TENTH ANNUAL REPORT

OF THE

ELECTRICITY SUPPLY BOARD

(Including Report on Shannon Fisheries.)

DUBLIN
1936-37

TENTH

ANNUAL REPORT

OF THE

ELECTRICITY SUPPLY BOARD

Year ended 31st March, 1937.

(Including Report on the Shannon Fisheries.)

(Presented to the Minister for Industry and Commerce in pursuance of Section 32 (1) and Section (7) 4 of the Electricity (Supply), Act, 1927, and Sections 17 and 18 of the Shannon Fisheries Act, 1935.

ELECTRICITY SUPPLY BOARD.

Report and Accounts

YEAR ENDED 31st MARCH, 1937.

(Including Report on the Shannon Fisheries.)

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REPORT

OF THE

Electricity Supply Board.

ELECTRICITY SUPPLY BOARD,
60-62 UPPER MOUNT STREET,
DUBLIN.

TO THE MINISTER FOR INDUSTRY AND COMMERCE.

In accordance with Section 7 (4) and Section 32 (1) of the Electricity (Supply) Act, 1927, the Board presents the Annual Report and Accounts for the year ended 31st March, 1937.

The surplus of income over expenditure, after payment of interest to the Minister for Finance, and the discharge of interest and repayment of capital in respect of liabilities assumed with the acquisition of Local Authority Undertakings, amounted to £377,422. This compares with £309,938 in the preceding year.

The following are the summarised figures of income and expenditure for the years ended 31st March, 1937, and 31st March, 1936, respectively :—

	To Year ended 31st March, 1937	To Year ended 31st March, 1936
	£	£
Gross Revenue	1,590,455	1,436,939
Working Expenditure	646,245	562,156
Balance carried to Profit and Loss Account	944,210	874,783
Interest and discharge of Capital liabilities acquired with Local Authority Undertakings	566,788	564,845
Gross Surplus ..	£377,422	£309,938

While the increase in the volume of sales of electricity at 31,742,495 units is somewhat higher than the previous year's figure of 30,051,444 units the resultant increase in revenue of £153,516 is lower by £17,967. This is mainly owing to reductions in price which became operative during the year.

Working expenditure shows an expansion of £84,089. The increased output, and the spreading of the Board's activities, is reflected in increasing costs of operation, and maintenance and repair of plant. The increase is also attributable to additions to staff, improvement in staff remuneration, and larger expenditures on sales propaganda and demonstrations.

Additional capital to the extent of £703,653 was expended during the year. This compares with £573,340 in the preceding year. Apart from the investment which was specifically involved in extensions into new areas, and in giving supply to new consumers, the steady growth in total demand necessitates substantial outlay on generation and on the main transmission system. The analysis of the expenditure is as follows :—

Generation	£300,336
Transmission	£77,562
Distribution	£291,820
Equipment, Transport, etc. ..	£33,935
	£703,653

The aggregate amount of capital advanced by the Minister for Finance in respect of the Shannon Works, and of extensions to plant carried out by the Board amounted at 31st March, 1937, to £10,848,141. It should be noted, however, that the funds which have been accumulated by the Board in the depreciation and other reserves are being availed of for the time being, by agreement with the Minister, to defray capital expenditure in lieu of new advances, and interest is credited, accordingly, to these funds.

On the basis which was adopted last year a sum of £243,000 has been allocated to the depreciation reserve as the annual contribution required to write off all physical assets forming part of the transferred Shannon Works or created by the Board through advances from the Minister for Finance. Pending the determination of the date for the commencement, and the method, of repayment of capital to the Minister the Board is anxious to overtake as rapidly as possible the arrears of depreciation which had accrued in the years prior to last year and against which no specific provision was made. In view of these arrears, and the advisability of suitable provision for obsolescence and equalisation of special expenditure, the Board has decided to transfer to General Reserve the balance of £136,773 remaining at 31st March, 1937, on the Profit and Loss Account. The aggregate funds available in this reserve will then amount to £391,879.

SALE OF ELECTRICITY AND NUMBER OF CONSUMERS.

The growth in number of consumers and in the consumption of electricity continues at a satisfactory rate, as will be seen from the following table :—

Year ended on 31st March	Units Generated	Units Sold	Revenue from Sales of Energy	Average Price in Pence per Unit		Total Consumers
				Generated	Sold	
			£			
1930 ..	60,947,775	43,177,228	478,006	1·88	2·66	48,606
1931 ..	119,842,716	85,500,494	735,302	1·47	2·06	69,045
1932 ..	151,843,717	110,677,196	938,933	1·48	2·04	78,511
1933 ..	166,076,275	120,098,523	1,044,475	1·51	2·09	83,052
1934 ..	185,383,327	133,503,130	1,149,681	1·49	1·99	91,267
1935 ..	206,105,570	156,964,146	1,258,388	1·47	1·92	103,037
1936 ..	244,098,692	187,015,590	1,429,888	1·41	1·84	116,704
1937 ..	284,117,500	218,758,085	1,584,433	1·34	1·74	130,483

Details of the number of consumers in each area in this year as compared with the previous year, and certain other particulars relating to supply will be found in Appendix I. The total number of new consumers connected during the year amounted to 13,779, Dublin City and suburbs accounting for about 55 per cent. of the new connections. During the year 2,236 of the new consumers were connected under the arrangement by which an unmetered supply of electricity is made available, at a small weekly charge, for the many working class dwellings which are being erected under the slum clearance housing schemes.

AREA DEVELOPMENT.

Progress continues to be made in extending the Board's mains into new areas. The electricity undertakings at Ardee, Dunmanway, Killorglin, Thomastown and Tubbercurry were acquired. The following additional areas were connected :—

Ardee.
Athleague.
Ballygar.
Ballymany-Loughbrown.
Castlemaine.
Castletownroche.
Clonsilla.
Curragh Camp.
Dunmanway.
Drinagh.
Drommahane.
Enniscrone.
Kilkishen.
Kill (Co. Kildare).
Killorglin.
Kilmacanogue.
Newmarket-on-Fergus.
Miltown (Co. Kerry).
Portmarnock.
Rathnew.
The Ranch.
Thomastown.
Tubbercurry.
Tulla.

ANALYSIS OF UNITS SOLD.

The following table gives an analysis of the units sold divided approximately amongst the various categories of supply, and indicates the progress made during the year in these classes :—

Class of Supply	Units Sold		Increase	Percentage Increase
	Year ended 31st March, 1937	Year ended 31st March, 1936		
Domestic	59,645,102	47,521,688	12,123,414	25·5%
General Lighting ..	26,532,901	24,207,203	2,325,698	9·6%
General Heating, Cooking and Water Heating ..	21,472,442	19,710,315	1,762,127	9·0%
Motive Power ..	72,631,570	62,335,192	10,296,378	16·5%
Public Lighting ..	12,014,701	11,035,530	979,171	8·9%
Traction	22,794,070	20,095,565	2,698,505	13·4%
Miscellaneous ..	3,667,299	2,110,097	1,557,202	—
Totals ..	218,758,085	187,015,590	31,742,495	17·0%

DOMESTIC DEVELOPMENT.

The sale of electricity for domestic purposes continued to make good progress, not only by way of sales to new consumers but also by steadily increasing consumption of existing consumers. Public appreciation of the economy and manifold advantages of domestic electric appliances is becoming every year more widespread. This is particularly evident in Dublin City and suburbs, where, in the design and lay-out of new houses, the introduction of electric heating, cooking and water heating, and the liberal provision of wall sockets to permit of the use of small appliances is being accepted as standard practice. The Board feels confident that this appreciation of the advantages of electricity in the home will not only be maintained but will in future years be greatly strengthened by the growing realisation of the possibilities of electricity as the great labour saver in the home.

The following table indicates the rapidly increasing consumption of electricity for domestic purposes in Dublin City :—

Year ended on 31st March	Units Sold to Domestic Consumers	Increase in Units Sold over previous Year
1934	12,470,000	—
1935	15,146,000	2,676,000
1936	20,159,000	5,013,000
1937	25,465,000	5,306,000

In the suburbs of Dublin, domestic consumption has almost trebled in three years, as the following table shows :—

Year ended on 31st March	Units Sold to Domestic Consumers	Increase in Units Sold over previous Year
1934	3,410,000	—
1935	4,449,000	1,039,000
1936	7,313,000	2,864,000
1937	9,969,000	2,656,000

Progress in domestic consumption in the remainder of the country is shown in the following table :—

Year ended on 31st March	Units Sold to Domestic Consumers	Increase in Units Sold over previous Year
1934	13,683,000	—
1935	16,032,000	2,349,000
1936	20,050,000	4,018,000
1937	24,211,000	4,161,000

The demonstration of all-electric houses was continued in the Dublin area and extended to the Cork, Limerick and Waterford areas. Over 93,000 visitors inspected these houses. Plans are under consideration for the more general extension of this activity throughout the country. Meanwhile, exhibitions of electric appliances and demonstrations

by trained staff are being systematically carried out in the towns and villages. A scheme has been developed for the rapid servicing of consumers' apparatus, and is in operation in the Dublin area. Its adaptation to the more difficult problem of speedy servicing in country areas is proceeding.

GENERAL LIGHTING.

The consumption of electricity for general lighting purposes continued to show a marked improvement. While the increase in consumption for the cities was in the region of 8 per cent., the improvement was much greater outside the cities, where it reached the relatively high figure of 19 per cent. In other countries, in recent years, standards of lighting have developed a strong upward trend, and the Board anticipates that consumption for general lighting in this country will continue to increase rapidly, the improvement being naturally most marked in the country areas, where standards are, relatively speaking, still low.

To assist consumers in the lay-out of improved lighting schemes the Board continued the activities of the Lighting Service Bureau. Appreciation on the part of the public was shown by a very much increased demand on the services of the Bureau.

The activities of the Bureau were further extended to provide an educational programme designed to interest the general public in improved standards of lighting, and in the value of good lighting. In Dublin and Cork Cities, temporary premises were rented for a short period, and a series of exhibitions demonstrating optical phenomena, associated with eyesight and lighting, were seen by over 9,000 visitors. Approximately 65,000 three-sheet folders setting out the salient points of the 'Better Light—Better Sight' campaign were distributed to consumers in Dublin and Cork. A 48-page book entitled "The Science of Seeing" was specially prepared by the Bureau and distributed to over 8,500 architects, consulting engineers, electrical contractors, institutions, schools and members of the general public. A Prize Competition for school children held in the form of an essay dealing with the relation of good lighting to seeing, attracted 500 entries from all parts of the country.

GENERAL HEATING, COOKING AND WATER HEATING.

Under this heading is included electricity sold for heating, cooking and water heating to other than domestic consumers, that is to say, to public institutions, hotels, restaurants, schools, etc. Consumption showed an increase of 9 per cent. for the year. The excellent results which are being obtained by consumers who have in previous years availed themselves of these services are slowly carrying conviction to other consumers, and during the year a distinct increase of public interest was apparent, resulting, in particular, in the installation of a number of large scale electric cooking plants.

The Board, being strongly convinced of the very advantageous service which electricity can offer to the hotel and restaurant trade, made arrangements for an intensive educational campaign designed to make the trade better acquainted with the value of electric services.

INDUSTRIAL MOTIVE POWER.

The total recorded industrial motive power, representing motors of ½ H.P. and upwards, connected to the Board's system at the end of the financial year was 80,530 H.P., being an increase of 9,500 H.P. on the previous year. Of this new motive power load, Dublin City was responsible for 1,400 H.P., and Cork City for 2,500 H.P. In the remainder of the country, 5,600 H.P. was connected. In Appendix I. the growth of connection and the horse-power are recorded for all cities, towns and villages supplied from the Board's system.

Units sold for industrial motive power purposes showed an increase of 16·5 per cent. over the previous year for the country as a whole. In Dublin City the growth was 7 per cent. ; in Dublin environs 27 per cent. ; in Cork City 19 per cent. ; in Limerick City 38 per cent. ; in Waterford City 94 per cent. ; in Galway City 35 per cent. ; and in the remainder of the country 25 per cent. The following table sets out an analysis of the units sold for industrial motive power during the past four years :—

ANALYSIS OF UNITS SOLD FOR INDUSTRIAL MOTIVE POWER

Year ended on 31st March	In Dublin City	In Cork City	In Rest of Country	In Whole Country
1934	23,046,000	7,735,000	11,858,000	42,639,000
1935	26,040,000	9,064,000	14,887,000	49,991,000
1936	29,807,000	12,436,000	20,092,000	62,335,000
1937	31,911,000	14,842,000	25,878,000	72,631,000

PUBLIC LIGHTING.

The total number of public lighting lamps supplied from the Board's system was 21,341, an increase of 1,436 lamps over the previous year. The consumption of electricity for public lighting purposes showed an increase of 8·9 per cent. for the year.

Negotiations were carried through with the Dublin City and Dun Laoghaire Borough Councils with a view to a substantial improvement in the public lighting by electricity of their respective areas. The Dublin City Council decided to provide entirely new lighting of a modern design in the principal streets of the central city area on a scheme to be completed over three years. The Board was commissioned by the City Manager to prepare designs and estimates for all the works involved. In the Dun Laoghaire area, the Borough Manager commissioned the Board to re-design the entire public lighting system of the Borough and, as a result, the Council adopted proposals providing for improved lighting of all the main traffic routes in accordance with modern designs, as also for improved lighting in all residential areas.

TRACTION.

The units sold for traction purposes showed an increase of 13·4 per cent. This increase, however, does not in reality represent any extension of the use of electricity for traction purposes, as the figures for the previous year were depressed by the strike in the Dublin Tramway Undertaking.

SALES OF APPLIANCES.

The sale of appliances and apparatus for which credit has been taken amounted to £53,843 14s. 10d., which compares with a figure of £43,556 18s. 0d. for the previous year. The rate of gross profit on sales was 18·7 per cent. Having charged a proper proportion of general overhead expenses, the Merchandise Trading Account shows a net profit of £2,903 4s. 8d. It will be noticed in this Account that the cost value of transactions for which credit has not yet been taken amounted in the present year to £19,631, as against a figure of £9,539 for the previous year. This growth reflects the increase in the number of hire purchase transactions.

Omitting electric light fittings and electric lamps, some 14,000 appliances were sold from the Board's Showrooms. Included are irons, vacuum cleaners, fires, kettles, toasters, coffee percolators, milk warmers and boiling rings, cookers, wash boilers, washing machines and ironing machines, refrigerators, storage water heaters, and immersion heaters for hot water cisterns.

CONSUMERS' INSTALLATIONS DEPARTMENT.

The credit taken for contracts completed and invoiced for work carried out by the Department amounted to £64,807 0s. 11d. as compared with a figure of £47,032 7s. 7d. for the previous year. The rate of gross profit was 22·2 per cent. Having debited to the Installations Trading Account a proper proportion of overhead expenses, there is net profit of £4,596 4s. 0d.

TARIFFS.

Alterations effected in rates of charge during the year are shown in Appendix II.

In the case of valuation consumers in areas where the previous unit rate was 1¼d., a follow-on rate of ¾d. and ½d. was introduced. This rate was so designed that for all practical purposes the unit rate to domestic consumers for lighting remained at 1¼d., while domestic electric cooking would be available at ¾d. per unit and the fully-electrified household would have domestic heating available at ½d. per unit.

The unit rate of charge to domestic consumers in Limerick and Waterford Cities was adjusted in a similar manner to introduce a final follow-up step of ½d. per unit.

The general lighting rate in Dublin suburbs was reduced from 7½d. to 6d. per unit, and a corresponding reduction made in the scale for large lighting consumers. The charge for display lighting was also reduced from 2½d. to 2d. per unit in this area.

The rates of charge for general lighting to hotels throughout the country were reduced in the same manner as the general lighting rates for Dublin suburbs. A corresponding reduction was made applicable to factory lighting throughout the country.

GENERATION.

The statistics of generation in both the main and local stations, and the load development on the main systems, are shown in the following table, together with the corresponding figures for the preceding year :—

Year ended on 31st March	UNITS GENERATED. Main Stations		Local Stations	Total all Stations	Load Development (Main Stations) Maximum Daily Output in Units	Maximum Load in K.W.
1936	Ardnacrusha ...	211,403,200				
	Pigeon House ...	31,572,300				
	Cork ...	737,293				
	Total ...	243,712,793	385,899	244,098,692	1,121,400	87,900
1937	Ardnacrusha ...	246,398,100				
	Pigeon House ...	37,160,100				
	Cork ...	143,800				
	Total ...	283,702,000	415,500	284,117,500	1,228,700	97,500
	Increase during year ended 31st March, 1937 ...		—	40,018,808	107,300	9,600

NOTE.—The total number of units generated at Ardnacrusha was 246,442,800 of which 44,700 were consumed by the electric boilers at the Pigeon House and Cork Stations.

The total number of units generated (284,117,500) represents an increase of 16·4 per cent. on the output of the previous year.

The average yearly load was 32·4 MW. The yearly load factor, on the basis of units generated, was 33·3 per cent. as compared with 31·6 per cent. last year. The curve of duration of load for the main system is shown in Appendix III.

For the purpose of reference, the following information is contained in the Appendices :

(i) Distribution at high tension of units generated ... Appendix V.
(ii) Typical daily load curve for each quarter .. ... Appendix VI.
(iii) Monthly output of all Stations ... . Appendix VII.
(iv) Capacity of the Board's Main Generating Stations .. Appendix VIII.
(v) Weekly summary of operating conditions .. .. Appendix IX.

EXTENSIONS OF PLANT AND NEW WORKS.

Shannon Works :

The greater portion of the works involved in securing additional water storage at Lough Allen has been completed. For the summer of the year 1937 approximately three-quarters of the storage, or 110,000,000 cubic metres, will be available.

At the Ardnacrusha Power Station a closed circuit air-cooling system has been installed on the No. 3 Turbine, and the work of providing similar equipment for Turbines Nos. 1 and 2 is proceeding. A second house-turbine of 400 H.P. capacity was placed in commission. The new runner wheel for the No. 1 Turbine has been delivered, and is in course of installation.

Pigeon House Works :

At the end of the year the following progress had been made in the various works involved in the improvement of the Pigeon House Station :—

(a) The 25,000 kVA turbo-generator unit and the two steam boilers, each with a normal capacity of 100,000 lbs. of steam per hour, had been placed in commission.

(b) The circulating water system and pumphouse had been completed to supply the cooling water for the new turbo-generator. The work of changing from the existing wharf pumphouses to the new pumphouses, the pumps and circulating water pipes serving the other turbo sets, had been commenced.

(c) The 5/38 kV. transformer of 25,000 kVA. capacity and the 3,000 kW. house substation had been placed in commission.

(d) The buildings for the 38 kV. switchgear house and control room had been completed. The 38 kV. switchgear had been installed, and work had commenced on the equipment of the control room, and on the changing-over of the existing controls.

(e) The outdoor transformer station had been completed. The 5/38 kV., 20,000 kVA. transformer had been moved from its previous site to this station.

(f) The coal store at the back of the Pigeon House Station and the coaling plant connecting the wharf with this store, enabling the coal to be loaded or unloaded automatically, had been completed.

It has been decided to make further additions to this station, and arrangements have been made to proceed with the following works :—

(a) The installation of a 20,000 KW. turbo-generator plant ; two boilers, each of 125,000 lbs. steam per hour capacity ; and a 20,000 kVA. transformer.

(b) The erection of an additional coal conveyor on the wharf.

TRANSMISSION AND DISTRIBUTION SYSTEMS.

Constructional work involving extensions and additions to the transmission and distribution lines was carried out to the following extent :—

	Miles.
(1) Low tension overhead mains	91·8
(2) Low tension overhead mains (reconstructed or strengthened)	38·2
(3) Low tension underground mains	26·7
(4) 5 kV. underground cables	5·0
(5) 10 kV. underground cables	11·5
(6) 38 kV. underground cables	19·5
(7) 10 kV. transmission lines	167·5
(8) 38 kV. transmission lines	10·0

To meet the increased generating capacity of the Pigeon House Station two 38kV. 3 x 185 sq. mm. cables connecting the station with the Fleet Street transformer station were laid ; the requisite 38 kV. switchgear and control gear were installed in the latter station.

A 15,000 kVA. 110/38 kV. transformer was ordered for the Inchicore Station. An order was also placed for two 15,000 kVA. 110/38 kV. transformers for the new Portlaoighise Station. A temporary station to enable one of these transformers to be placed in commission within the year ending 31st March, 1938, is in course of design.

Additional 38 kV., 10 kV. and 5 kV. transformer stations were erected and placed in commission, and the capacity of existing stations was increased as shown in Appendix IV.

The auxiliary 38 kV. transformer station at Inchicore feeding into the 10 kV. and 5 kV. systems was completed and placed in commission.

Automatic on-load tap-changing 38 kV. transformers of a total capacity of 26,900 kVA. were installed on the system, this being an increase of 19,900 kVA. on the capacity installed during the previous year.

The stations at Killarney, Tuam and Ballyhale, which had previously been alive at 38 kV. were equipped to give 10 kV. supply.

WATER STORAGE AND SHANNON RIVER CONTROL.

The following data in connection with the flow of the River Shannon is contained in Appendix X. :—

(i) Daily water levels of, and average daily outflow from Lough Allen, Lough Ree and Lough Derg respectively.
(ii) Average daily outflow from Parteen Weir.
(iii) Average daily consumption at the Power Station.
(iv) Average daily outflow at Killaloe.

The average inflow to the Shannon catchment at Killaloe for the calendar year 1936 was 177·8 cbm/sec. or 91·4 per cent. of the mean of 194·4 cbm/sec. over a long period of years. The distribution of the flow over the year was generally favourable for power production, and during the month of July the flow was the largest on record.

The important hydrometric figures for the year ending 31st March, 1937, are as follows :—

Total average rainfall in Shannon Catchment	41·8 inches.
Average inflow to Shannon Catchment	197·5 cbm/sec.
Average water used at Ardnacrusha	129·1 cbm/sec.
Average water used per unit generated	16·4 cbm.
Maximum level reached in Lough Derg	33·62 metres O.D.
Minimum level reached in Lough Derg	32·71 metres O.D.
Average available head at Power Station	28·4 metres.
Maximum available head at Power Station	30·2 metres.
Minimum available head at Power Station	25·6 metres.

LIFFEY HYDRO-ELECTRIC DEVELOPMENT.

An Agreement was concluded in June, 1936, between the Board and the Dublin Corporation for the construction, at Poulaphouca, of a reservoir which will be utilised for the production of power from the River Liffey, and for an additional water supply to the City of Dublin. The Liffey Reservoir Act, 1936, implements the Agreement, and makes provision for the expenditure involved in the hydro-electric development. Plans for the construction of the reservoir and power works having been completed, tenders for these works are at present under consideration.

PERMITTED UNDERTAKINGS.

At the 31st March, 1937, there were 98 Permitted Undertakings holding permits from the Board, as compared with a figure of 102 at the end of the previous year. During the year 5 permits lapsed as a result of the acquisition of the undertakings, 2 permits were not renewed as the undertakings ceased supply, and one new permit was granted. Particulars of all the electricity undertakings in the Saorstat, except where the number of consumers supplied is three or under, are contained in Appendix XI.

STAFF.

The strength of the Board's regular staff at the 31st March, 1937, was 2,152.

The Board again desires to place on record its appreciation of the competent and willing manner in which the members of the Staff have performed their duties.

(Signed) R. F. BROWNE, Chairman.
J. M. FAY.
T. A. McLAUGHLIN.
LAURENCE J. KETTLE.
LIAM FORDE.
HENRY KENNEDY.

PATRICK J. DEMPSEY, Secretary.
2nd July, 1937.

REPORT

ON THE

SHANNON FISHERIES.

60-62 UPPER MOUNT STREET,
DUBLIN.

TO THE MINISTER FOR INDUSTRY AND COMMERCE.

In accordance with the provisions of Sections 17 and 18 of the Shannon Fisheries Act, 1935, the Board presents the Annual Report and Accounts for the year ended 31st March, 1937.

During the period under review the Board's activities were confined primarily to the acquisition of the principal freshwater and estuarine salmon fisheries in the River Shannon. Satisfactory progress has been made in the negotiations. The following figures indicate the number of fisheries which have been acquired or for which a purchase price has now been finally settled. The figures in brackets show the total number of fisheries involved.

Freshwater Fisheries (19)	15
Estuarine Fisheries (53)	47
Eel Weirs (3)	3

To enable the fish to reach the spawning grounds, the Board limited the salmon fishing in the waters which were acquired. The Board also made arrangements for the expenditure through the Limerick Board of Conservators of a special sum of £2,000 for the closer protection of the Shannon and its tributaries. As a result of these steps, and the abolition of net fishing, an increase in stock, both in the main river and its tributaries, is anticipated during the course of a few years.

Successful experiments were carried out to facilitate the migration of salmon smolts through the Head and Tail Races.

Eel fishing during the past season showed good results, and will be undertaken on a more intensive scale during the coming season.

When all fisheries have been acquired the Board proposes, with the least possible delay, to commence operations on a commercial basis. With this in view it has been decided to erect a catching weir in the vicinity of Limerick at an early date.

The proceeds from the sales of fish, and letting of fishing rights, fell short of the cost of operation, maintenance and repair, and interest by £3,559. Fishing to a very limited extent only was carried out by the Board, the activities being concentrated on the development of the fisheries with a view to future revenue.

(Signed) R. F. BROWNE, Chairman.
J. M. FAY.
T. A. McLAUGHLIN.
LAURENCE J. KETTLE.
LIAM FORDE.
HENRY KENNEDY.

PATRICK J. DEMPSEY, Secretary.
2nd July, 1937.

LIST OF APPENDICES.

Appendix.

I.—Number of Consumers and other particulars relating to all Areas supplied by the Board.

II.—Reductions in Rates of Charge.

III.—Duration of load, main Shannon system.

IV.—Transmission and distribution systems in commission.

V.—Distribution at high tension of units generated during the year.

VI.—Typical daily load curves.

VII.—Monthly output of the Board's generating stations during the year.

VIII.—Capacity of the Board's main generating stations.

IX.—Weekly summary of operating conditions.

X.—Water levels and discharges of Loughs Allen, Ree and Derg, for the year.

XI.—Particulars of authorised and permitted undertakings providing supply at 31st March, 1937.

XII.—Units generated in Irish Free State (from 1st April, 1928, to 31st March, 1937).

DUBLIN No. 1 DISTRICT.

Areas Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Dublin City	39,342	42,924				
Rathmines	6,614	6,866				
Terenure and Kimmage ...	1,394	1,694	22,012	23,351		
Crumlin	1,702	3,015				
Rathfarnham	466	534				
Pembroke	7,337	7,815	2,329	2,418	103,942,400	40,000
Templeogue	116	127	Nil	Nil		
Firhouse	18	23	Nil	Nil		
Woodtown	1	1	284	284		
Dublin United Tramways Co. (1896) Ltd. ...	—	—	—	—	22,838,370	5,900
TOTALS ...	56,990	62,999	24,625	26,053	126,780,770	—

CORK No. 1 DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Cork City	7,844	8,773	13,553	16,066	24,399,800	8,700
TOTALS ...	7,844	8,773	13,553	16,066	24,399,800	—

ATHLONE DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Athlone	779	860	270	369	2,413,500	1,100
Ballinasloe	205	224	204	223		
Ballymahon	71	73	17	18	94,300	45
Banagher	81	76	45	45	123,240	127
Ferbane	58	62	1	1		
Cloghan	20	22	Nil	Nil		
Birr	1	1	54	54	142,740	40
Eyrecourt	30	31	Nil	Nil		
Clara	189	199	301	320	466,830	254
Granard	85	88	Nil	6	176,190	83
Edgeworthstown ...	68	67	27	27		
Kilbeggan	61	62	Nil	Nil	63,450	70
Longford	362	394	69	73	577,200	280
Moate	91	94	2	2	65,360	44
Mullingar	449	495	238	394	831,520	350
Roscommon	187	203	35	43	292,710	145
Athleague	Nil	10	Nil	Nil		
Ballygar	Nil	58	Nil	Nil		
Tullamore	466	511	401	436	602,860	270
TOTALS ...	3,203	3,530	1,664	2,011	5,849,900	—

DUBLIN No. 2 DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Balbriggan	180	211	147	165	338,360	120
Skerries	2	2	64	64		
Blackrock and Monkstown	1,561	1,823	229	233		
Cabinteely	55	56	15	18		
Carrickmines	63	69	1	1		
Dalkey	420	486	85	88		
Dundrum	841	1,082	57	59	10,650,490	4,150
Dun Laoghaire	1,978	2,263	200	444		
Foxrock	225	251	36	36		
Killiney and Ballybrack ...	200	221	29	29		
Kill-o'-the-Grange ...	35	38	27	55		
Stillorgan	95	142	147	147		
Bray	1,378	1,567	1,093	1,109		
Shankill and Loughlinstown	169	208	Nil	1	2,516,760	1,200
Kilmacanogue	Nil	7	Nil	Nil		
Blanchardstown	35	48	Nil	7		
Castleknock	90	92	17	18		
Chapelizod	120	155	50	98	525,370	210
Finglas	135	139	44	44		
Clonsilla	Nil	63	Nil	Nil		
The Ranch	Nil	66	Nil	Nil		
Celbridge	74	82	46	47		
Leixlip	74	78	54	79	315,220	120
Maynooth	72	76	62	62		
Kilcock	48	50	23	23		
Clondalkin	84	92	58	73		
Saggart	16	16	913	913		
Rathcoole	34	38	Nil	Nil	2,687,580	736
Tallaght	64	68	138	138		
Greystones	427	454	6	10		
Delgany and Killincarrig ...	46	51	Nil	Nil	1,086,220	350
Newtownmountkennedy ...	18	21	30	30		
Howth and Sutton ...	837	910	97	114		
Coolock	12	27	Nil	1		
Artane	19	25	Nil	Nil		
Baldoyle	78	105	12	12		
Raheny	62	97	2	6		
Malahide	159	183	6	6	3,004,130	1,050
Santry	22	55	Nil	19		
Portmarnock	Nil	69	Nil	Nil		
Rush	112	123	12	12		
Lusk	39	42	12	4		
Swords	101	121	39	62		
Naas	251	263	122	122		
Sallins	27	27	22	179	669,740	240
Clane	10	16	Nil	Nil		
Kill, Co. Kildare ...	Nil	20	Nil	Nil		
Rathdrum	97	99	242	242	354,530	160
Rathnew	Nil	48	Nil	Nil		
Wicklow	218	246	62	66	257,180	127
TOTALS ...	10,583	12,491	4,199	4,836	22,405,580	—

CORK No. 2 DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Blarney	76	91	68	74	424,160	187
Kilnap	3	3	119	119		
Buttevant	108	122	53	53	128,780	59
Doneraile	62	91	2	2		
Castletownroche	Nil	23	Nil	Nil	8,530	10
Clonakilty	282	292	306	455	1,162,800	470
Kinsale	206	219	73	108		
Bandon	5	5	218	261		
Cobh	408	459	64	70	396,710	170
Crosshaven	94	107	18	18	281,390	137
Bishopstown	2	2	11	11		
Mount Desart	1	1	6	6		
Carrigaline	34	42	Nil	15		
Fermoy	277	293	95	127	323,900	177
Mallow	396	432	188	188	752,920	250
Drommahane	Nil	9	Nil	Nil		
Macroom	225	245	12	14	511,190	261
Ballineen	42	44	10	10		
Enniskeane	24	22	2	2		
Dunmanway	2	190	20	118		
Drinagh	Nil	8	Nil	Nil		
Midleton	172	177	201	201	274,620	112
Castlemartyr	34	38	Nil	5		
Ballinacurra	44	47	172	172		
Cloyne	64	66	15	45		
Mitchelstown	287	299	168	180	337,430	140
Passage West	86	92	6	6	195,240	74
Monkstown	50	61	Nil	Nil		
Rochestown	1	1	Nil	Nil		
Youghal	217	248	128	154	239,370	116
TOTALS ...	3,202	3,729	1,955	2,414	5,037,040	—

DUNDALK DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Ardee	1	170	29	99	258,940	113
Ballybay	137	149	Nil	Nil	106,480	55
Blackrock (Louth) ...	67	67	19	20	72,690	37
Cavan	329	346	147	177		
Arvagh	64	60	11	11		
Killeshandra	64	69	172	176	804,990	300
Belturbet	Nil	1	Nil	69		
Carrickmacross	234	251	34	105		
Bailieborough	102	111	26	125	468,480	260
Shercock	25	26	2	2		
Castleblaney	Nil	2	Nil	60	61,800	53
Clones	273	289	44	47	222,610	107
Cootehill	142	146	30	30	137,670	85
Drogheda	852	991	1,579	1,916		
An Uaimh (Navan) ...	357	409	295	366		
Ceanannus Mór (Kells) ...	246	266	137	151	4,297,880	1,550
Trim	125	139	12	12		
Athboy	84	88	Nil	18		
Dundalk	1,578	1,794	2,470	2,562	3,746,010	1,840
Monaghan	1	2	Nil	Nil	63,380	9
Oldcastle	112	116	7	7		
Ballyjamesduff	76	77	7	7	273,450	156
Virginia	41	50	Nil	Nil		
TOTALS ...	4,910	5,619	5,021	5,960	10,514,380	—

GALWAY DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Ballyhaunis	200	211	30	30	193,750	103
Castlebar	387	401	307	369	567,310	203
Claremorris	225	245	146	176	330,850	145
Galway	1,936	2,130	974	1,086	3,020,840	1,050
Gort	143	157	69	86	132,520	64
Loughrea	256	262	100	121	268,520	160
Tuam	421	396	70	93	302,370	210
Westport	353	388	264	292	629,270	357
TOTALS ...	3,921	4,190	1,960	2,253	5,445,430	—

LIMERICK DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Cahir	179	199	179	180	266,540	179
Cappawhite	41	41	3	3		
Cappamore	49	51	47	108	249,620	155
Doon	50	48	8	9		
Limerick Junction ...	26	32	64	64		
Cashel	197	208	33	68	319,590	197
New Inn	7	9	92	95		
Rathluirc (Charleville) ...	232	251	216	239	327,970	169
Ennis	613	666	138	220		
Clarecastle	30	35	Nil	Nil	752,200	330
Newmarket-on-Fergus ...	Nil	44	Nil	12		
Ennistymon	129	137	109	122		
Lahinch	35	43	Nil	Nil		
Lisdoonvarna	61	65	19	19	353,820	195
Miltown Malbay	82	93	Nil	Nil		
Kilmallock	123	137	125	160		
Kilfinane	95	95	26	26		
Hospital	73	75	129	129	577,200	206
Bruff	62	62	13	13		
Knocklong	12	13	220	261		
Killaloe	134	135	330	546		
Newport	57	60	122	122		
Annacotty	7	8	90	90		
Castleconnell	33	36	Nil	Nil	848,800	300
Castletroy	5	11	Nil	Nil		
Ardnacrusha and Clonlara	52	62	227	227		
Limerick	5,166	5,624	1,425	4,125	6,480,560	2,400
Nenagh	423	464	291	313	423,000	210
Newcastle West ...	232	249	123	123		
Rathkeale	162	163	96	96		
Adare	65	72	93	93		
Croom	53	61	10	10	728,310	250
Ardagh	4	10	61	91		
Askeaton	76	75	9	9		
Tipperary	366	386	212	223	433,160	230
Tulla	Nil	71	Nil	Nil		
Kilkishen	Nil	15	Nil	Nil	31,100	'20
TOTALS ...	8,931	9,806	4,510	7,796	11,791,870	—

PORTLAOIGHISE DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Abbeyleix	114	123	21	34	191,480	99
Ballinakill	23	24	Nil	Nil		
Durrow	68	67	6	6		
Ballyroan	2	5	Nil	Nil		
Athy	265	286	110	362	292,200	145
Muine Bheag (Bagenalstown)	135	145	100	104	435,660	212
Leighlinbridge	28	32	60	100		
The Swan	3	3	151	151		
Carlow	483	545	493	517	1,458,310	540
Baltinglass	84	85	Nil	Nil		
Castledermot	56	63	66	71		
Tullow	145	149	63	62		
Castlecomer	112	118	74	75	284,680	120
Freshford	56	58	3	14		
Ballyragget	50	54	15	15		
Talbot's Inch	25	26	13	13		
Edenderry	175	196	211	213	696,600	311
Rathangan	34	33	18	20		
Kildare	127	143	38	114		
Kilkenny	782	863	323	330	1,192,880	550
Callan	113	136	35	50		
Mountmellick	161	182	35	43	158,740	110
Mountrath	113	121	5	10	146,530	74
Droichead Nua (Newbridge)	154	184	351	351	1,042,790	504
Curragh Camp	Nil	1	Nil	Nil		
Ballymany and Loughbrown	Nil	5	Nil	Nil		
Portarlington	208	226	795	792	1,553,160	368
Monasterevan	55	61	66	67		
Portlaoighise	433	457	460	462	1,445,330	400
Rathdowney	91	102	8	8	162,740	79
Ballybrophy	1	1	7	7		
Borris-in-Ossory ...	24	27	Nil	Nil		
Roscrea	352	376	383	433	614,430	250
Stradbally	89	91	20	20	60,440	44
Templemore	148	163	2	30	214,170	101
Borrisoleigh	59	59	34	34		
Thurles	505	548	180	203	625,280	274
TOTALS ...	5,273	5,758	4,146	4,711	10,575,420	—

SLIGO DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Ballina	507	613	144	240	673,460	322
Crossmolina	72	77	40	40		
Enniscrone	Nil	74	Nil	Nil		
Ballaghaderreen	175	202	13	22	176,320	99
Carrick-on-Shannon ...	184	197	36	42	282,300	123
Charlestown and Bellahy	96	102	7	7	135,940	75
Tubbercurry	Nil	105	Nil	5		
Foxford	94	93	230	235	123,300	120
Gorteen	23	25	Nil	Nil	10,620	12
Letterkenny	263	283	57	79	265,400	130
Sligo	904	1,050	350	451	1,403,160	680
Strokestown	101	105	1	4	207,300	85
Elphin	63	60	Nil	Nil		
Boyle	1	1	36	36		
Swinford	186	201	61	60	347,150	160
Kiltimagh	143	145	16	18		
TOTALS ...	2,812	3,333	991	1,239	3,624,950	—

TRALEE DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Abbeyfeale	154	158	5	6	101,360	64
Castleisland	169	173	120	153	280,660	83
Edenburn	Nil	1	Nil	18		
Killarney	1	2	52	80	87,150	40
Killorglin	Nil	135	Nil	5	89,350	40
Milltown	Nil	47	Nil	Nil		
Castlemaine	Nil	4	Nil	108		
Listowel	376	381	344	344	450,160	164
Millstreet	166	165	54	50	104,470	63
Boherbue	37	34	20	21		
Newmarket	126	132	3	6	281,300	145
Kanturk	228	233	38	71		
Dromtariffe	Nil	2	Nil	44		
Tralee	1,162	1,222	563	708	1,299,520	450
TOTALS ...	2,419	2,689	1,199	1,614	2,693,970	—

WATERFORD DISTRICT.

Towns Supplied	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March		Units Supplied at H.T. during Year	Peak Load in KW
	1936	1937	1936	1937		
Arklow	378	487	244	260	873,380	240
Ballypatrick	Nil	1	Nil	58	26,630	25
Cappoquin	128	131	26	26		
Lismore	90	97	13	8	274,370	118
Tallow	111	115	8	10		
Carrick-on-Suir	334	380	131	132	287,810	147
Clonmel	456	511	374	427	967,780	480
Dungarvan	473	513	404	460	651,580	272
Enniscorthy	326	434	320	428	714,060	220
Ferns	32	36	Nil	20	23,100	12
Fethard	136	139	25	25	96,630	64
Gorey	186	190	38	38	195,140	120
New Ross	394	435	396	398	625,710	258
Tramore	374	400	59	102		
Dunmore East	43	55	16	16	567,390	210
Passage East	35	34	Nil	Nil		
Thomastown	Nil	66	Nil	3	9,390	20
Waterford	2,533	2,887	1,777	1,925	3,972,380	1,400
Wexford	495	549	930	990		
Rosslare Strand ...	43	50	12	12	1,244,070	563
Rosslare Harbour and Kilrane	49	56	229	239		
TOTALS ...	6,616	7,566	5,002	5,577	10,529,420	—

REDUCTION IN UNIT RATES OF CHARGE

FOR

RESIDENTIAL PREMISES ON VALUATION TARIFFS.

Effective from and including the September—October and October—November, 1936, accounting periods.

ALL AREAS WHERE THE RATE WAS 1¼d.

For PRIVATE RESIDENCES (on the Valuation Tariff) :

For the first 60 units per two-monthly period ...	...	1¼d. per unit.
For the next 300 ,, ,, ,, ...	...	¾d. ,,
For the excess over 360 units per two-monthly period	...	½d. ,,

For RESIDENCES with SHOPS attached (on the Valuation Tariff and forming a single unit in the occupation of one family) :

For the first 96 units per two-monthly period ...	...	1¼d. per unit.
For the next 440 ,, ,, ,, ...	...	¾d. ,,
For the excess over 536 units per two-monthly period	...	½d. ,,

LIMERICK CITY AND WATERFORD CITY RATES AREAS.

For PRIVATE RESIDENCES (on the Valuation Tariff) :

For the first 120 units per two-monthly period ...	...	1d. per unit
For the next 240 ,, ,, ,, ...	...	¾d. ,,
For the excess over 360 units per two-monthly period	...	½d. ,,

For RESIDENCES with SHOPS attached (on the Valuation Tariff and forming a single premises in the occupation of one family) :

For the first 180 units per two-monthly period ...	...	1d. per unit.
For the next 360 ,, ,, ,, ...	...	¾d. ,,
For the excess over 540 units per two-monthly period	...	½d. ,,

LETTERKENNY AREA.

Effective from and including the January—February, 1937, accounting period for Consumers in the Letterkenny Area :—

PRIVATE RESIDENCES. The charges published in printed Leaflet F.1, dated February, 1931, are abolished, and standard Scale A. fixed charges operate with the following unit rate :—

First 60 units per two-monthly period		1¼d. per unit.
Excess over 60 units per two-monthly period		¾d. ,,

RESIDENTIAL BUSINESS PREMISES (less than £45 P.L.V.) The charges published in printed Leaflet F.1, dated February, 1931, are abolished and standard Scale A. fixed charges operate with the following unit rate :—

First 96 units per two-monthly period		1¼d. per unit.
Excess over 96 units per two-monthly period		¾d. ,,

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Only consumers on a Valuation Tariff are entitled to the above rates. The floor area tariff for Rural Consumers is to be regarded as a valuation tariff in this connection.

In the case of Residences having shops attached, an essential condition for the application of the reduced rate is that the residence and shop together form a single premises in the occupation of one family. Hence, lock-up shops and business premises not used as personal residences by the tenants are not eligible.

Fixed Charges based on the Poor Law Valuation or Floor Area remain unaltered, except in the Letterkenny Area.

REDUCTION IN RATES OF CHARGE FOR LIGHTING IN THE ENVIRONS OF DUBLIN.

Effective from and including the September—October and October—November, 1936, accounting periods :

(*a*) LIGHTING for Business Premises, Shops, Offices, Public Institutions, Churches, Hotels, Factories, and all premises other than private dwelling houses :—

For the first	1,000	units	per	two-monthly	period	...	6d. per unit.
,, next	1,200	,,	,,	,,	...	...	5d. ,,
,, ,,	2,400	,,	,,	,,	...	...	4½d. ,,
,, ,,	3,200	,,	,,	,,	...	...	4d. ,,
,, ,,	6,200	,,	,,	,,	...	...	3½d. ,,
,, ,,	16,000	,,	,,	,,	...	...	3d. ,,
For the excess over 30,000 units per two-monthly period						...	2½d. ,,

N.B.—It should be noted that the new rates are on the basis of two-monthly instead of annual consumptions.

(*b*) " STAND-BY " LIGHTING ... ... 6d. per unit.

(*c*) LIGHTING for Premises such as Stores, Coal Yards, Petrol Depots, Sheds, Sports Pavilions, Workshops, etc. :

As quoted above for business premises. The minimum bill is reduced to 7s. 6d. per two-monthly period.

(*d*) SHOP WINDOW AFTER-HOUR DISPLAY LIGHTING ... 2d. per unit.

(*e*) EXTERNAL AND PUBLIC DISPLAY LIGHTING ... ... 2d. ,,

(*f*) OFF-PEAK LIGHTING ... ... 2d. ,,

The areas affected by the above reductions are :—

Baldoyle.	Coolock.	Finglas.	Monkstown	Shankill.
Ballybrack.	Crumlin	Firhouse.	(Dublin).	Stillorgan.
Blackrock	(Part only).	Foxrock.	Mount Merrion.	Sutton.
(Dublin).	Dalkey.	Greystones.	Rathfarnham	Templeogue
Booterstown.	Deansgrange.	Howth.	(part only).	(part only).
Bray.	Drimnagh	Kilgobbin.	Sandyford.	Windy Arbour
Cabinteely.	(part only).	Killiney.	Santry.	(Dundrum).
Carrickmines.	Dundrum.	Kill o' the Grange.	Shanganagh.	
Churchtown.	Dun Laoghaire.	Loughlinstown.		

REDUCTION IN RATES OF CHARGE FOR GENERAL LIGHTING FOR HOTELS.

Effective from and including the September—October and October—November, 1936, accounting periods in all areas except those at present covered by the Dublin City, Cork City and Letterkenny Rates of Charge Leaflets.

GENERAL LIGHTING FOR HOTELS.

For the first	1,000	units	per	two-monthly	period	...	6d. per unit.
,, next	1,200	,,	,,	,,	...	...	5d. ,,
,, ,,	2,400	,,	,,	,,	...	...	4½d. ,,
,, ,,	3,200	,,	,,	,,	...	...	4d. ,,
,, ,,	6,200	,,	,,	,,	...	...	3½d. ,,
,, ,,	16,000	,,	,,	,,	...	...	3d. ,,
For the excess over 30,000 units per two-monthly period						...	2½d. ,,

N.B.—It should be noted that the new rates are on the basis of two-monthly, instead of annual, consumptions.

EXTERNAL AND PUBLIC DISPLAY LIGHTING FOR HOTELS 2d. per unit.

OFF PEAK LIGHTING FOR HOTELS ... ... 2d. ,,

MINIMUM CHARGE FOR HOTELS ... £1 5s. 0d. per two-monthly period.

The reduced rates apply to Hotels only. The minimum charge is an integral part of the tariff.

REDUCTION IN RATES OF CHARGE FOR GENERAL LIGHTING FOR HOTELS IN DUBLIN CITY.

Effective as from meter reading nearest 15th January, 1936.

For the first	20,000	units	per	annum	...	...	5.062d. per unit.
,, next	15,000	,,	,,		...	...	4d. ,,
,, ,,	165,000	,,	,,		...	...	2d. ,,
For the excess over	200,000	units	per	annum		...	1d. ,,

REDUCTION IN RATES OF CHARGE FOR GENERAL LIGHTING FOR FACTORIES.

Effective from and including the October—November and November—December, 1936, accounting periods in all areas except those at present covered by the Dublin City, Cork City and Letterkenny Rates of Charge Leaflets, for premises classified as factories.

For the first	1,000	units	per	two-monthly	period	... 6d. per unit.
,, next	1,200	,,	,,	,,		... 5d. ,,
,, ,,	2,400	,,	,,	,,		... 4½d. ,,
,, ,,	3,200	,,	,,	,,		... 4d. ,,
,, ,,	6,200	,,	,,	,,		... 3½d. ,,
,, ,,	16,000	,,	,,	,,		... 3d. ,,
For the excess over	30,000	units	per	two-monthly	period	... 2½d. ,,

N.B.—It should be noted that the reduced rates are on the basis of two-monthly, instead of annual, consumptions.

REDUCTION IN RATES OF CHARGE FOR HOT WATER SUPPLY (*through approved apparatus*).

Either of the following rates is available for non-domestic purposes in all areas as from the meter readings nominally made on 1st August and 1st September, 1936.

A. *Single Tariff Supply :*

For all units consumed ... ... ½d. per unit.

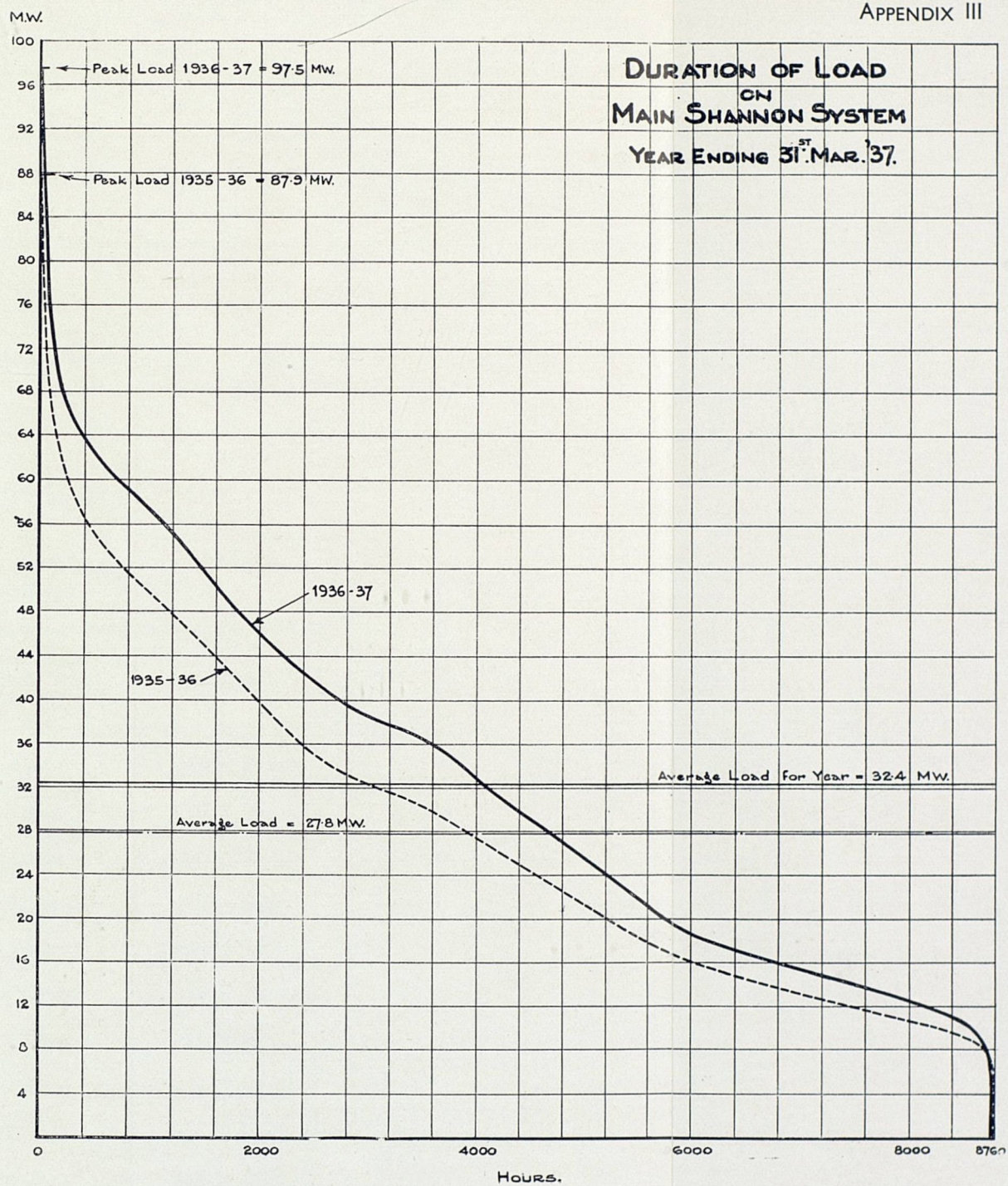
Rental is not charged on the meter required for this supply.

B. *Double Tariff Supply :*

For units consumed between the hours of 8 a.m. and 10 p.m. ½d. per unit.

For units consumed between the hours of 10 p.m. and 8 a.m. ⅓d. ,,

The double tariff meter required for this supply is subject to a rental of 6s. 8d. per two-monthly period. This charge includes maintenance and setting. At least one complete year's rental must be paid.



To face page 32

Transmission and Distribution Systems in Commission at the 31st March, 1937.

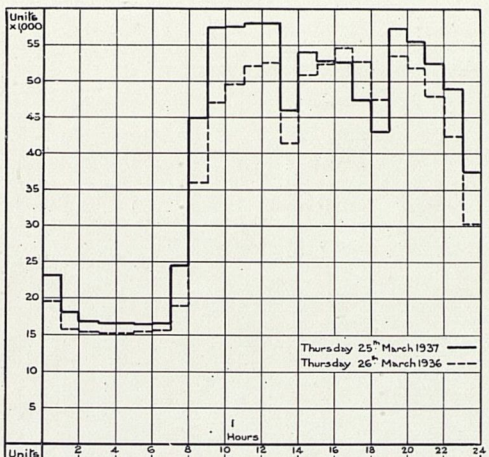
Transformer Stations	Number in Commission	Increase for year	Total Capacity	Increase in capacity for year
110 kV Stations ...	2		110/38 kV/Stations=68,000 kVA 110/10 kV/Stations=15,000 kVA	
38 kV Stations ...	83	4	145,390 kVA.	26,690 kVA
10 kV Sub-stations	750	109	92,940 kVA.	15,895 kVA
5 kV Sub-stations	99	4	62,168 kVA.	9,780 kVA
D.C. Sub-stations	7	1	15,500 kW.	600 kW
Frequency-Changing Sub-station ...	1	—	6,320 kVA.	—

Transmission and Distribution Systems	Length	Increase for Year	Description
110 kV Lines ...	184·4 Kms.	—	6×95 sq. mm. Double Circuit.
110 kV Lines ...	95·7 Kms.	—	3×95 sq. mm. Single Circuit.
38 kV Lines ...	1,623·4 Kms.	16·2 Kms.	3×50 sq. mm.
38 kV Lines ...	271·9 Kms.	—	3×35 sq. mm.
10 kV Lines ...	2,341·3 Kms.	268·1 Kms.	—
38 kV Cables ...	12·2 Kms.	12·2 Kms.	3×185 sq. m.m.
38 kV Cables ...	28·6 Kms.	—	3×150 sq. mm.
38 kV Cables ...	7·2 Kms.	—	3×95 sq. mm.
10 kV Cables ...	170·0 Kms.	18·4 Kms.	—
5 kV Cables ...	245·8 Kms.	8·0 Kms.	—

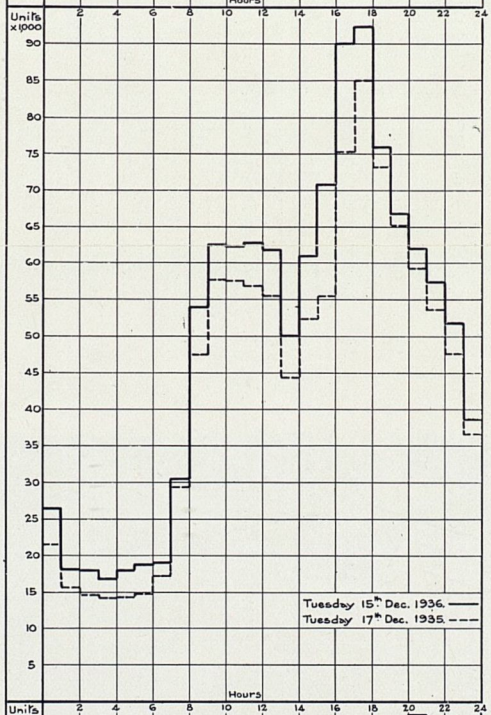
Distribution at High Tension of Units Generated
Year ending the 31st March, 1937.

District		High Tension Units	Percentage of Total
Dublin City, Fleet Street	86,289,600		
„ „ Milltown	17,652,800		
DUBLIN CITY TOTAL		103,942,400	36·6
Dublin United Tramways Co. (1896), Ltd.		22,838,370	8·0
Cork City, D.C.	13,352,600		
„ „ A.C.	11,047,200		
CORK CITY TOTAL		24,399,800	8·6
Athlone District		5,849,900	2·1
Cork No. 2 District		5,037,040	1·8
Dublin No. 2 District		22,405,580	7·9
Dundalk District		10,514,380	3·7
Galway District		5,445,430	1·9
Limerick District		11,791,870	4·2
Portlaoighise District		10,575,420	3·7
Sligo District		3,624,950	1·3
Tralee District		2,693,970	0·9
Waterford District		10,529,420	3·7
Compensatory and other Non-chargeable Units ...		1,137,530	0·4
Station Auxiliaries		7,991,100	2·8
High Tension Losses		35,340,340	12·4
NET TOTAL GENERATED ...		284,117,500	100·0
Utilised for Electric Boilers at Steam Stations		44,700	
GROSS TOTAL GENERATED ...		284,162,200	

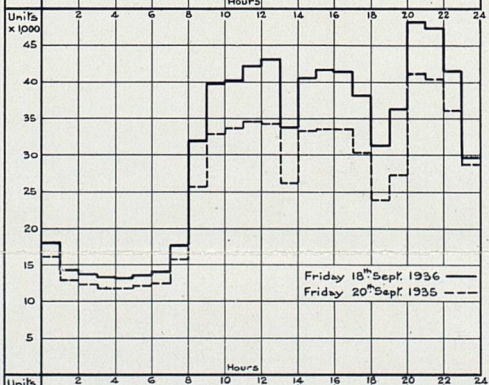
TYPICAL DAILY LOAD CURVES.



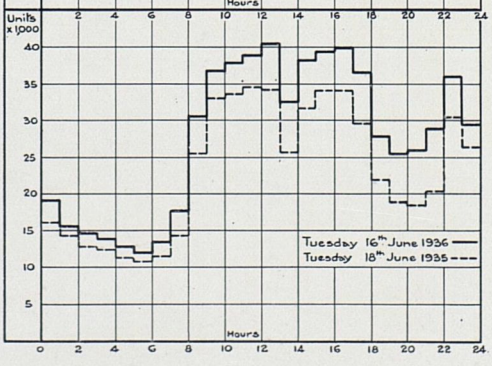
March



December



September



June

To face page 31

Monthly Output (kWH) of the Board's Generating Stations Year ending 31st March, 1937.

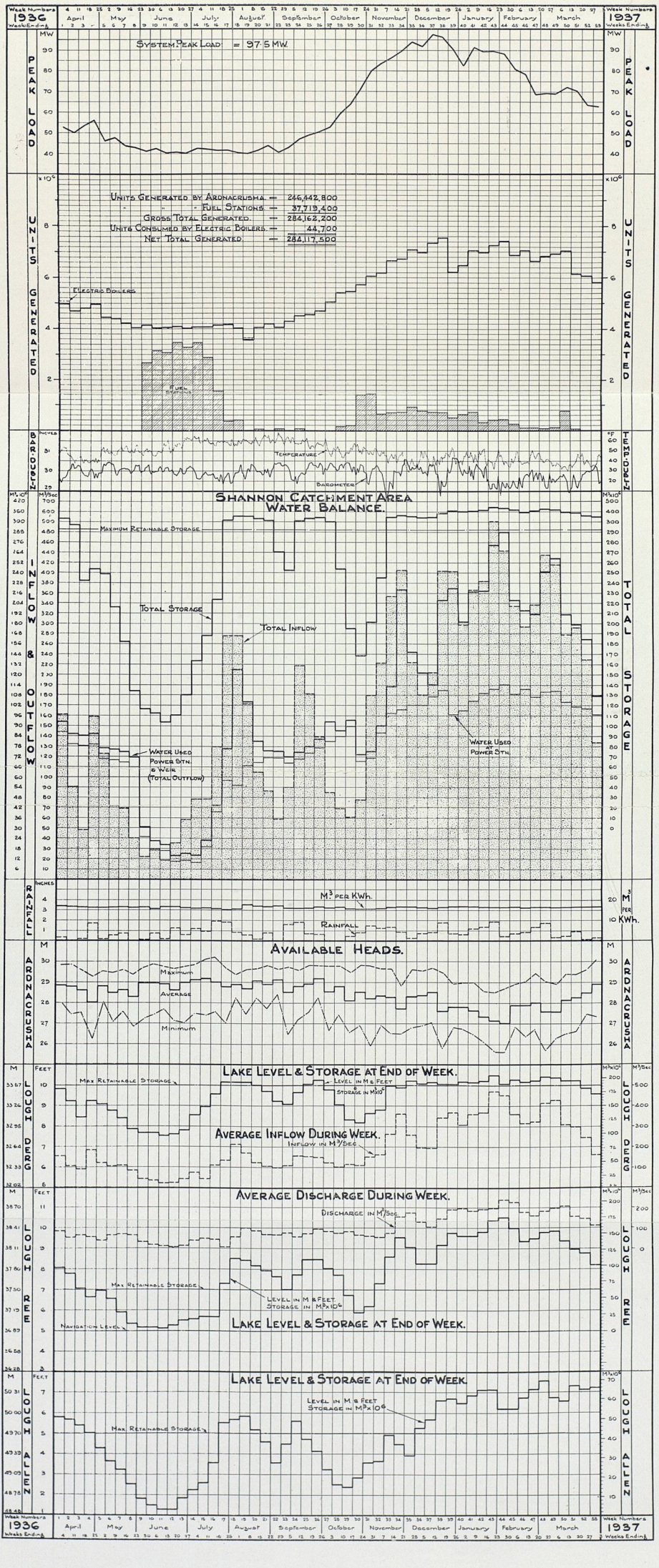
Month (Calendar)	Ardnacrusha *less* Electric Boilers	Pigeon House (Dublin)	Cork	Letterkenny	Acquired Stations closed down	Total of all Stations
April ...	20,759,800	—	9,200	19,300	20,900	20,809,200
May ...	15,403,800	3,065,800	—	17,200	19,100	18,505,900
June ...	3,371,100	13,974,800	18,000	15,900	17,200	17,397,000
July ...	11,042,500	7,284,100	—	16,200	16,900	18,359,700
August ...	17,309,800	69,600	—	16,000	15,500	17,410,900
September ...	19,824,900	5,300	28,500	19,100	12,800	19,890,600
October ...	21,756,700	3,173,000	—	24,900	10,200	24,964,800
November ...	25,098,900	3,228,000	12,100	29,800	6,300	28,375,100
December ...	27,955,400	2,993,400	—	34,900	6,400	30,990,100
January ...	29,347,600	1,995,400	—	33,900	3,200	31,380,100
February ...	26,755,500	637,900	12,500	29,100	1,100	27,436,100
March ...	27,772,100	732,800	63,500	29,200	400	28,598,000
TOTALS ...	246,398,100	37,160,100	143,800	285,500	130,000	284,117,500

Capacity of the Board's Main Generating Stations at the 31st March, 1937.

Generating Stations	Type	Installed Capacity
ARDNACRUSHA ...	Hydro	(*a*) 3 Francis Turbines, each rated at 30,000 H.P. coupled to 30,000 kVA generators, each giving an output of approximately 21,000 kW. 1 Kaplan Turbine rated at 30,000 H.P. coupled to a 25,000 kVA generator. Total capacity at Generator Terminals :— 93,500 kW. at 30 m. head. 77,500 kW. at 25·5 m. head. (*b*) 3 Step-up Transformers (10/110 kV) of a total capacity of 90,000 kVA and 2 Step-up Transformers (10/38 kV) with a total capacity of 16,000 kVA.
PIGEON HOUSE ...	Steam	(*a*) Steam capacity equivalent to 64,000 kW. approximately. (*b*) Steam accumulator capacity of approximately 5,000 kW. for 45 minutes. (*c*) Generator capacity equivalent to 79,000 kW. (*d*) 3 Transformers (5/38 kV) of 60,000 kVA total capacity.
CORK	Steam	(*a*) Steam capacity equivalent to 5,000 kW. approximately. (*b*) Generator capacity equivalent to 6,500 kW. (D.C.).

To face page 36 (1)

MAIN SHANNON SYSTEM. Weekly Summary of Operating Conditions. Year Ending March, 31st 1937.



Particulars of Electricity Undertakings which at 31st March, 1937, had not been acquired by the Electricity Supply Board.

A.—Authorised Undertaking.
All others are Permitted Undertakings.

NOTE.—In 14 cases where the number of consumers is 3 or under Permits have also been issued. These undertakings are not shown in the following Schedule.

(1) Town	(2) Population	(3) Name of Undertaker	(4) No. of Consumers	(5) Normal Tariffs per Unit for			(6) Units Sold, Year ended 31st March 1937
				Lighting	Heating and Cooking	Power	
Ardara	411	The Ardara Woollen & Industrial Co., Ltd ...	87	10d.	1d.	—	12,935
Ardfinnan	302	Mulcahy, Redmond & Co., Ltd.	8	1/6	—	—	2,087
Athenry	993	Ruane's Electric Light Works	132	1/–	6d.	6d., 4d. & 3d.	22,872
Balla	259	John McEllin	46	1/–	6d.	6d.	7,658
Ballinlough	275	Ballinlough Electricity Supply Co. ...	49	1/–	5d.	5d.	4,973
Ballinamore	712	F. J. McAvinia	128	1/–	—	—	12,500
Ballindine	203	E. W. Griffith	25	8d. & 10d.	—	—	1,910
Ballinrobe	1,337	The Ballinrobe Electric & Woollen Co., Ltd.	209	10d.	3d.	3d.	64,910
Ballybofey and Stranorlar	1,250	Ballybofey & Stranorlar Electric Supply Co.	136	1/–	6d.	6d.	15,713
Ballybunion	378	The Ballybunion Electricity Supply Co., Ltd.	161	1/–	6d.	6d.	19,568
Ballyconnell	314	William Stewart	65	1/–	—	—	5,187
Ballymote	750	The Ballymote E. L. & Town Improvements Co.	97	1/–	—	—	13,434
Ballyshannon	2,112	John Myles & Co.	645	8d.	1d. & 2d.	2d. & 3d.	135,794
Ballysodare	253	W. G. & T. Pollexfen	32	6d./7d.	2½d.	2½d.	12,840
Bandon	2,830	The Bandon Milling & Electric Lighting Co., Ltd.	593	10d.	4d. to 1d.	4d. to 1d.	385,893
Bantry	2,685	The Bantry Electric Light Co., Ltd. ...	381	11d.	4d.	4d. to 1d.	114,300
Belmullet	566	M. McEntyre	42	10d.	—	5d.	5,536
Belmont, Offaly ...		Robert Perry & Co. (1927), Ltd. ...	9	6d.	—	—	2,282
Belturbet	1,307	William Stewart	138	10d.	—	—	26,415
Birr	3,402	The Birr E. L. & Power Co., Ltd. ...	418	8d.	3d. to 4d.	3d. to 4d.	107,584
Blacklion	116	Capt. W. J. Nixon	26	1/–	—	—	1,420
Boyle	2,323	George Stewart	82	7d.	1d. to 3d.	2d.	28,272

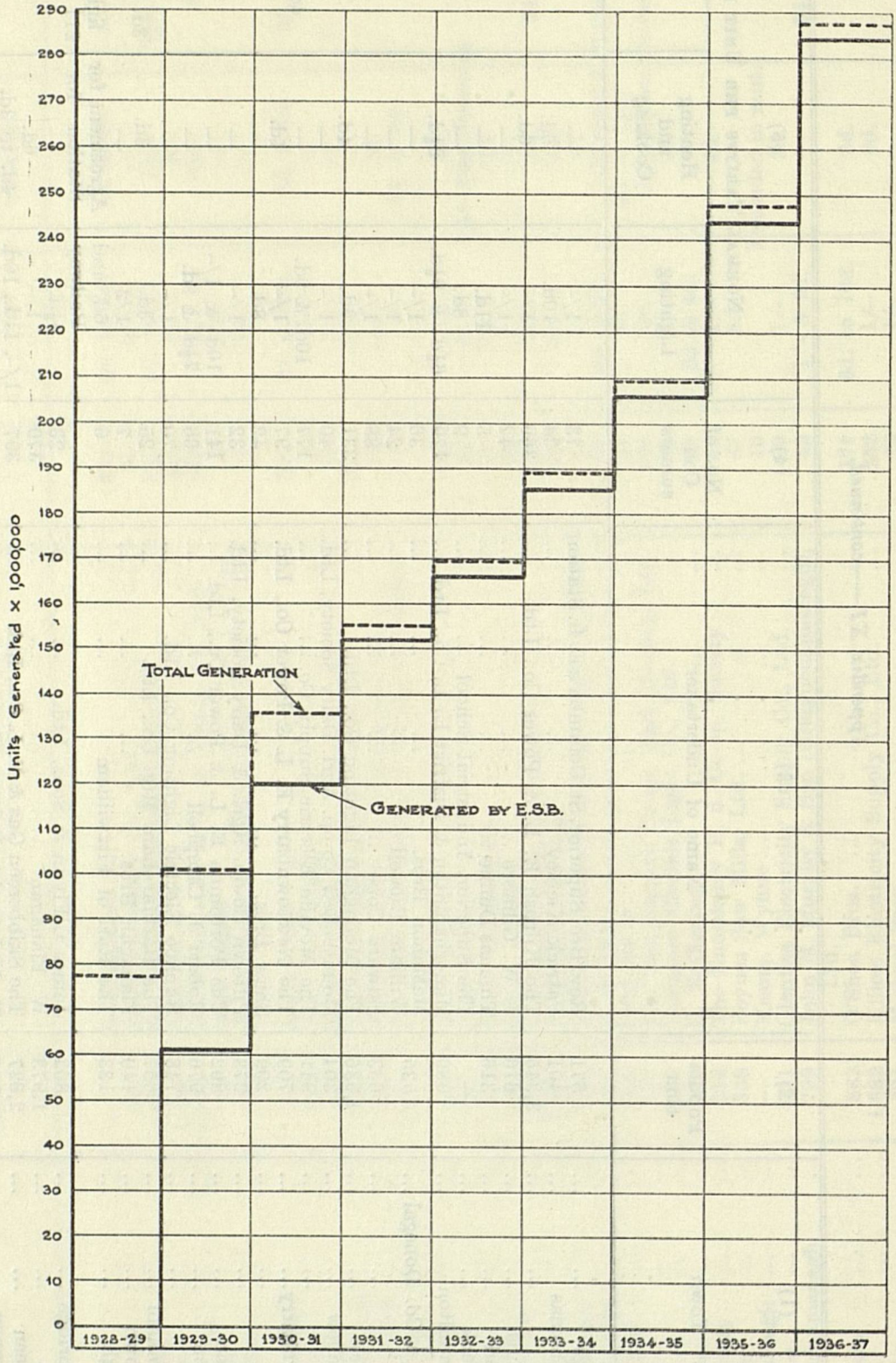
(1) Town	(2) Population	(3) Name of Undertaker	(4) No. of Consumers	(5) Normal Tariffs per Unit for			(6) Units Sold, Year ended 31st March, 1937
				Lighting	Heating and Cooking	Power	
Boyle	—	John Stewart	294	4d. to 7d.	1d. to 4d.	2d. to 3d.	101,608
Borris	452	Borris Electricity Co., Ltd.	41	1/-	—	6d.	4,327
Buncrana	2,309	The Buncrana Electric Supply Co. ...	315	4d. to 7d.	2½d.	2½d. to 1½d.	244,236
Bundoran	1,339	John Myles & Co.	441	6d.	2d.	2d.	115,322
Cahirciveen	1,773	The Cahirciveen E. L. & Power Co., Ltd.	239	10d.	6½d.	6½d.	32,726
Campile	90	John Kenny	4	1/6	—	—	397
Carlingford	547	The Carlingford Electricity Co., Ltd. ...	57	10d.	—	5d.	8,414
Carndonagh	719	James Kelly	102	6d. to 10d.	2d. & 4d.	2d. & 4d.	23,500
Carrigallen	214	John McLoughlin	4	1/-	—	—	700
Carrigart	124	Miss M. Maguire	17	1/-	—	—	800
Castleblayney	1,550	The Castleblayney E. L. & P. Co. ...	165	10d.	—	6d.	38,567
Castlepollard	492	The Irish Electrical Construction Co. ...	78	11d.	5d.	3d.	11,303
Castlerea	1,207	The Castlerea Lighting & Milling Co. (1923) Ltd.	170	1/-	5d. & 6d.	6d.	45,856
Clifden	964	E. J. King	130	10d.	3d.	—	22,000 approx.
Clogheen	641	John Browne	82	11d.	6d.	Miscellaneous	10,843
Collooney	319	W. A. G. Middleton	57	7½d.	1½d.	Nil	17,792
Cloughjordan	404	Martin Gleeson	81	1/-	—	—	10,880
Dingle	1,998	The Dingle E. L. & Power Co.	183	10d.	5d.	5d. & 4d.	26,807
Donegal	1,272	J. McGowan & Sons	165	10d.	3d.	3d.	35,353
Drumkeeran	250	The Drumkeeran Electricity Supply Co., Ltd.	49	1/-	4d.	—	4,634
Drumshambo	440	C. S. Laird	83	8d. & 7d.	Contract £	10 per annum	21,558
Dromahair	265	Paul Jeiter	31	9d.	3d. & 1½d.	—	11,500
Dungloe	577	The Templecrone Co-op. Agrl. Society, Ltd.	120	8d.	£3 per year	for radiators.	15,000 estd.
Dunmore	530	Dunmore Electric Light Co., Ltd. ...	79	1/-	5d.	5d.	6,661
Emyvale	237	O. McCluskey	30	8d. & 4d.	—	—	2,520
Enniskerry	214	The Enniskerry E. S. Co-op. Society ...	47	1/-	4d.	4d.	6,438
Foynes	358	Foynes Saw Mills, Ltd.	47	8d.	—	4d.	7,457
Glendalough	—	Messrs. Wynne	10		Included in rent.		5,000 approx.
Glenties	311	Glenties Electricity Supply Co., Ltd. ...	69	1/-	3d.	3d.	7,578
Graiguenamanagh ...	799	John M. Murphy & Son (Graiguenamanagh), Ltd.	49	1/- & 9d.	—	3½d. & 6d.	11,690
Kenmare	883	O'Shea Bros.	171	6d. to 10d.	3d.	3d.	29,060
Kilkee	1,682	Kilkee Electricity Supply Co., Ltd. ...	252	1/-	6d.	6d.	25,772
Kilkelly	191	Michael Snee	28	1/-	—	—	4,800
Killarney (*A.*) ...	5,328	The Kerry Electric Supply Co.	576	10d., 9d., 8d.	1½d. to 1d.	5d. to 1½d.	321,216

(1) Town	(2) Population	(3) Name of Undertaker	(4) No. of Consumers	(5) Normal Tariffs per Unit for			(6) Units Sold, Year ended 31st March, 1937
				Lighting	Heating and Cooking	Power	
Killybegs	571	Rev. Bro. Superior, St. Columba's E. L. Station	73	1/–	—	—	7,589
Kilmacthomas ...	401	Patrick Kiersey	34	10d.	5d.	2½d.	6,065
Kilrush	3,345	The Kilrush E. L. & Power Co., Ltd. ...	369	1/–	6d.	6d.	53,173
Kingscourt	616	J. W. Gilmore	42	1/–	—	—	4,216
Kinnegad	316	Thomas Dunne	5	11d.	—	—	1,500 estd.
Letterfrack	—	The Superior, Industrial School	9	8d.	—	—	1,470
Manorhamilton ...	989	Manorhamilton & District E. L. Co., Ltd. ...	129	6½d. & 9½d.	2½d.	2d.	26,140
Milford } Co. Donegal ...	535	McMahon Bros.	36	1/–	—	—	4,500
Milford }		William Russell	24	1/–	—	—	1,376,
Mohill	653	Edward Cope	88	1/–	—	6d.	18,421
Monaghan	4,636	The Monaghan Lighting Co., Ltd. ...	331	9d.	4d.	4d.	88,301
Mountbellew	304	Mountbellew Co-op. Agrl. Dairy Society, Ltd.	40	1/–	—	—	7,251
Moville	941	The Moville Electric Supply Co.	177	10d. & 9d.	—	4d. & 3d	14,500
Newtownbarry... ...	709	The Newtownbarry E. L. & Power Co., Ltd.	97	1/–	4d.	4d.	12,577
Pettigo	299	Shaw Bros.	42	8d.	—	4d.	4,482
Piltown	273	Piltown Co-op. Agrl. & Dairy Society, Ltd.	32	1/–	—	—	2,580
Portumna	892	The Portumna E. L. & Power Co., Ltd. ...	141	10d. & 1/–	—	7d.	20,518
Ramelton	976	Robert J. Campbell	66	7½d. & 9d.	—	4½d.	10,240
Raphoe	748	Raphoe Electric Lighting Co., Ltd. ...	70	1/–	—	6d.	11,800
Rathfarnham	657	The Rathfarnham Mfg. Co., Ltd. ...	25	3d.	3d.	3d. less 10%	13,650
Riverstown	140	Flanagan Bros.	7	1/2	—	—	268
Shillelagh	133	The Earl of Fitzwilliam	6	6d. and Railway	Agreement for Station for	lighting £11 per year.	1,842
Sixmilebridge	303	James O'Flynn & Sons, Ltd.	23	6½d.	—	2½d.	51,900
Skerries	1,973	W. Flanagan	370	1/–	6d.	3½d.	68,235
Skibbereen	2,627	The Skibbereen Gas & E. L. Co., Ltd. ...	307	1/–, 11d., 10d.	4d. to 3d.	3d.	46,740
Tuamgraney	107	E. McLysaght, Raheen, Tuamgraney ...	4	1/–	—	—	1,400
Windgap	77	Windgap Co-op. Dairy Society, Ltd. ...	10	Fixed yearly rent including Wiring, etc.	—	—	1,500
Woodford	247	John Roche	21	10d.	—	—	6,080
Various Districts ...	—	Great Northern Railway Co. (Ireland) ...	75	1·1d. to 1/–	1·1d. & 1·125d.	1·125d.	22,879

UNITS GENERATED IN IRISH FREE STATE

From April 1st, 1928, to March 31st, 1937.

APPENDIX XII



ACCOUNTS

No. 1.

Dr. **INSTALLATIONS TRADING ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1937.** *Cr.*

	£ s. d.		£ s. d.
To Cost value of work for which credit had not been taken at 31st March, 1936 ...	25,326 16 11	By Credit taken for contracts completed and charged	64,807 0 11
„ Cost of installation work carried out during the year	52,385 16 10	„ Cost value of work for which credit has not yet been taken	27,313 3 8
„ Gross profit, carried down	14,407 10 10		
	£92,120 4 7		£92,120 4 7
To Salaries, wages and state insurance £4,801 5 0		By Gross profit, brought down	14,407 10 10
„ Travelling expenses ... 782 0 0			
„ Rents and rates 133 7 4			
„ Sundry expenses 464 13 7			
„ General overhead expenses and interest, as apportioned ... 3,630 0 11			
	9,811 6 10		
BALANCE, carried to PROFIT AND LOSS ACCOUNT	4,596 4 0		
	£14,407 10 10		£14,407 10 10

No. 2.

Dr. **MERCHANDISE TRADING ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1937.** *Cr.*

	£ s. d.		£ s. d.
To Cost value of transactions for which credit had not been taken at 31st March, 1936	9,539 5 1	By Credit taken for sales	53,843 14 10
„ Cost of goods issued as sales	49,339 1 11	„ Cost value of transactions for which credit has not yet been taken	19,631 3 4
„ Sundry costs in connection with sales ...	4,538 10 1		
„ Gross profit, carried down	10,058 1 1		
	£73,474 18 2		£73,474 18 2
To Salaries, wages, commission and state insurance ... £2,809 13 7		By Gross profit, brought down	10,058 1 1
„ Travelling expenses ... 205 2 8		„ Hireage receipts on hire-purchase appliances	204 7 5
„ Rents and rates 254 1 10			
„ Sundry expenses 584 17 8			
„ General overhead expenses and interest, as apportioned ... 3,505 8 1	7,359 3 10		
„ BALANCE, carried to PROFIT AND LOSS ACCOUNT	2,903 4 8		
	£10,262 8 6		£10,262 8 6

No. 3.

Dr. **SHANNON FISHERIES TRADING ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1937.** *Cr.*

	£ s. d.		£ s. d.
To Operation, maintenance and repair of fisheries	2,044 15 4	By Sales of fish and letting of fishing rights	693 14 0
„ Fishery rates	346 17 9	„ Balance, carried down	2,080 7 1
„ General management and overhead expenses	382 8 0		
	£2,774 1 1		£2,774 1 1
To Balance, brought down	2,080 7 1	By Balance, carried to Profit and Loss Account	3,559 3 9
„ Compensation to employees of acquired fisheries	248 16 8		
„ Apportionment of interest on capital invested in fisheries	1,230 0 0		
	£3,559 3 9		£3,559 3 9

No. 4.

Dr. **REVENUE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1937.** *Cr.*

	£ s. d.	£ s. d.
To GENERATION :—		
Operating expenses	71,058 14 3	
Maintenance and repair	38,345 19 10	
		109,404 14 1
,, TRANSMISSION :—		
Operating expenses	8,840 17 10	
Maintenance and repair	20,135 10 3	
		28,976 8 1
,, DISTRIBUTION :—		
Operating expenses	105,775 6 0	
Maintenance and repair	65,021 18 4	
		170,797 4 4
,, GENERAL MANAGEMENT AND OVERHEAD EXPENSES :—		
Salaries, wages, commission and state insurance	224,408 2 2	
Transport and travelling expenses ...	22,783 13 1	
Rents and rates of office and store premises	6,403 15 3	
Insurances	8,216 12 2	
Stationery	9,847 19 10	
Telephones and postage	8,632 5 2	
Up-keep of buildings	8,604 11 11	
Up-keep of furniture and equipment	4,464 13 6	
Publicity	17,389 2 10	
Exhibition and demonstration ...	12,821 0 0	
Audit fees	1,000 0 0	
Other professional fees and expenses	235 18 4	
Electricity consumed	3,194 19 5	
Sundry expenses	865 7 9	
	328,868 1 5	
Less : Apportionment charged to other accounts and to capital works ...	16,092 14 11	
		312,775 6 6
,, Pensions and compensation to officers of acquired undertakings		15,441 14 3
,, Provision for bad debts		1,900 0 0
,, Depreciation of stocks of material		6,949 6 8
,, BALANCE, carried to PROFIT AND LOSS ACCOUNT ...		944,209 17 6
		£1,590,454 11 5

	£ s. d.	£ s. d.
By Charges for electricity, etc. :—		
General consumers	1,463,761 19 3	
Public lighting	80,844 10 7	
Meter and other rents ...	39,826 4 1	
		1,584,432 13 11
,, Miscellaneous revenue		6,021 17 6
		£1,590,454 11 5

No. 5.

Dr. PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1937. *Cr.*

	£	s.	d.		£	s.	d.
To Interest payable to the Minister for Finance under the Electricity (Supply) Act, 1927, as follows :—				By Balance transferred from Revenue Account ...	944,209	17	6
Under section 13, in respect of advances under— £ s. d. £ s. d.							
(*a*) section 12 (2) ... 7,778 12 8				,, Loan-stock sinking funds' investment income ...	4,983	15	8
(*b*) section 12 (3) ... 94,905 7 5							
Under section 15 (3) in respect of the liability transferred from the Shannon Power Development Fund under section 15 (2) 296,863 0 2				,, Discount at which loan-stock was redeemed ...	256	16	5
,, Interest payable to the Minister for Finance under the Electricity (Supply) (Amendment) Acts, 1931 to 1934 ... 128,781 14 10				,, Interest receivable	1,609	2	7
528,328 15 1							
,, Interest on loans and loan-stocks of acquired undertakings 18,333 10 10							
,, Other interest 11,911 16 2							
558,574 2 1							
Less : Apportionment charged to other accounts and to capital works ... 26,185 0 0							
	532,389	2	1				
,, Loan-stock management charges	241	7	4				
,, Gross contributions to loan-stock sinking funds of acquired undertakings	14,445	19	10				
,, Reserves, being the amount of capital of acquired undertakings repaid or provided for repayment	24,710	16	4				
,, Premium at which loan-stock was redeemed	1,850	11	5				
,, Balance, carried down	377,421	15	2				
	£951,059	12	2		£951,059	12	2
To Annuity in respect of moiety of advance by the Minister for Finance under the provisions of the Cork Tramways (Employees' Compensation) Act, 1933	1,589	0	6	By Balance, brought down	377,421	15	2
,, Shannon Fisheries trading loss	3,559	3	9	£ s. d.			
,, Reserve for depreciation of physical capital assets, other than depreciation provided by repayment of capital liabilities of acquired local authority undertakings ...	243,000	0	0	,, Installations trading profit ... 4,596 4 0			
,, Balance, carried down	136,772	19	7	,, Merchandise trading profit ... 2,903 4 8			
					7,499	8	8
	£384,921	3	10		£384,921	3	10
To General Reserve	£136,772	19	7	By Balance, brought down	£136,772	19	7

No. 6.

Dr. CAPITAL ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1937. *Cr.*

	Total to 31st March, 1936 less— amounts written off	Expenditure during year to 31st March, 1937 less— amounts written off	Total to 31st March, 1937 less— amounts written off
	£ s. d.	£ s. d.	£ s. d.
To GENERATION: physical assets	5,213,385 0 7	308,927 13 8	5,522,312 14 3
„ TRANSMISSION: physical assets	2,327,633 14 10	64,378 19 7	2,392,012 14 5
„ DISTRIBUTION:			
(*a*) physical assets ...	2,677,312 1 5	259,145 8 4	2,936,457 9 9
(*b*) other capital expenditure	411,392 1 6	14,781 10 11	426,173 12 5
„ GENERAL:			
(*a*) physical assets ...	171,241 9 0	9,349 11 2	180,591 0 2
(*b*) other capital expenditure	329,043 2 4	(—) 2,644 2 11	326,398 19 5
„ SHANNON FISHERIES ...	13,326 2 5	16,073 7 7	29,399 10 0
£	11,143,333 12 1	£670,012 8 4	11,813,346 0 5
„ NON-CLASSIFIED EXPENDITURE: New works in progress			337,801 12 4
TOTAL ...			12,151,147 12 9
			£12,151,147 12 9

	Total Receipts to 31st March, 1936 less— redemptions	Receipts during year to 31st March, 1937 less— redemptions	Total Receipts to 31st March, 1937 less— redemptions
	£ s. d.	£ s. d.	£ s. d.
By Loans and loan-stocks of local authority undertakings, and amount capitalised under section 39 (7) of the Electricity (Supply) Act, 1927:			
LOANS AND LOAN-STOCKS ...	278,413 16 6	(—) 43,318 16 6	235,095 0 0
LIABILITY UNDER SECTION 39 (7)	6,515 11 7	(—) 772 17 3	5,742 14 4
„ Minister for Finance: For advances under the Electricity (Supply) Act, 1927—			
SECTION 12 (2) ...	156,000 0 0	—	156,000 0 0
SECTION 12 (3) ...	1,903,688 6 1	—	1,903,688 6 1
For advances under the Electricity (Supply) (Amendment) Act, 1931, as extended by the Electricity (Supply) (Amendment) Acts, 1932 and 1934	2,437,551 17 5	397,329 14 10	2,834,881 12 3
For advances to the Shannon Power Development Fund applicable, as determined under section 15 of the Electricity (Supply) Act, 1927, to the Shannon Works handed over ...	5,953,571 5 8	—	5,953,571 5 8
TOTAL ... £	10,735,740 17 3	£353,238 1 1	11,088,978 18 4
By BALANCE			1,062,168 14 5
			£12,151,147 12 9

No. 7.

STATEMENT OF CAPITAL RECEIPTS AND REDEMPTION THEREOF TO THE 31st MARCH, 1937.

	Total Receipts to 31st March, 1937	Redeemed			Balance of Capital Receipts Outstanding at 31st March, 1937
		Total to 31st March, 1936	During year to 31st March, 1937	Total to 31st March, 1937	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Loans and loan-stocks of local authority undertakings, and amount capitalised under section 39 (7) of the Electricity (Supply) Act, 1927 :—					
Loans and Loan-stocks	740,955 7 5	462,541 10 11	43,318 16 6	505,860 7 5	235,095 0 0
Liability under Section 39 (7) ...	15,065 16 10	7,735 0 8	1,588 1 10	9,323 2 6	5,742 14 4
Minister for Finance :—					
For advances under the Electricity (Supply) Act, 1927 :—					
Section 12 (2)	156,000 0 0	—	—	—	156,000 0 0
Section 12 (3)	1,903,688 6 1	—	—	—	1,903,688 6 1
For advances under the Electricity (Supply) (Amendment) Act, 1931, as extended by the Electricity (Supply) (Amendment) Acts, 1932 and 1934	2,834,881 12 3	—	—	—	2,834,881 12 3
For advances to the Shannon Power Development Fund applicable, as determined under section 15 of the Electricity (Supply) Act, 1927, to the Shannon Works handed over ...	5,953,571 5 8	—	—	—	5,953,571 5 8
	£11,604,162 8 3	£470,276 11 7	£44,906 18 4	£515,183 9 11	£11,088,978 18 4

No. 8.

Dr. **BALANCE SHEET AS AT THE 31st MARCH, 1937.** *Cr.*

LIABILITIES.	£ s. d.	ASSETS.	£ s. d.
To Receipts, as per Capital Account ...	11,088,978 18 4	By Capital Assets, as per Capital Account	12,151,147 12 9
,, Sundry Creditors	328,751 18 0	,, Stocks on Hand or in Transit ...	391,324 14 11
,, Working Capital Loan of an acquired undertaking	16,800 0 0	,, Cost Value of Installations Work and Sales for which credit has not been taken	50,797 16 7
,, Sinking Funds for loan-stocks of acquired undertakings—		,, Sundry Debtors, after providing for bad and doubtful debts	375,209 9 9
Balance of amount provided by undertakings £ 4,554 17 0		,, Cash in Hand or with Banks ...	114,888 14 2
Balance of amount provided in accordance with section 39 (6) of the Electricity (Supply) Act, 1927 ... ... 15,855 18 11		,, Sinking Funds (held by local authorities) for loan-stocks— £ s. d.	
	20,410 15 11	Investments (at cost) 19,368 11 7	
,, Amounts reserved in respect of capital loans repaid, capital receipts non-repayable and sale of assets, together with additional amounts reserved for depreciation and retirement of assets, less assets retired ...	988,671 3 10	Cash not invested ... 1,042 4 4	
,, Capital Assets Adjustment Reserve ...	181,027 18 4		20,410 15 11
,, Reserves: Amount provided by acquired undertakings ... £ 78,820 7 10			
Other reserves and provisions 400,318 1 10			
	479,138 9 8		
	£13,103,779 4 1		£13,103,779 4 1

R. F. BROWNE, *Chairman.*
PATK. J. DEMPSEY, *Secretary.*

F. WECKLER, *Chief Accountant.*

AUDITORS' REPORT.

As Auditors appointed by the Minister for Industry and Commerce, with the consent of the Minister for Finance, we have examined the foregoing Accounts and Balance Sheet. We certify, subject to the undermentioned qualifications, that the Balance Sheet as at the 31st March, 1937, exhibits a true and correct view of the state of the Board's affairs according to the best of our information and the explanations given to us, and as shown by the books of the Board.

A re-classification and re-valuation of the capital assets, referred to as physical assets in the Capital Account, have been made by the Board's Officials.

Depreciation has been provided in respect of the year ended 31st March, 1937, on these assets, with the exception of that portion acquired from Local Authorities, on the basis of the valuation referred to, and at a rate, approved by the Board, governed by the remaining life of the assets as estimated by the Board's Officials.

Depreciation on that portion of these assets acquired from Local Authorities has been treated as having been provided for in the amounts charged in respect of the replacement of loans and loan-stocks of the undertakings acquired, the Board's Officials having ascertained that the remaining life of such portion of the assets is not less than the unexpired period of the loans and loan-stocks.

We were not able to ascertain whether title deeds for all its properties are held by the Board.

Overhead expenses are charged in the foregoing accounts in accordance with estimated allocations made by the Board's Officials and approved by the Board:

(*a*) The Revenue Account has been relieved of a proportion of overhead expenses which has been charged to the Installations Trading Account, the Merchandise Trading Account, the Shannon Fisheries Trading Account, and to capital expenditure on new works.

(*b*) The Profit and Loss Account has been relieved of a proportion of the interest chargeable which has been transferred to the Installations Trading Account, the Merchandise Trading Account, the Shannon Fisheries Trading Account, and to capital expenditure on new works.

(*c*) Credit has been given to the Merchandise Trading Account for a sum representing a proportion of the expenses regarded as relating to the sales of electricity, and this amount has been charged to Revenue Account.

KENNEDY, CROWLEY & CO.,
Auditors.

4 AND 5 WESTMORELAND STREET,
DUBLIN, *7th July*, 1937.

Alex. Thom & Co., Ltd