



ELECTRICITY SUPPLY BOARD
BORD SOLÁTHAIR AN LEICTREACHAIS

Information 1986

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Strategic Planning and Development

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Customer Operations

C. McCABE, B.E., C.Eng., F.I.E.I.

Generation and Transmission Operations

A. G. KELLY, B.E., Ph.D., C.Eng., F.I.Mech. E., F.A.S.M.E., F.I.E.I.

Corporate Services

F. A. MALIN, A.C.I.S.

Finance

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Secretary

J. F. WILLIAMS, F.C.I.S.

Distribution Regions and Managers

DUBLIN Leopardstown Road, Foxrock, Dublin 18. Telephone 01-881683.	J. J. McEvoy, B.E., D.P.A., C.Eng., F.I.E.I.
NORTH EAST Chapel Street, Dundalk, Co. Louth. Telephone 042-32211.	D. Doherty, B.E., M.I.E., B.Comm., C.Eng., M.I.E.I.
NORTH WEST Castle Street, Sligo. Telephone 071-5261.	P. Osborne, B.E., B.Sc., C.Eng., F.I.E.I.
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SOUTH WEST Wilton, Cork. Telephone 021-44988.	K. J. O'Hara, B.E., M.I.E., C.Eng., F.I.E.I.
WEST Bishop's Quay, Limerick. Telephone 061-45599.	D. Greene, B.E., C.Eng., F.I.E.I.

Generation Regions and Managers

EASTERN Pigeon House Road, Dublin 4. Telephone 01-685300.	D. MacMahon, B.E., C.Eng., F.I.E.I.
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MIDLAND Cloghan, Co. Offaly. Telephone 0506-55225.	W. Flood, B.E., C.Eng., F.I.E.I.
SOUTHERN Centre Park Road, Cork. Telephone 021-964244.	D. O'Shea, B.E., M.I.Mech.E., C.Eng., F.I.E.I.

ESB Input to Ireland's Economy

	1982/83 £ millions	1983/84 £ millions	1984/85 £ millions	1985/86 £ millions	1986 (9 mths) £ millions
Fuel:					
Natural Gas, Peat, Native Coal	150	199	201	188	70
Irish Suppliers of Goods and Services including Capital Work	115	111	120	97	86
Government Tax on Oil	10	9	9	11	16
Rates Levy and Local Rates	17	23	25	26	20
Payroll Costs including Capital Projects	186	194	203	209	163
Interest paid to Irish Lenders & Stockholders	27	34	39	50	49
TOTAL	505	570	597	581	404

Data Summary

	1985/86	1986 (9 mths)
FINANCIAL		
Financial Outcome. Surplus/(Deficit)	£(8)m	£6m
Income	£791m	£577m
Assets in Commission (before Depreciation)	£1,556m	£1,807m
Sales (Million Units)	9,788	7,295
Effective Generating Capacity (MW)	3,547	3,852
Peak Load (MW)	2,130	2,178
Customers	1,194,765	1,207,051
EMPLOYMENT		
Total Employment	12,114	11,763
Operations	9,193	9,402
New Works	2,345	1,882
Consultancy and Secondment	218	149
Apprentices	358	330
Pay	£170.5m	£134m
ESB Contribution to Pension Fund, PRSI and Expenses	£38m	£29m

Generation Capacity

	MW
HYDRO	220
HYDRO (PUMPED STORAGE)	292
COAL	625
PEAT	487
GAS	385
OIL	768
GAS OR OIL	1,075
TOTAL	3,852

Sources of Energy

	Primary Generation (Million Units)	%
HYDRO	653	7.4
PEAT	1,009	11.5
COAL	1,507	17.2
GAS	1,414	16.0
OIL	4,199	47.9
TOTAL PRIMARY GENERATION	8,782	100
PUMPED STORAGE GENERATION	259	
PUMPED STORAGE (PUMPED)	(395)	
PURCHASED	11	
TOTAL SYSTEM DEMAND	8,657	

Analysis of Units Sold (for April to December 1986)

Class of Supply	Millions
Domestic	
General Supply	2,725.2
Night Rate	95.8
	2,821.0
Commercial	
General Supply	554.0
Heating, Cooking and Waterheating	185.1
Night Space Heating	104.9
Public Lighting	83.8
Maximum Demand	645.3
Miscellaneous	61.5
	1,634.6
Industrial	
Maximum Demand	
High Tension	2,192.5
Low Tension	568.9
Miscellaneous	78.4
	2,839.8
Total	
	7,295.4

Growth of ESB 1930-1986

Year	Units generated (and purchased)*	Units sold to Customers	Revenue from Electricity Sales	Average price per unit sold	Customers
	Millions	Millions	£000	Pence	Total
1929/30	60.9	43.2	478	1.108	48,606
1939/40	407.0	318.6	1,946	0.612	172,545
1949/50	784.8	626.1	4,774	0.763	310,639
1959/60	2,096.0	1,692.2	14,724	0.871	610,946
1969/70	5,245.7	4,411.6	39,400	0.892	786,500
1972/73	6,749.1	5,705.1	60,321	1.057	845,119
1973/74	7,253.1	6,152.0	73,063	1.188	873,764
1974/75	7,298.7	6,153.1	111,261	1.808	901,000
1975/76	7,534.6	6,259.0	136,277	2.177	931,469
1976/77	8,160.5	6,783.2	173,429	2.557	959,428
1977/78	8,828.4	7,329.9	210,029	2.865	986,256
1978/79	9,602.7	7,965.3	222,768	2.797	1,015,636
1979/80	10,213.6	8,560.3	300,024	3.505	1,043,428
1980/81	10,038.4	8,364.6	408,965	4.889	1,070,049
1981/82	10,385.9	8,661.7	517,029	5.969	1,096,950
1982/83	10,194.4	8,518.3	571,992	6.715	1,122,461
1983/84	10,559.2	8,903.5	641,460	7.205	1,145,818
1984/85	10,972.7	9,274.2	696,506	7.510	1,168,679
1985/86	11,465.1	9,787.8	757,172	7.736	1,194,765
9 mths 1986	8,656.6	7,295.4	550,620	7.548	1,207,051

* Excluding Units absorbed by Storage Pumping

Electricity Sales by Sector (Million Units)

YEAR	DOMESTIC	COMMERCIAL	INDUSTRIAL	TOTAL
1977/78	3,092	1,491	2,748	7,330
1978/79	3,404	1,624	2,938	7,965
1979/80	3,600	1,722	3,238	8,560
1980/81	3,515	1,774	3,076	8,365
1981/82	3,659	1,887	3,116	8,662
1982/83	3,599	1,911	3,009	8,518
1983/84	3,703	2,002	3,198	8,904
1984/85	3,795	2,074	3,405	9,274
1985/86	4,001	2,234	3,553	9,788
9 mths 1986	2,821	1,635	2,840	7,296

IRELAND'S GENERATING STATIONS

