222.9	236.7
DG5	24Hr									1,776.1	1,845.4	1,849.9
DG5	Dual Tariff - Day									1,447.7	1,517.1	1,530.9
DG5	Dual Tariff - Night									819.7	849.5	838.7
DG5	Total LV Non MD	2,630.2	2,755.6	2,950.4	3,138.2	3,242.7	3,394.9	3,623.2	3,840.3	4,043.4	4,212.0	4,219.4
DG6	Day									2,530.1	2,756.8	2,902.0
DG6	Night									1,016.7	1,083.9	1,139.7
DG6	Total LV Max Demand	2,433.5	2,621.5	2,828.3	3,039.5	3,267.5	3,292.4	3,313.7	3,352.0	3,546.8	3,840.7	4,041.7
DG7	Day									3,304.1	3,460.5	3,558.4
DG7	Night									1,620.7	1,700.5	1,752.0
DG7	Total MV	3,412.4	3,625.8	3,833.8	4,103.2	4,324.7	4,384.9	4,543.4	4,707.8	4,924.9	5,161.0	5,310.4
DG8+9	Day									516.7	553.8	552.2
DG8+9	Night									293.5	307.4	300.5
DG8+DG9	Total 38kV	700.8	733.9	779.9	737.1	778.9	800.3	807.9	794.0	810.2	861.3	852.7
DG10	Day									55.5	55.9	58.0
DG10	Night									32.1	32.3	33.6
DG10	Total 110kV Network	0.0	0.0	0.0	0.0	0.0	8.2	36.7	75.4	87.6	88.2	91.6
DG1-2	Total Domestic	5,622.5	5,912.9	6,231.9	6,626.3	7,038.1	7,324.6	7,566.2	7,831.8	8,117.6	8,516.5	8,704.0
DG3-6	Total LV Non Dom	5,216.2	5,532.5	5,937.9	6,344.9	6,684.8	6,854.1	7,126.2	7,391.1	7,807.2	8,275.6	8,497.9
DG7-10	Total MV & HV	4,113.2	4,359.7	4,613.7	4,840.3	5,103.6	5,193.4	5,388.0	5,577.2	5,822.7	6,110.5	6,254.7
All	24Hr									8,480.9	8,839.8	9,030.6
	Day									8,604.3	9,160.6	9,450.2
	Night									4,662.3	4,902.1	4,975.8
Total		**14,952.0**	**15,805.0**	**16,783.6**	**17,811.5**	**18,826.6**	**19,372.0**	**20,080.3**	**20,800.1**	**21,747.6**	**22,902.6**	**23,456.6**

Source: ESB Networks

6.3 *Distribution Annual Consumption – MWh/Customer*

Group	Type	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
DG1	Urban Domestic	4.175	4.260	4.341	4.474	4.586	4.576	4.524	4.454	4.363	4.304	4.285
DG2	Rural Domestic	4.306	4.397	4.501	4.625	4.767	4.834	4.811	4.792	4.807	5.068	4.900
DG3+DG4	Public Light, Misc	46.139	42.197	39.183	37.233	35.753	31.335	33.331	32.192	32.572	34.357	25.880
DG5	LV Non MD	18.259	18.717	19.554	20.275	20.336	20.821	21.828	22.327	22.975	23.286	22.826
DG6	LV MD	389.4	386.5	389.1	379.0	376.1	388.6	399.8	386.1	358.2	346.1	330.7
DG7	MV	4,409	4,363	4,442	4,590	4,630	4,621	4,548	4,458	4,094	4,061	3,937
DG8+DG9	38kV	20,023	19,313	20,524	18,899	19,971	20,520	21,262	21,459	13,733	13,050	12,181
DG10	110kV Network						8,207	36,653	75,391	87,617	88,230	91,609
DG1-2	Total Domestic	4.230	4.317	4.407	4.537	4.661	4.683	4.644	4.595	4.545	4.553	4.478
DG3-6	Total LV Non Dom	33.958	35.086	36.604	37.926	38.635	38.757	39.599	39.555	40.545	41.698	41.207
DG7-10	Total MV & HV	5,084.4	5,016.9	5,120.7	5,187.9	5,245.2	5,251.2	5,190.7	5,098.0	4,610.2	4,566.9	4,404.7
Total		**10.08**	**10.34**	**10.64**	**10.94**	**11.18**	**11.12**	**11.09**	**10.99**	**10.98**	**11.06**	**10.90**

Source: ESB Networks

6.4 Distribution Customer Number Forecast 2008 – 2012

Group	Type	2008	2009	2010	2011	2012
DG1	24Hr	1,204,154	1,241,932	1,277,013	1,312,093	1,347,174
DG1	Dual Tariff	172,968	178,395	183,434	188,473	193,512
DG1	Total Urban Domestic	1,377,122	1,420,327	1,460,447	1,500,566	1,540,686
DG2	24Hr	591,598	610,159	627,394	644,629	661,864
DG2	Dual Tariff	39,323	40,557	41,702	42,848	43,993
DG2	Total Rural Domestic	630,921	650,716	669,096	687,477	705,857
DG3+DG4	Public Light, Misc	9,427	9,715	10,012	10,318	10,634
DG5	24Hr	141,382	145,705	150,162	154,754	159,487
DG5	Dual Tariff	49,127	50,629	52,178	53,774	55,418
DG5	Total LV Non MD	190,508	196,335	202,339	208,528	214,905
DG6	LV MD	12,595	12,980	13,377	13,786	14,208
DG7	MV	1,430	1,516	1,607	1,703	1,805
DG8	38kV Looped	39	39	39	39	39
DG9	38kV Tailed	31	31	31	31	31
DG10	110kV Network	1	1	1	1	1
DG1-2	Total Domestic	2,008,043	2,071,043	2,129,543	2,188,043	2,246,543
DG3-6	Total LV Non Dom	212,530	219,030	225,729	232,632	239,747
DG7-10	Total MV & HV	1,501	1,587	1,678	1,774	1,876
All	24Hr	1,946,560	2,007,512	2,064,581	2,121,795	2,179,159
	Dual Tariff	275,514	284,147	292,368	300,654	309,007
Total		2,222,074	2,291,660	2,356,949	2,422,449	2,488,166

Source ESB Networks

6.5 Distribution Annual Growth in Consumption

Group	Type	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
DG1	Urban Domestic	2.0%	1.9%	3.1%	2.5%	-0.2%	-1.1%	-1.6%	-2.0%	-1.4%	-0.4%
DG2	Rural Domestic	2.1%	2.4%	2.8%	3.1%	1.4%	-0.5%	-0.4%	0.3%	5.4%	-3.3%
DG3+DG4	Public Light, Misc	-8.5%	-7.1%	-5.0%	-4.0%	-12.4%	6.4%	-3.4%	1.2%	5.5%	-24.7%
DG5	LV Non MD	2.5%	4.5%	3.7%	0.3%	2.4%	4.8%	2.3%	2.9%	1.4%	-2.0%
DG6	LV MD	-0.7%	0.7%	-2.6%	-0.8%	3.3%	2.9%	-3.4%	-7.2%	-3.4%	-4.4%
DG7	MV	-1.0%	1.8%	3.3%	0.9%	-0.2%	-1.6%	-2.0%	-8.2%	-0.8%	-3.1%
DG8+DG9	38kV	-3.5%	6.3%	-7.9%	5.7%	2.7%	3.6%	0.9%	-36.0%	-5.0%	-6.7%
DG10	110kV Network						346.6%	105.7%	16.2%	0.7%	3.8%
DG1-2	Total Domestic	2.1%	2.1%	2.9%	2.7%	0.5%	-0.8%	-1.1%	-1.1%	0.2%	-1.6%
DG3-6	Total LV Non Dom	3.3%	4.3%	3.6%	1.9%	0.3%	2.2%	-0.1%	2.5%	2.8%	-1.2%
DG7-10	Total MV & HV	-1.3%	2.1%	1.3%	1.1%	0.1%	-1.2%	-1.8%	-9.6%	-0.9%	-3.6%
Total		**2.6%**	**2.9%**	**2.8%**	**2.2%**	**-0.5%**	**-0.3%**	**-0.9%**	**-0.1%**	**0.7%**	**-1.4%**

Source: ESB Networks

6.6 Distribution Consumption Forecast 2008 – 2012 GWh

Group	Type	2008	2009	2010	2011	2012
DG1	24Hr	4,723	4,874	5,048	5,226	5,408
DG1	Dual Tariff - Day	573	591	612	634	656
DG1	Dual Tariff - Night	680	701	726	752	778
DG1	Total Urban Domestic	5,976	6,166	6,386	6,612	6,842
DG2	24Hr	2,542	2,623	2,717	2,812	2,911
DG2	Dual Tariff - Day	315	325	337	349	361
DG2	Dual Tariff - Night	274	282	293	303	313
DG2	Total Rural Domestic	3,131	3,231	3,346	3,464	3,585
DG3+DG4	Public Light, Misc	243	250	258	266	274
DG5	24Hr	1,897	1,955	2,016	2,078	2,142
DG5	Dual Tariff - Day	1,570	1,618	1,668	1,719	1,772
DG5	Dual Tariff - Night	860	887	914	942	971
DG5	Total LV Non MD	4,327	4,460	4,598	4,739	4,885
	Day	2,976	3,068	3,162	3,259	3,360
	Night	1,169	1,205	1,242	1,280	1,320
DG6	Total LV MD	4,145	4,272	4,404	4,540	4,679
	Day	3,642	3,742	3,845	3,950	4,059
	Night	1,793	1,842	1,893	1,945	1,998
DG7	Total MV	5,434	5,584	5,738	5,895	6,057
	Day	509	523	537	552	567
	Night	277	284	292	300	308
DG8	Total 38kV Looped	785	807	829	852	875
	Day	57	58	60	61	63
	Night	31	32	32	33	34
DG9	Total 38kV Tailed	87	90	92	95	97
	Day	59	61	63	64	66
	Night	34	35	36	37	38
DG10	Total 110kV Network	94	96	99	102	104
DG1-2	Total Domestic	9,107	9,397	9,732	10,076	10,427
DG3-6	Total LV Non Dom	8,714	8,983	9,260	9,545	9,839
DG7-10	Total MV & HV	6,401	6,577	6,758	6,944	7,135
All	24Hr	9,405	9,703	10,038	10,382	10,735
	Day	9,700	9,985	10,283	10,589	10,904
	Night	5,117	5,269	5,429	5,593	5,762
Total	Distribution	24,222	24,957	25,750	26,564	27,401

Source: ESB Networks

6.7 Customer Churn 2007[6]

	PES GAINS	PES LOSSES	IND SUPPLIERS TRANSFERS
Jan-07	132	901	753
Feb-07	145	1076	712
Mar-07	130	1506	1042
Apr-07	131	1581	760
May-07	124	1361	894
Jun-07	122	1300	613
Jul-07	126	1109	676
Aug-07	114	906	538
Sep-07	96	981	453
Oct-07	105	999	551
Nov-07	168	866	556
Dec-07	98	755	439
TOTAL	1491	13341	7987

Source: MRSO

6 Table 6.7 refers to the position of PES via the Independent Supplier segment as regards loss and gains. The third column Ind Suppliers Transfers is the total movements of sites between the Suppliers in the Independent only, does not count any to or from PES movements.

6.8 Electricity Prices

Percentage Changes in Electricity Prices

	2003	2004	2004 (Oct)	2005	2006	2007	2008
Domestic	13.25%	5.02%	8.60%	4.00%	3.14%	12.60%	-5.40%
LV Non MD	3.56%	4.01%	8.60%	1.45%	4.18%	12.50%	-4.40%
LVMD	8.42%	6.00%	10.23%	4.15%	6.99%	12.60%	-2.3% & -8.4%
MV	3.46%	6.00%	11.41%	2.50%	8.04%	12.50%	
38kV	4.20%	5.98%	8.18%	3.50%	8.04%	13.00%	
110kV	4.20%	5.97%	11.29%	3.50%	8.04%	12.50%	

Source: CER