FOURTEENTH ANNUAL REPORT

OF THE

ELECTRICITY SUPPLY BOARD

(Including Report on Shannon Fisheries.)

DUBLIN

1940-41

FOURTEENTH

ANNUAL REPORT

OF THE

ELECTRICITY SUPPLY BOARD

Year ended 31st March, 1941.

(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, 1941.

(Including Report on the Shannon Fisheries.)

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REPORT

OF THE

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, 1941.

The balance carried down in the Profit and Loss Account amounts to £10,757 as compared with £54,231 in the previous year. In arriving at this figure provision has been made for interest on capital, depreciation, repayment of advances to the Minister for Finance, and repayment of capital in respect of local authority liabilities.

The following are the summarised figures of income and expenditure for the year ended 31st March, 1941, and 31st March, 1940, respectively :—

	Year ended 31st March, 1941	Year ended 31st March, 1940.
	£	£
Gross Revenue	2,082,522	1,958,491
Working Expenditure (including depreciation)	1,276,540	1,152,044
Balance carried to Profit and Loss Account	805,982	806,447
Interest, repayment of advances, and discharge of capital liabilities acquired with local authority undertakings	795,225	752,216
Balance ...	£10,757	£54,231

The increase in sales of electricity for all purposes except traction was substantial, the units sold being 32,018,442 in excess of the sales in the preceding year. Sales for traction fell by 5,339,290 units. The net increase in sales thus amounted to 26,679,152 units as compared with 23,292,950 units in the preceding year. The revenue from sales increased by £125,578 as compared with an increase of £45,747 in the preceding year.

The increase in the price of coal accounts for the greater part of the increase in working expenditure as compared with the preceding year. Otherwise, the only item of a special nature was the non-recoverable expenditure in connection with air raid precautions.

The depreciation accrued during the year in respect of assets which are subject to wear and tear amounted to £272,000, and has been charged in the Revenue Account as in previous years. Including this amount the total sum available at 31st March, 1941, towards the replacement of wasting capital assets was £2,734,353 10s. 1d. All plant and equipment have been maintained in a proper state of repair.

The Profit and Loss Account has been debited with the instalments of advances repayable in the year to the Minister for Finance amounting to £62,369 15s. 9d., and the repayment of capital liabilities assumed from Local Authorities amounting to £14,644 4s. 9d. The total of the latter liabilities which had been repaid at the 31st March, 1941, was £592,511 17s. 6d., leaving a balance of £163,509 6s. 9d. which in the main matures for repayment over the next few years.

The net surplus of the year of £17,369 7s. 0d. has been transferred to Contingencies Reserve.

The gross amount of capital investment in additional plant placed in commission during the year was £503,050, as compared with £1,099,362, in the preceding year. The following is an analysis of this expenditure :—

	£
Generation	72,580
Transmission	197,366
Distribution	193,365
Equipment, Transport, etc.	39,739
	£503,050

The aggregate capital expenditure at 31st March, 1941, was £16,490,580.

With the steady growth in the consumption of electricity each year, a substantial portion of the demand, particularly between the months of April and October, must now be supplied by the Pigeon House Station. The Board has, therefore, been very concerned with the growing difficulties in securing deliveries of coal, even of inferior quality, and at the end of the year decided to appeal to consumers to exercise the utmost economy in the use of electricity. Every opportunity is being availed of to acquaint consumers clearly with the reasons for this appeal, and to point out that if economies are not effected, a curtailment of supply may become inevitable.

Faced with steeply rising prices for coal and materials, the Board contemplates that for the year ending 31st March, 1942, difficulty will be experienced, on the basis of existing prices for electricity, in covering fully interest on capital, depreciation, and repayment of advances. A further factor which may intrude is that of serious loss of revenue through curtailment of supply. If the situation becomes aggravated it will be necessary for the Board to review the tariffs for electricity.

Pending the introduction of legislation to authorise the establishment of a Staff Superannuation Scheme, no provision has been made in respect of contributions to a Superannuation Fund.

SALE OF ELECTRICITY AND NUMBER OF CONSUMERS.

The number of units generated and sold, the average price per unit, the revenue and the number of consumers for each of the twelve years ending on 31st March, 1941, are shown in 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	138,503,130	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
1938 ..	314,477,200	244,460,235	1,724,873	1·31	1·69	145,230
1939 ...	377,637,400	295,258,706	1,900,563	1·21	1·54	160,382
1940 ...	406,998,700	318,551,656	1,946,310	1·15	1·47	172,545
1941 ...	435,864,400	345,230,808	2,071,888	1·14	1·44	183,747

Appendix I gives details of the number of consumers in each area this year as compared with the previous year, and certain other particulars relating to supply. The total number of new consumers connected was 11,202.

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 in these classes.

Class of Supply	Units Sold		Increase or Decrease	Percentage Increase or Decrease
	Year ending 31st March, 1941	Year Ending 31st March, 1940		
Domestic	112,550,020	97,395,688	15,154,332	15·6
General Lighting	30,042,363	29,073,279	969,084	3·3
General Heating, Cooking and Water Heating	34,687,835	31,434,050	3,253,785	10·3
Motive Power	138,895,475	129,099,806	9,795,669	7·6
Public Lighting	15,043,968	12,697,132	2,346,836	18·5
Traction	7,141,525	12,480,815	(—)5,339,290	(—)42·8
Miscellaneous	6,869,622	6,370,886	498,736	7·8
Totals ...	345,230,808	318,551,656	26,679,152	8·4

DOMESTIC DEVELOPMENT.

The rate of progress experienced in the sale of electricity for domestic purposes in previous years was well maintained throughout the year. The following table indicates the measure of the increase in sales.

Year ended on 31st March	Units sold to domestic consumers	Increase over previous year in units sold
1934 ...	29,563,000	—
1935 ...	35,627,000	6,064,000
1936 ..	47,107,000	11,480,000
1937 ...	56,622,000	12,515,000
1938 ...	71,923,000	12,301,000
1939 ...	84,376,000	12,453,000
1940 ...	97,396,000	13,020,000
1941 ...	112,550,000	15,154,000

GENERAL LIGHTING.

The consumption of electricity for general lighting purposes showed an increase of 3·3 per cent. on that for the previous year, even though lighting hours were restricted by the prolongation of "summer time."

GENERAL HEATING, COOKING AND WATER HEATING.

Electricity sold for heating, cooking and water heating to consumers other than domestic consumers, such as public institutions, hotels, restaurants, schools, etc., is included under this heading. Consumption for general heating showed an increase of 10%, for general cooking 7%, and for water heating 18% on the consumption for the previous year. The following table shows the progress in units sold under these headings.

Year ended on 31st March	Units sold for general heating cooking and water heating	Increase over previous year in units sold
1934 ...	12,814,000	—
1935 ...	15,587,000	2,773,000
1936 ...	19,535,000	3,948,000
1937 ...	21,472,000	1,937,000
1938 ...	23,923,000	2,451,000
1939 ...	27,472,000	3,549,000
1940 ...	31,434,000	3,962,000
1941 ...	34,688,000	3,254,000

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 129,194 H.P., being an increase of 13,461 H.P. on the previous year.

Units sold for industrial motive power purposes showed an increase of approximately 10 million units on the previous year's sales of 129 million units. The following table sets out an analysis of units sold and shows the progress in industrial motive power.

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
1938	33,653,000	14,737,000	32,128,000	80,518,000
1939	35,486,000	14,741,000	65,075,000	115,302,000
1940	38,344,000	15,473,000	75,283,000	129,100,000
1941	39,215,000	15,459,000	84,221,000	138,895,000

PUBLIC LIGHTING.

The consumption of electricity for public lighting purposes reached the figure of 15,043,968 units, the highest recorded annual figure to date.

TRACTION.

With the continuation in the change-over in Dublin of the electric tramway system to oil-driven buses, the consumption of electricity for traction purposes showed a further decrease of 42·8% over the year.

SALES OF APPLIANCES.

During the year there was a marked increase in the sales of electrical appliances. This increase is reflected in the sales returns amounting to £94,693 10s. 3d., as compared with a figure of £87,436 12s. 9d. for the previous year. The rate of gross profit on sales was 18·1 per cent. Having been charged with overhead expenses and interest on working capital, the Merchandise Trading Account showed a net profit of £7,050 14s. 3d. The cost value of transactions for which credit has not yet been taken amounted in the present year to £43,255, as against a figure of £38,181 for the previous year.

CONSUMERS' INSTALLATION DEPARTMENT.

The credit taken for contracts completed and invoiced for work carried out by the Department amounted to £68,512 11s. 5d., as compared with a figure of £64,623 9s. 4d. for the previous year. The rate of gross profit was 22%. Having debited to the Installations Trading Account overhead expenses and interest on working capital, there was a net profit of £1,150 10s. 0d.

GENERATION.

The statistics of generation in both the main and local stations, and the load development on the main system, are shown in the following table, together with the corresponding values for the preceding year.

	UNITS GENERATED.			Load Development (Main Stations)	
Year ended on 31st March	Main Stations	Local Stations	Total of all Stations	Maximum Daily Output in KWH.	Maximum Load in K.W.
1941	Ardnacrusha ... 257,823,800 Pigeon House ... 174,823,900 Cork ... 2,711,300				
	Total ... 435,359,000	505,400	435,864,400	1,802,700	116,500
1940	Ardnacrusha ... 210,248,900 Pigeon House ... 195,359,000 Cork ... 952,700				
	Total ... 406,560,600	438,100	406,998,700	1,738,000	118,700
	Increase during year ended 31st March 1941 ...	—	28,865,700	64,700	(—)2,200

The total number of units generated (435,864,400) represents an increase of 7·1 per cent. on the output of the previous year. The average yearly load was 49·8 M.W. The yearly load factor, on the basis of units generated, was 42·7 per cent. compared with 39·0 per cent. last year. The marked improvement in the load factor was due to the continuation of " summer time " through the winter.

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

(i) Duration of load curve for the main system ... ... Appendix II.
(ii) Distribution at high tension of units generated ... ... Appendix III.
(iii) Monthly output of all stations ... ... Appendix IV.
(iv) Typical daily load curve for each quarter ... ... Appendix V.
(v) Capacity of the Board's main generating stations ... Appendix VI.
(vi) Weekly summary of operating conditions ... ... Appendix VIII.

EXTENSION OF PLANT AND NEW WORKS.

Shannon Works :

Work was continued on the re-arrangement of the 10 kV., 38 kV. and 110 kV. circuits. The new 38 kV. circuit for the line to Limerick, and the additional 110 kV. circuit for the line to Carrick-on-Shannon were completed.

Pigeon House Works :

During the year automatic fire extinguishing equipment for the protection of switchgear, transformers and cables was installed. Automatic chlorination plant was fitted to all condensers. A new motor generator set was provided for battery charging and for emergency excitation of the generators. Hydraulic couplings between driving motors and all forced draught and induced draught fans were fitted.

The coal store was extended to provide a total accommodation for 100,000 tons.

LIFFEY HYDRO-ELECTRIC DEVELOPMENT.

Work on the erection of the Poulaphouca Dam and the intake to the tunnel was completed. The water level in the reservoir which had been raised to 592 ft. O.D. cannot be brought to the ultimate high-water storage level of 615 ft. O.D. until the road works now in progress in the reservoir area are finished.

The mass concrete lining to the tunnel between the reservoir and the Poulaphouca power station was completed, as well as portion of the grouting. Some sections of the tunnel have still to be gunited. Substantial progress was made towards the completion of the 65 ft. diameter surge tank, the valve house and the 12 ft. diameter penstocks.

The main power station at Poulaphouca, including the foundations, walls and roof, was completed as far as possible pending the erection of the generating plant. The draught tube liner, runner skirt and spiral casing of the No. 1 turbine were installed, and the inclined 70-ton elevator and 100-ton crane were erected.

The work on the erection of the dam and intake at Golden Falls was completed, except for the mechanical equipment. The foundations and steel framework of the power station were also completed, and the walls are in course of construction.

In the reservoir area, the construction of the last of the three new road bridges, namely, that at Humphreystown was completed. Work on the clearing of old buildings, trees and fences was finished as well as the erection of the new permanent fencing around the reservoir site. A contract has been placed, and work is in progress on the various minor road works in the reservoir area. Good progress has been made in agreement on, and payment of, compensation to the owners of property flooded by the new reservoir.

The number of men employed throughout the year has varied from 300 to 380.

UTILISATION OF PEAT FUEL.

Under the Electricity (Supply) (Amendment) Act, 1941, which was passed recently, the Board has been empowered to construct and operate a peat-fired generating station. The site for the station has been acquired, but the difficulty of obtaining the necessary power plant may delay the execution of the project for some time.

OTHER WATER POWER RESOURCES.

Work was actively continued during the year on the examination of a possible hydro-electric development on the River Erne. A preliminary project for the development of the river has been prepared. This project is now being worked out in detail with a view to arriving at the most favourable and economic type of development. In the meantime work is being continued on the taking of the necessary flow observations and such additional surveys on the site as are necessary from time to time.

The necessary survey work is being carried out for the utilisation of the fall on the Liffey at Leixlip. Now that the Poulaphouca reservoir has been completed, the Leixlip hydro-electric development is a natural complement to the Poulaphouca development.

Some further work was completed on the examination of the potentialities of various rivers in the country for hydro-electric development.

TRANSMISSION AND DISTRIBUTION SYSTEMS.

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

	Miles.
(1) Low tension overhead mains	61·20
(2) Low tension overhead mains (reconstructed or strengthened)	34·28
(3) Low tension underground mains	10·38
(4) 5 kV. underground cables	0·55
(5) 10 kV. underground cables	3·72
(6) 38 kV. underground cables	0·12
(7) 10 kV. overhead transmission lines	74·2
(8) 38 kV. overhead transmission lines	2·6

The temporary 110 kV. station at Carrick-on-Shannon was commissioned and the 110 kV. line from Ardnacrusha to Carrick-on-Shannon was placed in commission at 110 kV.

Work, which is nearing completion, is proceeding on the Drogheda 110/38/10 kV. station. The 110 kV. line from Inchicore to Drogheda is still operated at 38 kV.

The installation of automatic fire extinguishing equipment for the transformers and switchgear at the Fleet Street station was completed.

The additional transformer stations which have been placed in commission and the increase in transformer capacity are shown in Appendix VII. Although an increase of 76-10 kV. substations is shown, actually 85 new stations were placed in commission and 9 were withdrawn from service. Also, three new 5 kV. stations were placed in commission and three were withdrawn from service.

The new 38 kV. station commissioned is situated in the Greater Dublin area at Grange, Baldoyle.

The Greystones 38 kV. station was reconstructed.

38 kV. line boosters were installed at Tralee and Enniscorthy, and a 10 kV. automatic voltage regulator was installed in conjunction with 38/10 kV. transformers at Cootehill 38 kV. station.

The work in hand includes the erection of the 38/10/5 kV. station at Pembroke, the erection of new 38/10 kV. stations at Mount Merrion (Dublin) and Caherdavin (Limerick) and the reconstruction or extension of the existing 38/10 kV. stations at Milltown (Dublin), Clara, Mullingar, Dunmanway, Killarney and Longford.

WATER STORAGE AND SHANNON RIVER CONTROL.

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

(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 1940 was 163·5 cbm/sec. or 84 per cent. of the mean of 194·4 cbm/sec. over a long period of years. The average inflow over the four months, June to September inclusive, was much below the normal. The average inflow over the three months June, July and August, was actually the lowest on record. The average flow during each of the past nine years, with the exception of the year 1938, has been below the mean flow. The water used for power generation amounted to 79·2 per cent. of the total inflow for the calendar year 1940.

The important hydrometric figures for the year ended 31st March, 1941, are as follows :

Total average rainfall in Shannon catchment	...	36·4 inches.
Average inflow to Shannon catchment ...	...	155·2 cbm/sec.
Average water used at Ardnacrusha ...	...	132·0 cbm/sec.
Average water used per unit generated ...	...	16·1 cbm.
Maximum level reached in Lough Derg ...	...	33·6 mtrs. O.D.
Minimum level reached in Lough Derg ...	...	32·9 mtrs. O.D.
Average available head at Power Station ...	...	28·3 metres.
Maximum available head at Power Station ...	...	30·1 metres.
Minimum available head at Power Station ...	...	25·0 metres.

PERMITTED UNDERTAKINGS.

At the 31st March, 1941, there were 84 permitted undertakings holding permits from the Board as compared with a figure of 85 at the end of the previous year. During the year one Permit was not renewed owing to cessation of supply. Particulars of all permitted undertakings, except where the number of consumers is 3 or under are contained in Appendix X.

STAFF.

The numerical strength of the Board's regular staff at the 31st March, 1941, was 2,361.

The Board once more desires to take this opportunity of expressing its appreciation of the willing and competent manner in which the members of its staff have performed their duties.

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

PATRICK J. DEMPSEY, Secretary.
1st July, 1941.

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 the 31st March, 1941.

The Sales in the Trading Account included, for the first time, a small income from the salmon fisheries. The total sales of fish, including eels, amounted to £4,959 11s. 11d., as compared with £3,416 14s. 3d. in the preceding year.

The Trading Account shows a debit balance of £3,148 15s. 9d., as compared with a debit balance of £2,780 9s. 6d. in the previous year. Having charged interest on the capital invested in the Fisheries, the deficiency amounted to £10,752 4s. 1d.

The expenditure again contains a grant of £2,600 to the Limerick Board of Conservators for the protection of the River Shannon and its tributaries. Apart from protection, steps have been taken to allow two-thirds of the salmon to ascend the River for propagation purposes and to ensure, in the course of time, an adequate stock of fish.

It is the view of the Board that the stage of initial development is now being passed, and a steady increase in the income from the sales of fish may be expected.

During the year twelve claims for compensation under the Shannon Fisheries Act, 1938, were finally dealt with, leaving eight claims to be settled.

SALMON FISHERIES.

The construction of the salmon-catching weir in the vicinity of Limerick had progressed sufficiently far in June, 1940, to permit a limited amount of fishing to be carried

on during the grilse run. In all, approximately 3,400 grilse were taken, but great numbers were observed passing through the free gap, which was in operation during this period. The weir was put into full operation with the free gap closed, with the consent of the Department of Agriculture, Fisheries Branch, on the 9th January, 1941, for the purpose of obtaining statistical information on the run of fish ascending the River. As the fishing season does not open until the 1st February, all the fish were passed up-stream through the weir during the month of January. The ministerial order authorising the closing of the free gap, stipulated that only one-third of the total run of fish be retained, two-thirds being passed up-stream through the weir for propagation purposes during the months of February and March. The run was poor for the months of January, February and March, 1941. This would appear to have been general in Ireland, England and Scotland, as a very small number of packets was offered for sale on Billingsgate Market during this period. The revenue derived from the operation of the weir was almost exclusively for the take of fish for six weeks during the months of May, June and July, 1940, the total amount being £1,295.

Intensive work was carried out on the spawning beds in the Castleconnell area with a view to ensuring that the beds were covered at the minimum water flow of ten cubic metres per second. Some of the spawning beds which had been silted up for a number of years were dug up and cleaned. The stock of fish observed on the redds during the spawning period was very considerable.

EEL FISHERIES.

The eel fisheries in Athlone, Castleconnell and Killaloe were operated by the Board and resulted in a take of sixteen tons of eels. This was approximately ten tons less than the previous year's catch, and the decrease was primarily owing to the abnormally dry weather conditions, which put the Castleconnell weir practically out of operation. The total revenue from sales was £3,424 as compared with £3,330 in the previous year. The increase in revenue for a smaller catch resulted from the high prices obtained for eels in Billingsgate. There was a very poor run of eel fry during this year, few being observed to ascend the River.

OYSTER FISHERIES.

The erection of an oyster purification plant was proceeded with, and the installation had been completed before the end of the year, with the exception of the pumps for pumping water to the purifying tanks. The delivery of the pumps was unavoidably delayed.

In April, 1940, 550,000 oysters were planted on the beds in the lower estuary, 500,000 of these being three years old, and 50,000 two years old. The latter were planted by way of experiment. All the oysters were imported from Brittany, France. A survey of the beds was carried out in August, and it was found that the oysters planted in previous years on most of the beds were progressing very favourably, and showed a good growth. The mortality rate in the three years old oysters planted in April was found to be very small.

The majority of these oysters were planted on the Querrin bed, and showed an extraordinary growth. The two years old oysters, however, did not appear to have survived the journey from Brittany very well, and the mortality rate was discovered to be in the region of about 60 per cent.

No attempt was made to market the oysters except in small quantities on the home market.

SALMON (ROD) FISHERIES.

The lettings for rod fishing in Castleconnell were restricted by the scarcity of visiting anglers, a revenue of only £125 being derived from the lettings. There is, however, a distinct revival of interest in the rod fisheries.

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

PATRICK J. DEMPSEY, Secretary,

1st July, 1941.

LIST OF APPENDICES.

Appendix.

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

II.—Duration of load, main Shannon system.

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

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

V.—Typical daily load curves.

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

VII.—Transmission and distribution systems in commission.

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

X.—Particulars of authorised and permitted undertakings providing supply at 31st March, 1941.

XI.—Units generated from 1st April, 1928, to 31st March, 1941.

DUBLIN No. 1 DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Dublin–Rathmines–Pembroke	475,594	72,624	69,974	30,528	29,764
Terenure–Kimmage ...		2,742	2,673		
Crumlin		6,430	5,846		
Rathfarnham		822	776		
Templeogue		170	159	Nil	Nil
Firhouse		28	28	Nil	Nil
Woodtown		1	1	284	284
TOTALS ...	475,594	82,817	79,457	30,812	30,048

CORK No. 1 DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Cork City	99,011	13,070	11,870	17,664	17,312
TOTALS ...	99,011	13,070	11,870	17,664	17,312

ATHLONE DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Ahascragh	269	42	42	14	14
Athleague	208	15	15	Nil	Nil
Athlone	7,257	1,298	1,056	1,709	1,697
Ballinagar	—	4	3	Nil	Nil
Ballinasloe	5,834	414	309	417	373
Ballygar	335	64	59	7	4
Ballymahon	643	90	84	52	23
Banagher	720	92	86	69	69
Birr	—	1	1	54	54
Borrisokane	551	112	104	5	5
Clara	1,590	265	244	352	352
Cloghan	188	23	21	8	8
Daingean (or Philipstown)	518	47	43	14	14
Edgeworthstown (or Mostrim)	515	74	69	28	28
Eyrecourt	323	30	29	Nil	Nil
Ferbane	301	74	71	2	2
Granard	1,236	129	127	17	17
Kilbeggan	593	87	78	10	10
Kilcormac (or Frankford)	448	48	44	Nil	Nil
Longford	3,807	521	489	83	81
Lorrha	98	16	15	Nil	Nil
Moate	1,326	122	110	2	2
Mullingar	5,237	722	673	513	450
Newtownforbes	369	35	32	35	35
Portumna	—	1	1	325	325
Roscommon	2,040	315	284	49	60
Tullamore	5,135	793	738	1,746	1,714
TOTALS ...	39,541	5,434	4,827	5,511	5,337

DUBLIN No. 2 DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Baldoyle	765	153	147	12	12
Howth and Sutton ...	4,832	1,051	1,020	101	116
Raheny	—	222	189	10	10
Coolock	349	51	48	2	2
Artane	996	55	49	Nil	Nil
Santry	116	71	72	24	24
Finglas	1,383	238	223	104	104
Chapelizod	—	282	260	74	65
Knockmaroon	—	9	9	Nil	Nil
Lucan	867	275	253	52	47
Ballydowd	—	20	20	Nil	Nil
Palmerstown	208	31	31	56	56
Bluebell	399	52	35	Nil	Nil
The Ranch	—	108	97	15	15
Blackrock and Monkstown	54,129	2,618	2,471	504	308
Cabinteely		64	62	18	18
Carrickmines		79	78	6	1
Dalkey		702	664	91	91
Dundrum—Sandyford ...		1,726	1,547	72	61
Dun Laoghaire		3,103	2,984	576	559
Foxrock		312	305	37	37
Killiney—Ballybrack ...		346	313	38	33
Kill-o'-the-Grange ...		93	82	43	43
Stillorgan		191	212	147	157
Shankill—Loughlinstown ...	2,332	302	287	5	1
Bray	10,347	1,898	1,824	1,238	1,183
Greystones	1,535	531	506	12	12
Ashford	—	34	31	30	Nil
Balbriggan	2,434	310	273	181	163
Balgriffin	—	30	12	20	Nil
Ballymore Eustace ...	338	74	68	825	910
Blanchardstown	417	99	88	27	27
Blessington	289	91	75	21	19
Castleknock	1,789	126	117	48	46
Celbridge ...	627	101	97	71	81

DUBLIN No. 2 DISTRICT—*continued.*

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Clane	145	26	26	Nil	Nil
Clondalkin	967	182	154	2,054	1,522
Clonee	112	17	15	4	4
Clonsilla—Porterstown ...	819	84	77	15	2
Delgany—Killincarrig ...	1,060	164	132	8	8
Donabate	186	119	63	5	Nil
Dunboyne	290	37	26	15	15
Kilcock	475	62	60	24	23
Kill and Johnstown ...	95	34	28	Nil	Nil
Kilmacanogue	—	25	24	Nil	Nil
Kiltiernan—Scalp ...	713	65	Nil	Nil	Nil
Leixlip	571	134	104	80	80
Lusk	305	55	51	4	4
Malahide	1,259	283	264	6	6
Maynooth	632	103	91	86	86
Naas	3,290	434	386	246	133
Newtownmountkennedy ...	208	105	43	30	30
Portmarnock	516	109	98	10	10
Poulaphouca	—	2	2	995	995
Rathcoole	223	54	52	6	6
Rathdrum	504	142	136	244	244
Rathnew	547	75	72	7	7
Rush	1,651	257	230	16	16
Saggart	116	34	29	913	913
Sallins and Clongowes ...	276	28	29	199	199
Skerries	2,134	426	337	62	62
Stepaside	102	16	14	Nil	Nil
Swords	838	199	169	171	171
Tallaght	406	82	80	143	143
Wicklow	3,183	405	360	305	126
TOTALS ...	105,775	19,206	17,701	10,108	9,006

CORK No. 2 DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Ballinacurra	403	63	59	172	172
Ballineen	272	49	48	10	10
Bandon	3,500	524	504	474	427
Bantry	2,643	388	353	100	100
Bishopstown	97	27	27	82	82
Blarney	723	108	107	74	74
Buttevant	881	153	145	61	61
Carrigaline	315	65	61	15	15
Carrigtwohill	402	30	Nil	Nil	Nil
Castlelyons	113	4	3	100	100
Castlemartyr	346	47	42	5	5
Castletownroche	443	39	38	12	12
Clonakilty	2,961	399	372	495	487
Cloyne	684	72	71	48	48
Cobh	6,272	744	661	70	70
Courtmacsherry	221	32	28	Nil	Nil
Crookstown	—	11	Nil	Nil	Nil
Crosshaven	724	124	121	60	60
Doneraile	740	126	104	31	31
Drinagh	—	13	13	359	359
Drommahane	96	13	13	Nil	Nil
Dunmanway	1,561	216	209	146	146
Enniskeane	162	30	26	2	2
Fermoy	4,123	408	369	381	381
Glandore	124	10	8	Nil	Nil
Glanmire	213	42	28	Nil	Nil
Glanworth	261	37	37	Nil	Nil
Haulbowline	—	9	8	2,493	500
Innishannon	182	15	11	Nil	Nil
Kilnap	272	27	14	119	119
Kinsale	2,661	293	285	121	111
Leap	157	20	18	Nil	Nil
Macroom	2,382	374	351	41	41
Mallow	4,948	683	589	190	188
Midleton	2,711	311	286	202	202
Mitchelstown	1,902	388	372	206	199
Mount Desart	—	1	1	Nil	Nil
Passage West	2,648	149	119	14	14
Monkstown		92	86	Nil	Nil
Rochestown	—	1	1	6	6
Skibbereen	2,541	381	368	104	103
Timoleague	248	27	24	Nil	Nil
Upper Aghada	155	16	15	Nil	Nil
Whitegate	286	49	44	Nil	Nil
Youghal	5,131	374	331	184	184
TOTALS ...	54,504	6,984	6,370	6,377	4,309

DUNDALK DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
An Uaimh (Navan) ...	4,123	660	602	325	318
Ardee	2,383	230	219	169	157
Arvagh	525	66	68	11	11
Athboy	520	110	108	22	22
Bailieborough	854	142	137	126	108
Ballybay	1,034	187	178	30	15
Ballyjamesduff	434	85	84	18	8
Belturbet	1,341	142	137	107	106
Bettystown—Laytown ...	143	57	50	44	44
Blackrock (Louth) ...	695	94	89	26	26
Carrickmacross	2,095	316	298	167	161
Castleblayney	1,725	264	252	89	86
Cavan	3,393	419	395	220	216
Ceanannus Mór (Kells) ...	2,304	320	302	211	207
Clones	2,235	334	315	52	52
Cootehill	1,593	185	180	183	108
Dowdstown	—	2	2	54	40
Drogheda	14,494	1,578	1,455	2,229	2,168
Dundalk	16,214	2,462	2,307	2,865	2,799
Kilcairne	—	1	1	88	48
Killeshandra	473	73	71	204	204
Kingscourt	631	72	69	Nil	Nil
Monaghan	4,780	383	338	409	407
Mornington	115	11	11	Nil	Nil
Newtown	—	1	1	10,325	5,711
Oldcastle	586	137	123	16	12
Randalstown	—	1	1	Nil	Nil
Roughgrange	—	1	1	120	120
Shercock	228	40	38	15	15
Trim	1,455	169	157	42	33
Virginia	418	73	66	2	2
TOTALS ...	64,791	8,615	8,055	18,169	13,204

GALWAY DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Athenry	1,048	188	172	61	58
Ballyhaunis	1,160	227	216	42	35
Castlebar	4,826	622	576	397	387
Claremorris	1,132	318	313	239	239
Galway	18,294	2,639	2,521	1,578	1,386
Gort	1,034	170	160	103	103
Loughrea	2,891	277	271	135	126
Newport (Mayo) ...	353	66	59	10	10
Oranmore	184	14	Nil	Nil	Nil
Tuam	4,181	602	538	148	141
Westport	3,409	515	490	357	351
TOTALS ...	38,512	5,638	5,316	3,070	2,836

LIMERICK DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Adare	497	86	85	100	100
Annacotty	—	17	18	90	90
Ardagh	119	18	14	91	91
Ardnacrusha and Clonlara	249	66	63	338	338
Askeaton	581	92	88	42	42
Ballingarry (Co. Limerick)	339	35	32	72	72
Ballylanders	193	29	29	Nil	Nil
Birdhill	—	11	11	15	15
Bruff	349	68	67	13	13
Bruree	250	39	39	69	69
Bulgaden	—	2	1	Nil	Nij
Cahir	1,638	251	244	213	201
Cappamore	558	55	54	108	108
Cappawhite	426	45	46	3	3
Cashel	3,028	308	294	166	158
Castleconnell	219	37	37	Nil	Nil
Castlemungret	—	1	1	2,670	2,670
Castletroy	—	23	22	16	16
Castlemahon	72	12	12	91	91
Clarecastle	549	65	52	Nil	Nil
Cloncagh	—	1	1	74	74
Croom	791	80	73	16	12
Doon	478	51	51	9	9
Elton	—	9	Nil	100	Nil
Ennis	5,897	903	841	459	413
Ennistymon	1,264	208	171	159	149
Galbally	195	25	24	20	15
Garryspillane	—	3	1	57	57
Hospital	609	83	78	36	36
Herbertstown	85	13	3	136	136
Kilfinane	818	117	112	54	26
Kilkee	1,863	240	224	8	8
Kilkishen	108	14	14	Nil	Nil
Killaloe and Ballina (Tipp.)	1,066	169	162	88	88
Kilmallock	861	201	159	245	229
Kilrush	3,426	385	339	142	43
Knocklong	—	21	17	246	246
Lahinch	327	57	50	1	Nil
Lattin	—	1	Nil	93	Nil
Limerick City	43,663	7,148	6,828	7,342	5,952
Limerick Junction ...	206	37	33	35	35
Lisdoonvarna	193	90	80	21	21
Martinstown	—	1	1	Nil	Nil
Miltown-Malbay	809	128	117	6	6
Murroe	—	1	Nil	40	Nil
Nenagh	4,902	610	574	816	799
Newcastle West	2,943	315	308	183	128
New Inn	117	8	8	96	96
Newmarket-on-Fergus ...	368	59	54	18	17
Newport (Tipp.) ...	494	75	70	122	122
Rathkeale	1,565	185	182	106	98
Rathluirc (Charleville) ...	1,625	289	283	261	260
Rineanna and Ballygireen	—	9	7	275	107
Solohead	—	9	9	49	49
Spanish Point	—	2	1	Nil	Nil
Tipperary	5,384	525	495	389	284
Tulla	474	84	79	6	6
TOTALS ...	89,598	13,416	12,658	15,805	13,598

PORTLAOIGHISE DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Abbeyleix	664	137	131	36	36
Athy	3,628	425	399	496	487
Ballinakill	338	30	27	Nil	Nil
Baltinglass	659	119	99	10	4
Ballybrophy	—	1	1	7	7
Ballymany—Loughbrown ...	—	38	31	34	27
Ballyragget	449	66	51	20	20
Ballyroan	127	8	6	Nil	Nil
Borris-in-Ossory	216	34	30	1	Nil
Borrisoleigh	544	72	72	34	34
Brownstown	118	42	32	5	5
Callan	1,516	177	165	103	99
Carlow	7,649	733	675	606	576
Castlecomer	809	156	126	1,188	1,191
Castledermot	276	70	69	77	77
Clogh	167	7	7	Nil	Nil
Curragh Camp	—	1	1	258	258
Droichead Nua (Newbridge)	2,375	433	387	920	420
Durrow	462	76	73	6	6
Edenderry	2,093	273	247	247	227
Freshford	456	79	76	70	50
Johnstown (Co. Kilkenny)	307	45	42	2	Nil
Kilcullen	441	99	52	11	11
Kildare	1,758	304	265	155	161
Kilkenny	10,237	1,080	1,018	670	583
Leighlinbridge	425	48	45	107	107
Monasterevan	580	81	81	110	102
Mountmellick	2,314	267	215	78	56
Mountrath	1,116	146	137	15	15
Muine Bheag (Bagenalstown)	1,897	205	181	145	145
Portarlington and Clonsast	1,851	327	291	970	972
Portlaoighise	3,396	571	542	705	702
Rathangan	431	45	40	44	22
Rathdowney	825	122	117	9	9
Roscrea	3,060	455	425	573	497
Stradbally	762	112	103	23	20
Talbot's Inch	108	30	28	13	13
Templemore	1,981	211	187	101	101
The Swan	—	6	4	462	442
Thurles	5,648	720	681	263	243
Tullow	1,616	239	166	52	87
Urlingford	528	46	38	7	7
TOTALS ...	61,827	8,136	7,363	8,633	7,819

SLIGO DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Arigna	—	8	Nil	259	Nil
Ballaghaderreen	1,122	251	237	72	60
Ballina	5,728	933	886	347	325
Ballymote	738	154	149	86	48
Boyle	—	1	1	36	36
Carrick-on-Shannon ...	1,015	264	248	77	62
Castlerea	1,313	239	227	110	88
Charlestown and Bellahy ...	773	126	121	11	11
Crockestown (Ballina Quay)	171	11	11	Nil	Nil
Crossmolina	660	98	97	44	44
Curry	—	14	14	Nil	Nil
Elphin	548	90	78	2	2
Foxford	805	113	109	244	241
Gurteen	—	30	28	Nil	Nil
Inniscrone	399	82	78	Nil	Nil
Kiltimagh	1,090	164	161	33	21
Letterkenny	2,649	358	322	81	71
Mohill	714	128	120	8	8
Sligo	12,565	1,654	1,443	575	554
Strokestown	628	130	128	13	13
Swinford	1,203	226	220	62	62
Tubbercurry	823	141	134	30	28
TOTALS ...	32,944	5,215	4,812	2,090	1,674

TRALEE DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Abbeyfeale	1,122	185	174	48	48
Ballylongford	514	52	51	89	89
Boherbue	242	47	44	99	30
Castleisland	1,325	231	215	178	165
Castlemaine	104	19	17	138	128
Dromtariffe	—	2	2	44	44
Edenburn	—	1	1	18	18
Glin	516	40	38	68	68
Kanturk	1,555	268	259	211	204
Killarney	5,609	655	624	224	185
Killorglin	775	174	163	73	73
Listowel	3,098	474	448	461	461
Millstreet	975	184	179	120	70
Miltown	311	58	60	16	16
Newmarket	838	146	143	35	35
Newtownsandes	230	34	30	Nil	Nil
Tarbert	315	28	23	Nil	Nil
Tralee	10,620	1,768	1,635	1,253	1,217
TOTALS ...	28,149	4,366	4,106	3,075	2,851

WATERFORD DISTRICT.

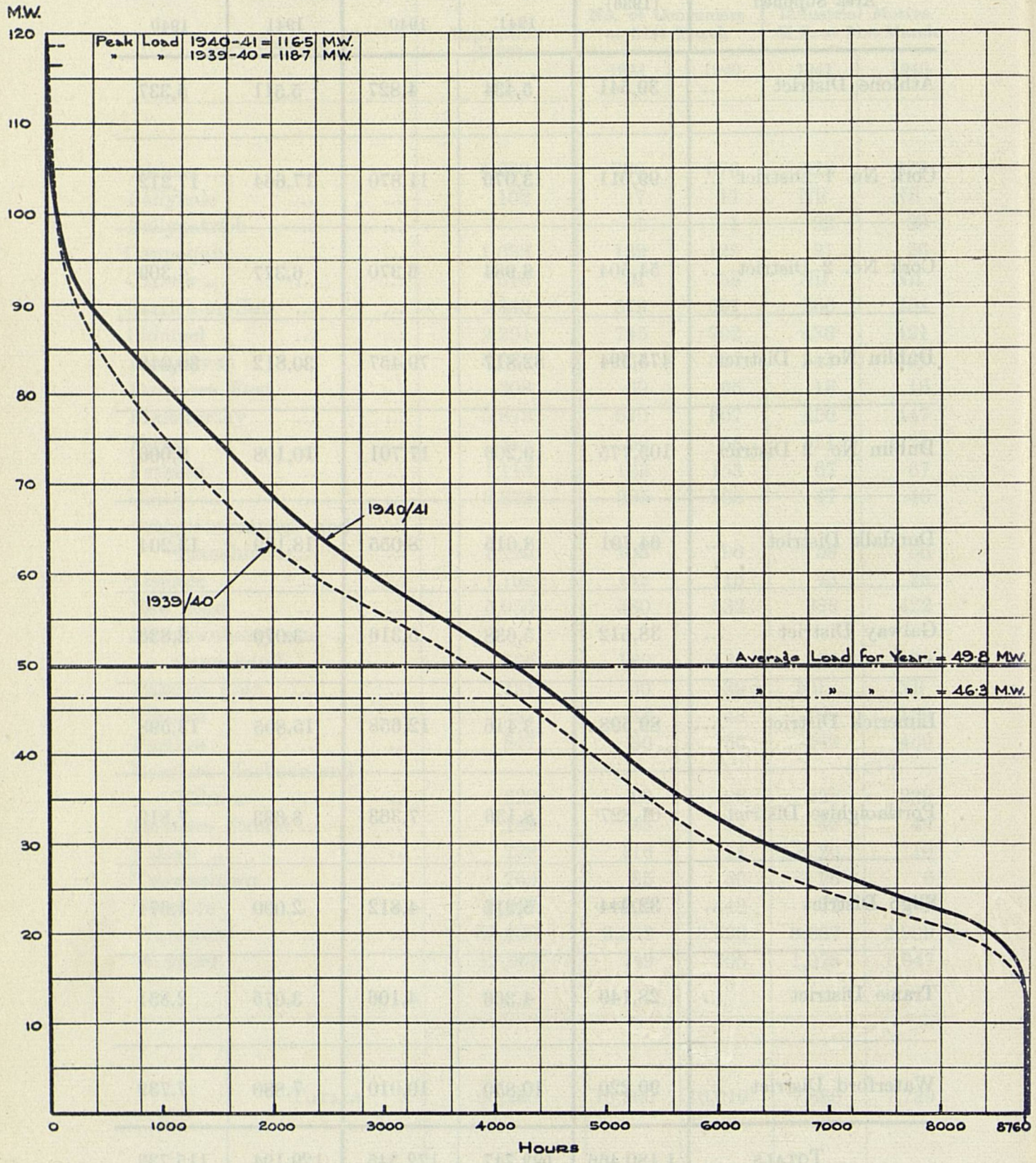
Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Aklow	4,680	730	676	322	323
Ballyhale	102	17	17	Nil	Nil
Ballypatrick	—	1	1	33	33
Cappoquin	1,038	139	135	27	26
Carnew	516	51	53	Nil	Nil
Carrick-on-Suir	4,840	579	531	260	254
Clonmel	9,391	745	702	433	421
Dungarvan	5,361	664	627	541	521
Dunmore East	308	69	65	16	16
Enniscorthy	5,873	670	607	450	447
Ferns	342	66	58	21	21
Fethard	1,112	163	153	67	67
Gorey	2,323	305	285	47	46
Graiguenamanagh and Tinnahinch	1,125	103	96	58	50
Lismore	1,194	142	115	43	23
New Ross	5,056	580	532	388	422
Newtownbarry and Carrickduff	766	139	134	39	39
Passage East	431	50	39	Nil	Nil
Piltown	287	46	43	139	139
Portlaw	847	89	56	469	469
Rosslare Harbour and Kilrane	629	98	98	239	239
Rosslare Strand	189	53	47	49	49
Tallow	779	116	111	26	10
Thomastown	769	85	80	26	6
Tramore	2,047	509	448	72	72
Waterford	27,968	3,892	3,596	3,037	2,999
Wexford	12,247	749	705	1,078	1,047
TOTALS ...	90,220	10,850	10,010	7,880	7,739

SUMMARY.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1941	1940	1941	1940
Athlone District ...	39,541	5,434	4,827	5,511	5,337
Cork No. 1 District ...	99,011	13,070	11,870	17,664	17,312
Cork No. 2 District ...	54,504	6,984	6,370	6,377	4,309
Dublin No. 1 District	475,594	82,817	79,457	30,812	30,048
Dublin No. 2 District	105,775	19,206	17,701	10,108	9,006
Dundalk District ...	64,791	8,615	8,055	18,169	13,204
Galway District ...	38,512	5,638	5,316	3,070	2,836
Limerick District ...	89,598	13,416	12,658	15,805	13,598
Portlaoighise District	61,827	8,136	7,363	8,633	7,819
Sligo District ...	32,944	5,215	4,812	2,090	1,674
Tralee District ...	28,149	4,366	4,106	3,075	2,851
Waterford District ...	90,220	10,850	10,010	7,880	7,739
TOTALS ...	1,180,466	183,747	172,545	129,194	115,733

DURATION OF LOAD—MAIN SYSTEM GENERATION.

YEAR ENDING 31ST MARCH, 1941.



Distribution at High Tension of Units Generated

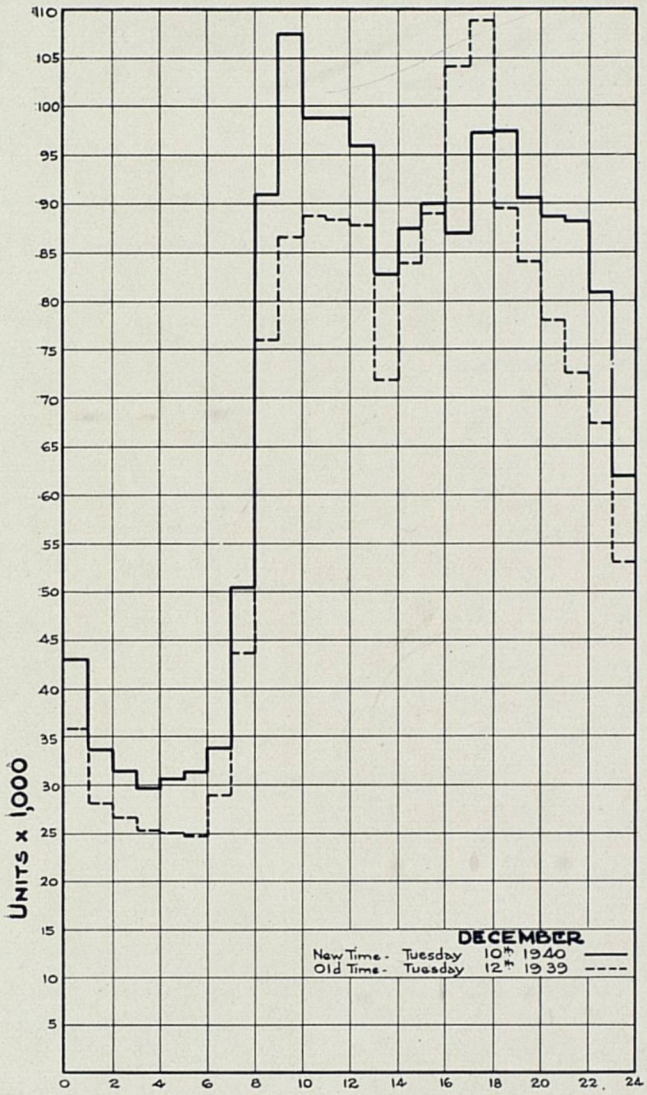
Year ending 31st March, 1941.

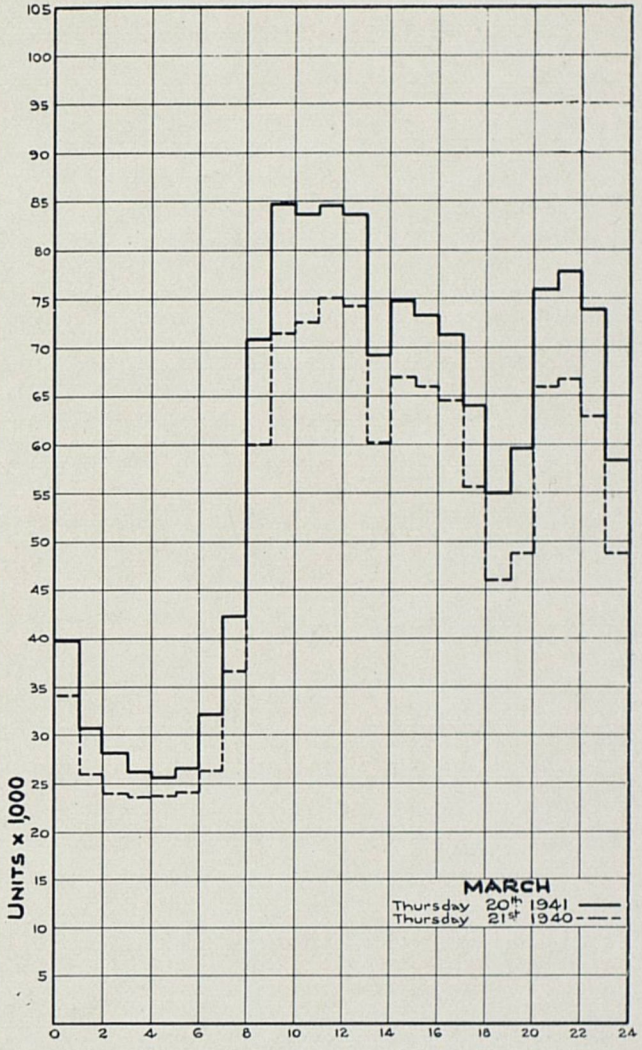
District			High Tension Units	Percentage of Total
Dublin City 5 kV. Supply	106,697,200			
Dublin City 10 kV. Supply	30,906,000			
DUBLIN CITY TOTAL			137,603,200	31·6
Dublin United Tramways Co. (1896), Ltd.			7,141,500	1·6
Cork City D.C. Supply	11,376,100			
Cork City A.C. Supply	18,528,700			
CORK CITY TOTAL			29,904,800	6·9
Athlone District			13,209,100	3·0
Cork No. 2 District			10,598,500	2·4
Dublin No. 2 District			46,816,900	10·7
Dundalk District			39,077,600	9·0
Galway District			9,240,400	2·1
Limerick District			31,878,500	7·3
Portlaoighise District			18,648,200	4·3
Sligo District			6,486,200	1·5
Tralee District			6,247,400	1·4
Waterford District			17,986,200	4·1
Station Auxiliaries			19,079,700	4·4
High Tension Losses			41,946,200	9·7
TOTAL GENERATION—ALL STATIONS ...			435,864,400	100·0

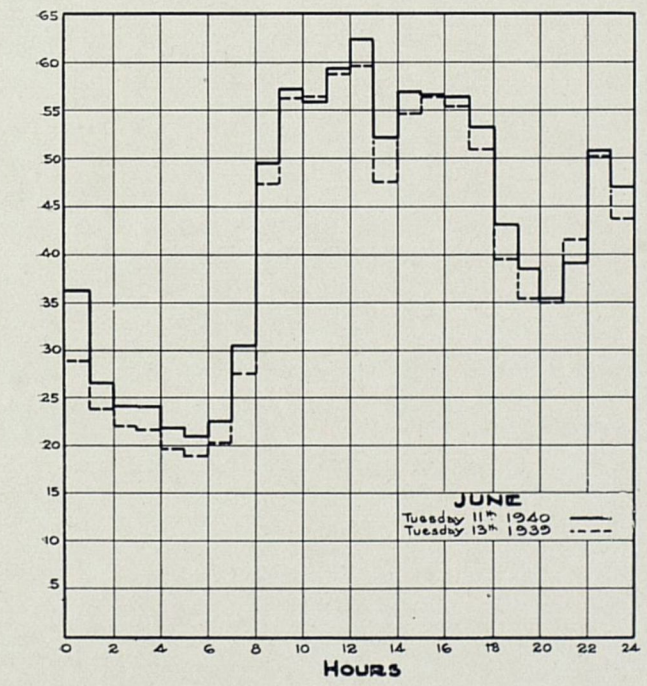
Monthly Output (kWH) of the Board's Generating Stations—Year ending 31st March, 1941.

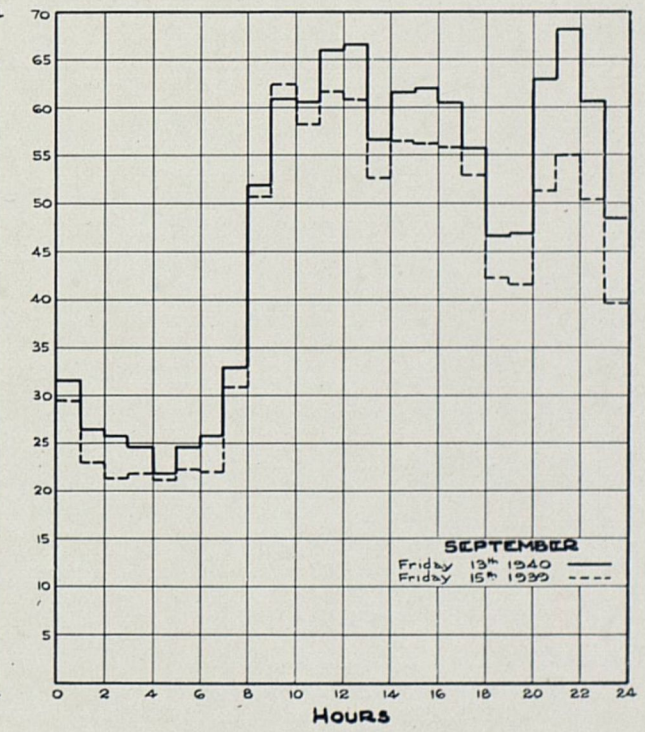
Month (Calendar)	Ardnacrusha	Pigeon House (Dublin)	Cork	Letterkenny	Acquired Stations	Total of all Stations
April	30,381,700	1,865,500	—	31,500	2,000	32,280,700
May	14,745,200	14,682,100	40,500	30,200	1,500	29,499,500
June	5,955,700	20,362,100	192.400	28,500	1,000	26,539,700
July	3,362,300	25,294,300	600,000	30,100	1,000	29,287,700
August	2,639,300	25,298,400	454,200	30,800	1,000	28,423,700
September ...	4,805,800	26,277,900	625,700	34,900	1,000	31,745,300
October ...	19,100,500	19,073,700	590,600	42,800	1,500	38,809,100
November ...	36,475,300	5,769,800	19,300	48,300	1,500	42,314,200
December ...	40,945,200	5,887,500	—	57,700	1,500	46,891,900
January ...	31,375,300	16,446,000	148,000	59,800	1,500	48,030,600
February ...	36,027,400	4,861,000	27,100	47,700	1,500	40,964,700
March	32,010,100	9,005,600	13,500	46,600	1,500	41,077,300
TOTALS ...	257,823,800	174,823,900	2,711,300	488,900	16,500	435,864,400

TYPICAL DAILY LOAD CURVES.









To face page 34.

Capacity of the Board's Main Generating Stations at the 31st March, 1941.

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 3 Step-up Transformers (10/38 kV) with a total capacity of 24,000 kVA.
PIGEON HOUSE ...	Steam	(*a*) Normal steam capacity—Approximately 1,000,000 lbs. per hour. (*b*) Generator capacity—118,000 kVA. (*c*) 5 Transformers (5/38 kV) of 110,000 kVA total capacity.
CORK	Steam	(*a*) Steam capacity equivalent to 5,000 kW. approximately. (*b*) Generator capacity equivalent to 6,500 kW. (D.C.).

Transmission and Distribution Systems in Commission and under Construction at the 31st March, 1941.

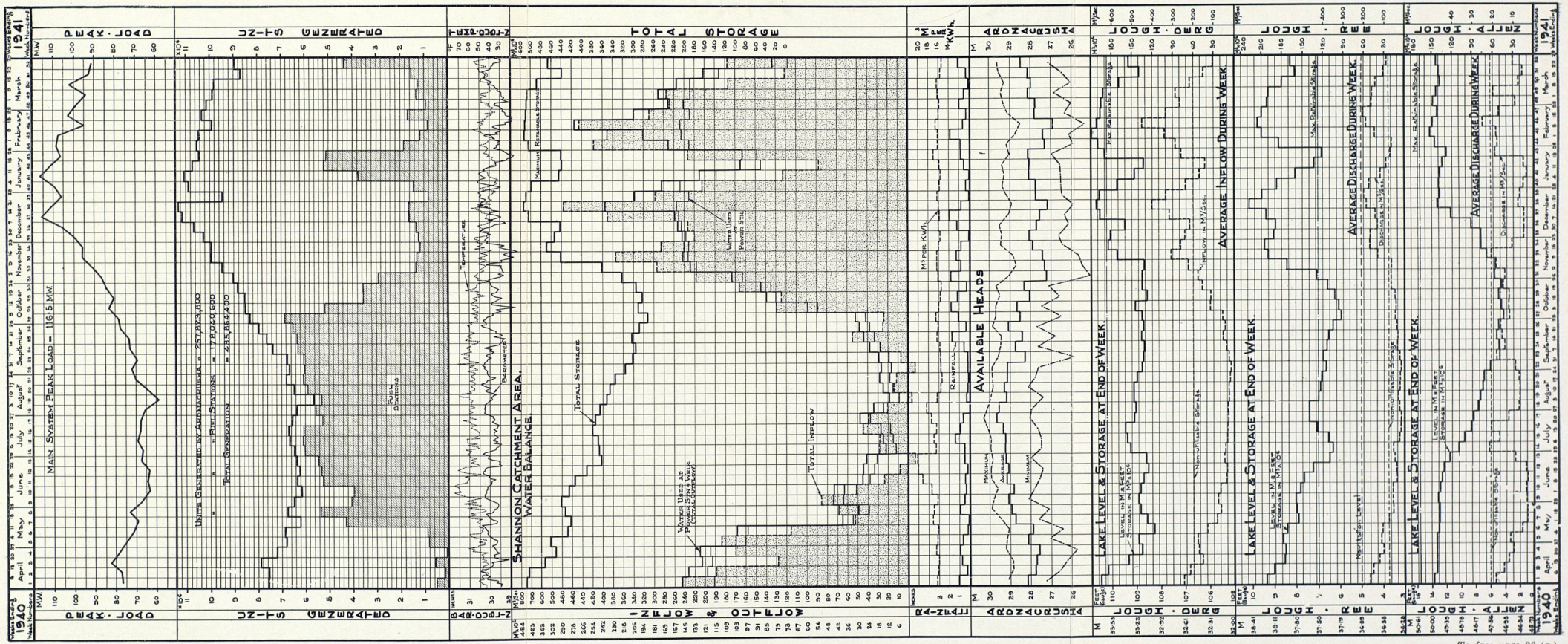
Transformer Stations	Number in Commission	Increase for year	Total Capacity	Increase in capacity for year
110 kV Stations ...	5	1	110/38 kV. Stations=147,000 kVA 110/10 kV. Stations= 22,500 kVA	15,000 kVA —
38 kV Stations ...	91	1	212,480 kVA.	7,990 kVA
10 kV Sub-stations	1,148	76	152,670 kVA.	7,175 kVA
5 kV Sub-stations	104	—	79,018 kVA.	3,620 kVA
D.C. Sub-stations	6	—	9,260 kW.	—
Frequency-Changing Sub-station ...	1	—	6,320 kVA.	—

Transmission and Distribution Systems	Length	Increase for Year	Description
110 kV Lines ...	186·2 Kms.	—	6×95 sq. mm. Double Circuit.
110 kV Lines ...	593·4 Kms.	—	3×95 sq. mm. Single Circuit.
38 kV Lines ...	1,826·0 Kms.	1·0 Kms.	3×50 sq. mm.
38 kV Lines ...	328·2 Kms.	3·2 Kms.	3×35 sq. mm.
10 kV Lines ...	3,026·3 Kms.	118·9 Kms.	10, 16, 25, 35, 50 and 70 sq. mm.
38 kV Cables ...	59·7 Kms.	—	3×185 sq. m.m.
38 kV Cables ...	28·6 Kms.	—	3×150 sq. mm.
38 kV Cables ...	9·4 Kms.	0·2 Kms.	3× 95 sq. mm., including 1 Km. of Submarine Cable.
10 kV Cables ...	258·15 Kms.	5·95 Kms.	3 × 10 sq. mm. to 3 × 185 sq. mm.
5 kV Cables ...	258·48 Kms.	0·88 Kms.	Ditto.
3·3 kV Cables ...	3·7 Kms.	—	3×185 sq. mm.

MAIN SHANNON SYSTEM.

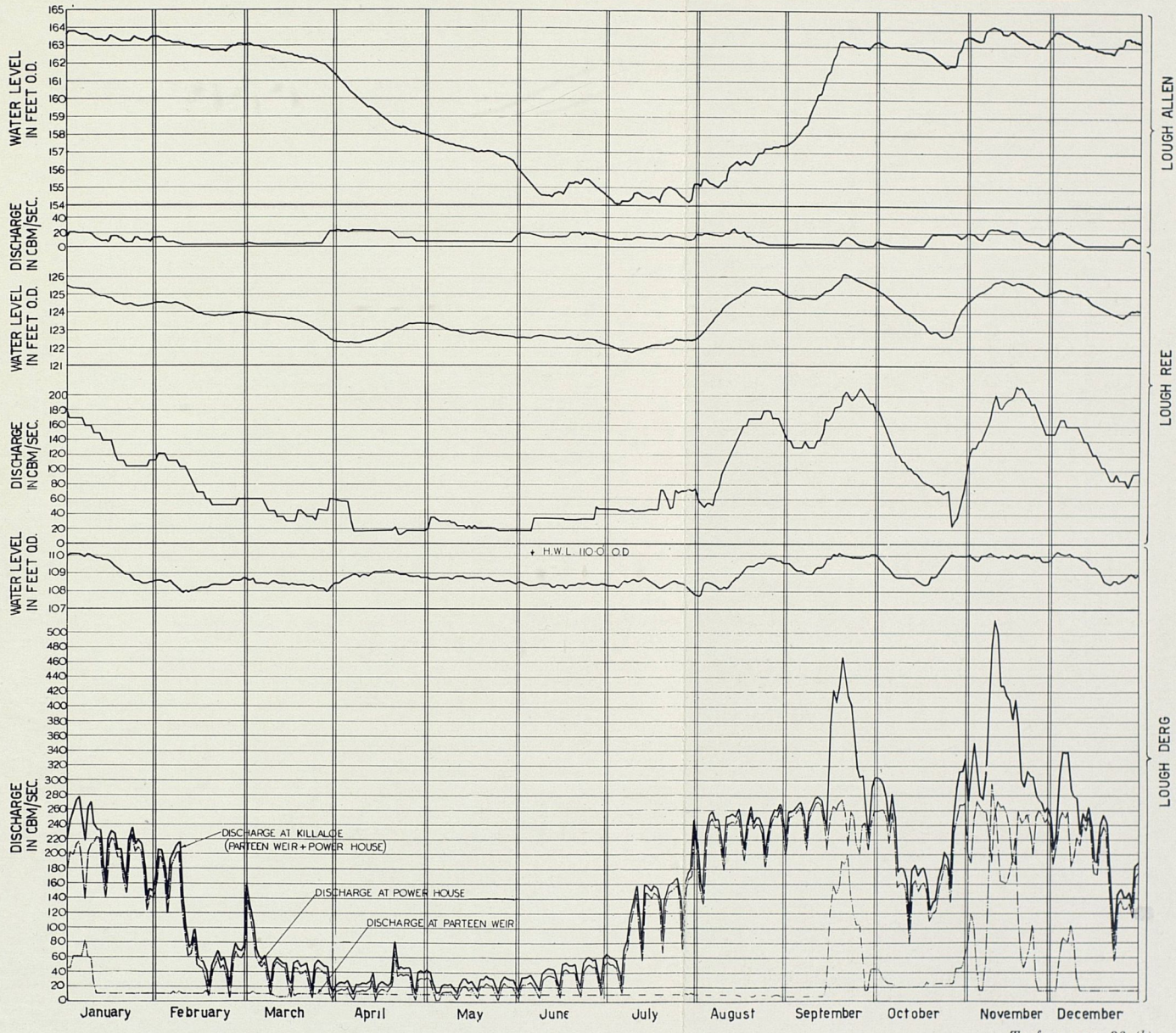
WEEKLY SUMMARY OF OPERATING CONDITIONS.

YEAR ENDING 31ST MARCH, 1941.



To face page 36 (a).

WATER LEVELS & DISCHARGES OF LOUGHS ALLEN REE & DERG FOR YEAR ENDING 31ST MARCH 1941



To face page 36 (b).

Particulars of Electricity Undertakings which at 31st March, 1941, had not been acquired by the Electricity Supply Board.

NOTE.—In 9 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 1941
				Lighting	Heating and Cooking	Power	
Ardara	442	The Ardara Woollen & Industrial Co., Ltd ...	86	10d.	3d.	—	10,232
Ardfinnan	325	Mulcahy, Redmond & Co., Ltd.	9	1/6	—	—	1,559
Balla	282	John McEllin	50	1/–	—	6d.	7,359 estd
Ballinlough	248	Ballinlough Electricity Supply Co. ...	38	1/–	6d.	—	2,900
Ballinamore	814	F. J. McAvinia	123	1/–	—	—	21,300 estd
Ballindine	209	E. W. Griffith	25	8d. & 10d.	—	—	1,910
Ballinrobe	1,351	The Ballinrobe Electric & Woollen Co., Ltd.	223	10d.	4d.	—	61,612
Ballybofey and Stranorlar	1,198	Ballybofey & Stranorlar Electric Supply Co.	158	1/–	6d.	6d.	19,538
Ballybunion	543	The Ballybunion Electricity Supply Co., Ltd.	204	10d. & 1/–	4d. & 6d.	4d. & 6d.	25,691
Ballyconnell	276	William Stewart	80	10d.	—	—	8,070
Ballyshannon	2,223	John Myles & Co.	721	6d. & 8d.	1d. & 2d.	1d. & 2d.	222,549
Ballysodare	205	W. G. & T. Pollexfen	43	6d./7d.	2½d.	2½d.	9,581
Belmullet	684	M. McEntyre	81	1/–	—	6d.	8,747
Birr	3,297	The Birr E. L. & Power Co., Ltd. ...	474	8d.	2½d. to 4d.	2½d. to 4d.	108,547
Blacklion	110	Capt. W. J. Nixon	25	1/– & 1/3d.	—	—	1,904
Boyle	2,093	George Stewart	82	7d.	1d. to 3d.	2d.	28,272

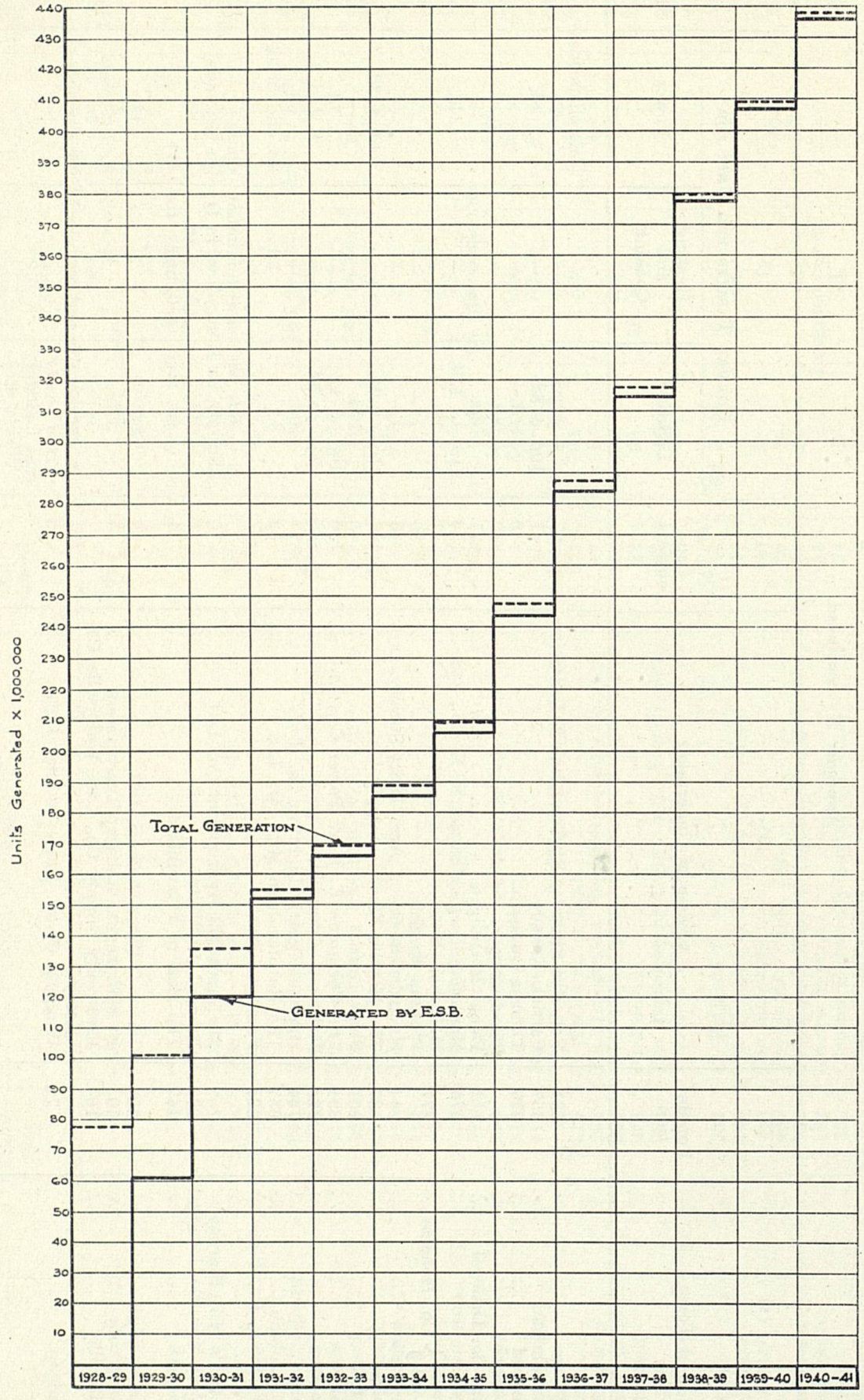
(1) Town	(2) Population	(3) Name of Undertaker	(4) No. of Consumers	(5) Normal Tariffs per Unit for			(6) Units Sold, Year ended 31st March, 1941
				Lighting	Heating and Cooking	Power	
Boyle	—	John Stewart	360	New Housing Scheme Charges: 40 watts. 6d. per week; 65 ,, 9d. ,, ; 100 ,, 1/- ,,			149,042
				4d. to 7d. Fixed charge plus 1d.	1d. to 4d. ½d. water heating	2d. to 3d.	
Borris, Co. Carlow ...	530	Borris Electricity Co., Ltd.	56	6d. & 1/-	—	4d. & 6d.	9,755
Buncrana	2,295	The Buncrana Electric Supply Co. ...	353	5d. to 8d.	3d.	2½d. to 1½d.	327,276
Bundoran	1,352	John Myles & Co.	570	6d.	1d.—2d.	1½d. to 2d.	146,892
Castlebellingham ...	243	Smallwares, Ltd.	10	4d.	1¼d. to 1¾d.	1¼d. to 1¾d.	14,066
Cahirciveen	1,680	The Cahirciveen E. L. & Power Co., Ltd.	262	10d.	6½d.	6½d.	35,532
Campile	117	John Kenny	4	1/6	—	—	394
Carlingford	488	The Carlingford Electricity Co., Ltd. ...	60	10d. to 3d.	10d. to 3d.	5d.	9,715
Carndonagh	660	James Kelly	161	10d.	4d.	4d.	17,736
Carrigallen	245	John McLoughlin	4	1/4	—	—	900
Carrigart	115	Miss M. Maguire	13	1/-	—	—	770
Castlepollard	460	The Irish Electrical Construction Co. ...	88	11d. & 1/-	5d. & 6d.	—	17,861
Clifden	1,019	Clifden E. L. & Power Station	135	10d.	3d.	—	13,000
Clogheen	479	John Browne	83	10d. & 11d.	6d. Miscellaneous	—	11,696
Clonmany	123	Patrick Gallen	31	10d.	—	5d.	2,150
Collooney	310	W. A. G. Middleton	65	7½d.	1½d.	Nil	25,821
Cloughjordan	416	Martin Gleeson	83	1/-	6d.	3d.	17,800
Dingle	1,800	The Dingle E. L. & Power Co.	192	8d. & 10d.	5d.	5d. & 4d.	31,924
Donegal	1,315	J. McGowan & Sons	215	10d.	3d.	3d.	46,777
Drumkeeran	232	The Drumkeeran Electricity Supply Co., Ltd.	47	1/-	—	4d.	5,601
Drumshambo	553	C. S. Laird, Ltd.	89	8d.	2d.	2d.	19,878
Dromahair	279	Paul Jeiter	32	9d.	3d. & 1½d.	—	12,600 estd.
Dungloe	593	The Templecrone Co-op. Agrl. Society, Ltd.	129	8d.	—	—	5,490
Dunmore Co. Galway ...	482	Dunmore Electric Light Co., Ltd. ...	97	1/-	5d.–6d.	—	11,230
Emyvale	237	C. McCluskey	46	8d. & 4d.	—	—	5,736
Enniskerry	145	The Enniskerry E. S. Co-op. Society ...	44	1/-	4d.	4d.	4,076
Falcarragh	—	Leo McGinley	43	1/-	—	—	3,391
Foynes	497	Foynes Saw Mills, Ltd.	60	8d.	—	4d.	20,020
Frenchpark	196	Frenchpark Electric Lighting Co., Ltd. ...	34	1/-	5d.	5d.	3,597
Glendalough	182	Messrs. Wynne	10	Included in rent.		—	5,000 estd.
Glenties	360	Glenties Electricity Supply Co., Ltd. ...	74	1/-	3d.	—	8,690
Gortahork	2,141	Michael McFadden	4	1/-	—	—	414
Kenmare	921	Kenmare Electric Supply Co.	178	6d. to 10d.	3d.	3d.	33,200
Kilkelly	160	Michael Snee	52	8d.	—	—	9,061 estd.

(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, 1941
				Lighting	Heating and Cooking	Power	
						(miscellaneous)	
Killybegs	631	Rev. Bro. Superior, St. Columba's E. L. Station	97	1/- & 9d.	—	6d.	12,156
Kilmacthomas ...	357	Patrick Kiersey	41	10d. & 8d.	—	3d.	6,896
Kinnegad	270	Thomas Dunne	5	11d.	—	—	1,500 estd.
Letterfrack	—	The Superior, Industrial School	9	8d.	—	—	1,422
Malin, Co. Donegal ...	112	Donal McGilligan	21	10d.	—	—	1,440
Manorhamilton ...	976	Manorhamilton & District E. L. Co., Ltd. ...	150	6½d. to 11d.	—	4d.	32,040
Milford } Co. Donegal ...	377	McMahon Bros.	41	1/-	—	—	4,800
Milford }		William Russell	30	1/-	—	—	1,700
Mountbellew	284	Mountbellew Co-op. Agrl. Dairy Society, Ltd.	46	1/-	—	—	4,493 estd.
Moville	937	The Moville Electric Supply Co.	189	10d. & 9d.	—	4d. & 3d	21,200
Pettigo	251	Shaw Bros.	46	10d.	—	—	4,320
Portumna	894	The Portumna E. L. & Power Co., Ltd. ...	160	10d. & 1/-	—	7d.	22,201
Ramelton	924	Robert J. Campbell	86	7½d. to 9d.	—	4½d.	12,030
Raphoe	754	Raphoe Electric Lighting Co., Ltd. ...	77	10d.	—	6d.	7,899
Rathfarnham	657	The Rathfarnham Mfg. Co., Ltd. ...	33	3d.	3d.	3d. and 2·7d.	37,377
Riverstown, Co. Sligo ...	225	Flanagan Bros.	7	1/2 & 2/-	—	—	300
St. Ann's Hill, Blarney	—	St. Ann's Hill Hydropathic Co., Ltd. ...	10	6d. per (Supply to B	unit minimum ungalows in Hy	charge dro Grounds)	3,428
St. Johnston, Co. Donegal	270	Edward J. White	40	10d.	4d. & 6d.	8d.	4,607
Shillelagh	147	The Earl of Fitzwilliam	4	6d. and	460 units for	£11	1,674
Sixmilebridge	323	James O'Flynn & Sons, Ltd.	23	6½d.	—	1½d.	55,000
Tuamgraney	101	E. McLysaght, Raheen, Tuamgraney ...	4	1/-	—	—	1,260
Waterville	164	Electricity Supply Co., Ltd. Waterville, Co. Kerry	44	1/- 10s. per month	6d. and flat rate of	6d. 6d. per unit	5,153
Windgap	72	Windgap Co-op. Dairy Society, Ltd. ...	9	Fixed yearly rent including Wiring etc.	—	—	1,500
Woodford	184	Mrs. John Roche	30	10d.	4d.	—	17,600 estd.
Various Districts ...	—	Great Northern Railway Co. (Ireland) ...	81	1d. to 10d.	1d. & 1·125d.	1d. to 2½d.	27,476

Total No. of undertakings 75; Total Population 43,835; Total No. of Consumers 7,389; Units sold 1,856,334 approximately.

UNITS GENERATED FROM APRIL 1ST, 1928, TO 31ST MARCH, 1941.

APPENDIX XI.



ACCOUNTS

No. 1. INSTALLATIONS TRADING ACCOUNT FOR

Dr.

	£	s.	d.	£	s.	d.	Year 1939/40
To Cost value of work for which credit had not been taken at 31st March, 1940				22,678	1	8	20,080
,, Cost of installation work carried out during the year ...				54,032	13	9	53,923
,, Gross profit, carried down				15,044	5	9	13,298
				£91,755	1	2	£87,301
To Salaries, wages and state insurance ...	7,662	9	8				
,, Travelling expenses	1,107	3	3				
,, Rents and rates	146	18	10				
,, Sundry expenses	654	6	2				
,, General overhead expenses and interest, as apportioned	4,322	17	10				
				13,893	15	9	12,125
,, Balance, carried to Net Revenue Account				1,150	10	0	1,173
				£15,044	5	9	£13,298

No. 2. MERCHANDISE TRADING ACCOUNT FOR

Dr.

	£	s.	d.	£	s.	d.	Year 1939/40
To Cost value of transactions for which credit had not been taken at 31st March, 1940				38,180	17	6	34,832
,, Cost of goods issued as sales				73,497	19	3	68,774
,, Sundry costs in connection with sales				9,154	16	6	7,055
,, Gross profit, carried down				17,114	12	9	14,957
				£137,948	6	0	£125,618
To Salaries, wages, commission and state insurance	4,680	18	6				
,, Travelling expenses	371	10	4				
,, Rents and rates	361	10	8				
,, Sundry expenses	541	14	5				
,, General overhead expenses and interest, as apportioned	4,820	11	0				
				10,776	4	11	10,645
,, Balance, carried to Net Revenue Account				7,050	14	3	5,423
				£17,826	19	2	£16,068

THE YEAR ENDED 31st MARCH, 1941.

Cr.

	£ s. d.	Year 1939/40 £
By Credit taken for contracts completed and charged ...	68,512 11 5	64,623
,, Cost value of work for which credit has not yet been taken	23,242 9 9	22,678
	£91,755 1 2	£87,301
By Gross Profit, brought down	15,044 5 9	13,298
	£15,044 5 9	£13,298

THE YEAR ENDED 31st MARCH, 1941.

Cr.

	£ s. d.	Year 1939/40 £
By Credit taken for sales	94,693 10 3	87,437
,, Cost value of transactions for which credit has not yet been taken	43,254 15 9	38,181
	£137,948 6 0	£125,618
By Gross profit, brought down	17,114 12 9	14,957
,, Hireage receipts on hire-purchase appliances	712 6 5	1,111
	£17,826 19 2	£16,068

No. 3. ELECTRICITY REVENUE ACCOUNT FOR

Dr.

	£ s. d.	£ s. d.	Year 1939/40 £
To GENERATION :			
Operating expenses	49,751 11 11		
Fuel	245,031 14 4		
Maintenance and repair	39,795 13 4		
Transfer to depreciation reserve ...	70,000 0 0		
Supervision and local administration	21,407 19 8		
		425,986 19 3	346,691
,, TRANSMISSION :			
Operating expenses	13,505 6 9		
Maintenance and repair	28,103 6 8		
Transfer to depreciation reserve ...	69,000 0 0		
Supervision and local administration	19,601 19 0		
		130,210 12 5	116,843
,, DISTRIBUTION :			
Operating expenses	143,246 15 9		
Maintenance and repair	90,502 4 8		
Transfer to depreciation reserve ...	126,000 0 0		
Supervision and local administration	185,943 5 10		
		545,692 6 3	518,476
,, GENERAL ADMINISTRATION :			
Board, Secretariat and Consultants ...	25,530 18 9		
Engineering	34,323 0 7		
Accounting	36,629 7 2		
Audit fee	1,000 0 0		
Sales promotion and publicity ...	32,180 3 1		
General expenses	40,857 14 8		
Transfer to depreciation reserve— general assets	7,000 0 0		
	177,521 4 3		
Less : apportionment charged to other accounts and to capital works ...	10,317 0 0		
		167,204 4 3	162,224
,, Provision for bad debts		5,800 0 0	4,900
,, Depreciation of stocks of material		1,645 15 9	2,910
,, Balance, carried to Profit and Loss Account ...		805,981 13 10	806,447
		£2,082,521 11 9	£1,958,491

THE YEAR ENDED 31st MARCH, 1941.

Cr.

	£	s.	d.	£	s.	d.	Year 1939/40 £
By Charges for electricity, etc. :							
General consumers ...	1,915,330	12	4				
Public lighting	104,116	9	1				
Meter and other rents ...	52,441	8	5				
				2,071,888	9	10	1,946,310
,, Miscellaneous revenue	...			10,633	1	11	12,181
				£2,082,521	11	9	£1,958,491

No. 4.
Dr.

ELECTRICITY PROFIT AND LOSS ACCOUNT

	£ s. d.	£ s. d.	Year 1939/40 £
To Interest payable to the Minister for Finance	645,010 5 2		
,, Interest on loans and loan-stocks of acquired undertakings	13,829 4 3		
,, Other interest	106,576 10 6		
	765,415 19 11		
Less : apportionment charged to other accounts and to capital works ...	43,079 0 0		
		722,336 19 11	683,318
,, Loan-stock management charges		180 10 7	181
,, Gross contributions to loan-stock sinking funds of acquired undertakings		14,492 1 4	13,863
,, Reserves, being the amount of capital repaid or provided for repayment in respect of advances from the Minister for Finance	62,369 15 9		
acquired undertakings	4,083 13 8		
		66,453 9 5	63,110
,, Premium at which loan-stock was redeemed		208 4 6	368
,, Balance, carried down		10,757 3 3	54,231
		£814,428 9 0	£815,071
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	1,589
,, Amount contributed from Revenue towards expenditure on the design of new capital works		—	5,046
,, Balance, carried to Net Revenue Account		9,168 2 9	47,596
		£10,757 3 3	£54,231

No. 4A.
Dr.

ELECTRICITY NET REVENUE ACCOUNT

	£ s. d.	Year 1939/40 £
To Contingencies Reserve	17,369 7 0	54,193
	£17,369 7 0	£54,193
To Amount allocated from Contingencies Reserve towards expenditure on the investigation and the design of further development	£21,937 15 2	

FOR THE YEAR ENDED 31st MARCH, 1941.

Cr.

	£ s. d.	Year 1939/40 £
By Balance transferred from Revenue Account	805,981 13 10	806,447
„ Loan-stock sinking funds' investment income	4,272 7 8	4,306
„ Discount at which loan-stock was redeemed	47 17 8	613
„ Interest receivable	4,126 9 10	3,705
	£814,428 9 0	£815,071
By Balance, brought down	10,757 3 3	54,231
	£10,757 3 3	£54,231

FOR THE YEAR ENDED 31st MARCH, 1941.

Cr.

	£ s. d.	£ s. d.	Year 1939/40 £
By Balance transferred from Profit and Loss Account		9,168 2 9	47,596
„ Installations trading profit	1,150 10 0		
„ Merchandise trading profit	7,050 14 3		
		8,201 4 3	6,597
		£17,369 7 0	£54 193
By Contingencies Reserve		£21,937 15 2	

No. 5. ELECTRICITY CAPITAL ACCOUNT FOR

Dr.

	Total to 31st March, 1940 less— amounts written off	Expenditure during year to 31st March, 1941 less— amounts written off	Total to 31st March, 1941 less— amounts written off
	£ s. d.	£ s. d.	£ s. d.
To GENERATION : physical assets ...	6,187,454 13 10	55,010 8 10	6,242,465 2 8
„ TRANSMISSION : physical assets ...	3,200,012 18 10	157,923 1 5	3,357,936 0 3
„ DISTRIBUTION : (*a*) physical assets ...	3,699,616 12 8	162,439 6 9	3,862,055 19 5
(*b*) other capital expenditure	554,427 8 11	8,370 8 4	562,797 17 3
„ GENERAL : (*a*) physical assets ...	276,730 7 9	37,683 7 6	314,413 15 3
(*b*) other capital expenditure	332,876 12 8	(—) 834 0 9	332,042 11 11
	£14,251,118 14 8	£420,592 12 1	14,671,711 6 9
„ NON-CLASSIFIED EXPENDITURE : New works in progress			1,078,133 10 10
		TOTAL ...	15,749,844 17 7
			£15,749,844 17 7

THE YEAR ENDED 31st MARCH, 1941.

Cr.

	Total Receipts to 31st March, 1940 less— redemptions	Receipts during year to 31st March, 1941 less— redemptions	Total Receipts to 31st March, 1941 less— redemptions
	£ s. d.	£ s. d.	£ s. d.
By Local Authority Undertakings :			
Loans and loan-stocks	170,798 15 4	(—) 8,692 9 10	162,106 5 6
Liability under section 39 (7) of the Electricity (Supply) Act, 1927 :	1,973 6 6	(—) 570 5 3	1,403 1 3
,, Minister for Finance :			
Advances under the Electricity (Supply) Acts, the Liffey Reservoir Act and in respect of advances to the Shannon Power Development Fund as determined under section 15 of the Electricity (Supply) Act, 1927 ...	12,797,545 13 9	287,630 4 3	13,085,175 18 0
Total ...	£12,970,317 15 7	£278,367 9 2	13,248,685 4 9
By Balance			2,501,159 12 10
			£15,749,844 17 7

No. 6
Dr.

ELECTRICITY BALANCE SHEET

LIABILITIES.

	£	s.	d.	31/3/1940 £
To Receipts, as per Capital Account	13,248,685	4	9	12,970,318
„ Sundry Creditors	434,310	13	3	444,524
„ Working Capital Loan of an acquired undertaking...	7,200	0	0	9,600
„ Amount reserved in respect of sinking funds for loan-stocks of acquired undertakings	37,522	10	0	28,208
„ 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	3,083,369	19	0	2,587,468
„ Capital Assets Adjustment Reserve representing surplus arising from re-valuation ...	270,065	4	4	269,525
„ Reserves :	£	s.	d.	
Amount provided by acquired undertakings	77,897	14	4	
Other reserves and provisions	201,040	4	5	
	278,937	18	9	281,995
	£17,360,091	10	1	£16,591,638

AS AT 31st MARCH, 1941.

Cr.

ASSETS.				31/3/1940
		£	s. d.	£
By CAPITAL ASSETS, as per CAPITAL ACCOUNT		15,749,844	17 7	15,207,896
„ STOCKS ON HAND OR IN TRANSIT		728,635	7 1	671,910
„ COST VALUE OF INSTALLATIONS WORK AND SALES FOR WHICH CREDIT HAS NOT BEEN TAKEN		82,366	2 0	80,664
„ SUNDRY DEBTORS, after providing for bad and doubtful debts		467,241	7 8	454,407
„ SHANNON FISHERIES, temporary advances		25,335	5 1	47,060
„ CASH IN HAND OR WITH BANKS		269,146	0 8	101,493
„ SINKING FUNDS (held by local authorities) for loan-stocks :	£ s. d.			
Investments (at cost) ...	30,027 13 2			
Cash not invested ...	7,494 16 10			
		37,522	10 0	28,208
		£17,360,091	10 1	£16,591,638

No. 7.
Dr.

SHANNON FISHERIES TRADING ACCOUNT

	£ s. d.	Year 1939/40 £
To Operation, maintenance and repair of fisheries... ...	7,047 8 11	5,409
,, Fishery rates	272 17 2	370
,, General management and overhead expenses	1,004 11 7	910
	£8,324 17 8	£6,689

No. 8.
Dr.

SHANNON FISHERIES PROFIT AND LOSS ACCOUNT

	£ s. d.	£ s. d.	Year 1939/40 £
To Balance brought from Trading Account		3,148 15 9	2,781
,, Interest:			
Payable to the Minister for Finance	6,253 8 4		
Apportioned in respect of temporary advances from Electricity Funds	1,350 0 0		
		7,603 8 4	5,306
		£10,752 4 1	£8,087
			8,087
To Balance, brought down		10,752 4 1	19,099
,, Balance brought forward from last year's account ...		27,185 14 3	
		£37,937 18 4	£27,186
To Balance, brought down		£37,937 18 4	

FOR THE YEAR ENDED 31st MARCH, 1941.

Cr.

	£ s. d.	Year 1939/40 £
By Sales of fish and letting of fishing rights and miscellaneous receipts	5,176 1 11	3,908
,, Balance, carried to Profit and Loss Account	3,148 15 9	2,781
	£8,324 17 8	£6,689

FOR THE YEAR ENDED 31st MARCH, 1941.

Cr.

	£ s. d.	Year 1939/40 £
By Balance, carried down	10,752 4 1	8,087
	£10,752 4 1	£8,087
By Balance, carried down	37,937 18 4	27,186
	£37,937 18 4	£27,186

No. 9.
Dr.

SHANNON FISHERIES CAPITAL ACCOUNT

	Total to 31st March, 1940	Expenditure during year to 31st March, 1941	Total to 31st March, 1941
	£ s. d.	£ s. d.	£ s. d.
To Fishery rights and fisheries ...	87,704 2 2	2,792 16 1	90,496 18 3
,, Works to preserve fisheries ...	884 16 9	3,932 7 2	4,817 3 11
,, Other capital expenditure ...	39 4 5	55 0 0	94 4 5
	£88,628 3 4	£6,780 3 3	95,408 6 7
,, Non-classified expenditure : New works in progress ...			41,089 1 7
			136,497 8 2
,, Balance			13,502 11 10
			£150,000 0 0

No. 10.
Dr.

SHANNON FISHERIES BALANCE SHEET

LIABILITIES		31/3/40
	£ s. d.	£
To Receipts, as per Capital Acccount	150,000 0 0	100,000
,, Electricity Funds, temporary advances	25,335 5 1	47,060
	£175,335 5 1	£147,060

FOR THE YEAR ENDED 31st MARCH, 1941.

Cr.

	Total Receipts to 31st March, 1940	Receipts during year to 31st March, 1941	Total Receipts to 31st March, 1941
	£ s. d.	£ s. d.	£ s. d.
By Minister for Finance :			
Advances under the Shannon Fisheries Act, 1935	100,000 0 0	50,000 0 0	150,000 0 0
			£150,000 0 0

AS AT 31st MARCH, 1941.

Cr.

ASSETS.			31/3/1940
	£ s. d.		£
By Capital assets, as per Capital Account	136,497 8 2		119,412
,, Stock of material	834 2 8		382
,, Cash in hand and with Bank	65 15 11		80
,, Deficiency, as per Profit and Loss Account	37,937 18 4		27,186
	£175,335 5 1		£147,060

				Total Receipts to 31st March, 1941
				£ s. d.
UNDER ELECTRICITY ACTS.				
Local Authority Undertakings :				
Loans and loan-stocks				740,955 7 5
Liability under section 39 (7) of the Electricity (Supply) Act, 1927				15,065 16 10
Minister for Finance :				
Advances—				
under the Electricity (Supply) Act, 1927—	£	s.	d.	
section 12 (2)	156,000	0	0	
section 12 (3)	1,903,688	6	1	
under the Electricity (Supply) (Amendment) Act, 1931, as extended by the Electricity (Supply) (Amendment) Acts, 1932 and 1934 and the Liffey Reservoir Act, 1936	5,134,881	12	3	
to the Shannon Power Development Fund applicable, as determined under section 15 of the Electricity (Supply) Act, 1927, to the Shannon Works handed over	6,010,080	15	5	13,204,650 13 9
				£13,960,671 18 0
UNDER SHANNON FISHERIES ACTS.				
Minister for Finance :				
Advances—				
under the Shannon Fisheries Act, 1935				150,000 0 0
				£14,110,671 18 0

REDEMPTION THEREOF TO THE 31st MARCH, 1941.

Redeemed			Balance of Capital Receipts Outstanding at 31st March, 1941
Total to 31st March, 1940	During year to 31st March, 1941	Total to 31st March, 1941	
£ s. d.	£ s. d.	£ s. d.	£ s. d.
570,156 12 1	8,692 9 10	578,849 1 11	162,106 5 6
13,092 10 4	570 5 3	13,662 15 7	1,403 1 3
57,105 0 0	62,369 15 9	119,474 15 9	13,085,175 18 0
£640,354 2 5	£71,632 10 10	£711,986 13 3	£13,248,685 4 9
——	——	——	150,000 0 0
£640,354 2 5	£71,632 10 10	£711,986 13 3	£13,398,685 4 9

No. 12. **GENERAL BALANCE SHEET**

Dr.

LIABILITIES.	£	s.	d.	£	s.	d.	31/3/1940 £
To Receipts :							
per Electricity Capital Account	13,248,685	4	9				
per Shannon Fisheries Capital Account	150,000	0	0				
				13,398,685	4	9	13,070,318
,, Sundry Creditors				434,310	13	3	444,524
,, Working Capital Loan of an acquired undertaking				7,200	0	0	9,600
,, Amount reserved in respect of sinking funds for loan-stocks of acquired undertakings				37,522	10	0	28,208
,, 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				3,083,369	19	0	2,587,468
,, Capital Assets Adjustment Reserve representing surplus arising from re-valuation ...				270,065	4	4	269,525
,, Reserves : Amount provided by acquired undertakings...	77,897	14	4				
Other reserves and provisions	201,040	4	5				
				278,937	18	9	281,995
				£17,510,091	10	1	£16,691,638

R. F. BROWNE, *Chairman.*

PATRICK J. DEMPSEY, *Secretary.*

AS AT 31st MARCH, 1941.

Cr.

ASSETS.	£ s. d.	£ s. d.	31/3/1940
By Capital Assets:			£
per Electricity Capital Account	15,749,844 17 7		
per Shannon Fisheries Capital Account	136,497 8 2		
		15,886,342 5 9	15,327,308
,, Stocks on Hand or in Transit		729,469 9 9	672,292
,, Cost Value of Installations Work and Sales for which Credit has not been taken ...		82,366 2 0	80,664
,, Sundry Debtors, after providing for bad and doubtful debts		467,241 7 8	454,407
,, Cash in Hand or with Banks		269,211 16 7	101,573
,, Sinking Funds (held by local authorities) for loan-stocks	£ s. d.		
Investments (at cost) ...	30,027 13 2		
Cash not invested ...	7,494 16 10		
		37,522 10 0	28,208
,, Deficiency, as per Shannon Fisheries Profit and Loss Account		37,937 18 4	27,186
		£17,510,091 10 1	£16,691,638

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, 1941, 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.

Depreciation has been charged in the Revenue Account in respect of the year ended 31st March, 1941, on the Capital Assets referred to as physical assets in the Capital Account, including those acquired from Local Authorities, on the basis of a re-classification and re-valuation made by the Board's Officials and at rates approved by the Board governed by the life of the Assets as estimated by the Board's Officials. Depreciation of the physical assets acquired from Local Authorities has been treated, up to the 31st March, 1937, as having been provided for in the amounts charged in respect of the replacement of loans and loan-stocks of the undertakings acquired.

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

(*a*) The Revenue Account has been relieved of a proportion of supervision and administration 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 Profit and Loss 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.

(Signed) KENNEDY, CROWLEY & CO.,
Auditors.

4 AND 5 WESTMORELAND STREET,
DUBLIN, 1st *July*, 1941.

Alex. Thom & Co., Ltd