TWENTY-FIRST
ANNUAL REPORT
OF THE
ELECTRICITY
SUPPLY BOARD
DUBLIN
FOR THE YEAR ENDED
MARCH 31st
1948

INCLUDING REPORT ON SHANNON FISHERIES

[P. No. 8880]

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

[P. No. 8880]

ELECTRICITY SUPPLY BOARD

Report and Accounts

YEAR ENDED 31st MARCH, 1948.
(Including Report on the Shannon Fisheries.)

CONTENTS

REPORT—	Page
Finance and Accounts	5
Sale of Electricity and Number of Consumers	7
Analysis of Units Sold	7
Restrictions on Electricity Supply	8
Undertakings Acquired	8
Sales of Appliances	8
Consumers' Installation Department	8
Generation	8
Generating Stations	9
Main Transmission System	11
Transmission and Distribution Systems	12
Rural Electrification	12
Water Storage and River Control	14
Water Power Resources and Hydrometric Survey ...	15
Permitted Undertakings	15
Superannuation Schemes	16
Tribunal to Determine Disputes	16
Staff	16
Board Membership	16
SHANNON FISHERIES	17
APPENDICES	20
ACCOUNTS	54

REPORT

OF THE

ELECTRICITY SUPPLY BOARD

27, LOWER FITZWILLIAM 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, 1948.

The total output of electricity for the year was 618 million units showing an increase of 48 million units on the preceding year. Because of the extremely favourable water conditions it was possible to secure the additional output wholly from the Shannon station, which had a record production of 381 million units. The previous maximum from this station was 315 million units. The favourable circumstances also rendered unnecessary any load curtailment or reduction in the basic ration to consumers. Although the expansion in output was achieved without any increase in generation from steam the expenditure on coal was, nevertheless, higher than in the preceding year by reason of the disproportionately high price of coal in comparison with any previous standard. The quality of coal was somewhat improved, and adequate supplies could be obtained.

The unusually heavy programme of major new works to overtake the deficiency in generating plant capacity was progressing satisfactorily. Six new generating stations were in course of construction—two on the River Erne at Cliff and Cathaleen's Falls, one on the River Liffey at Leixlip, two turf-fired stations at Portarlington and Allenwood, Co. Kildare, and an oil-fired station at North Wall, Dublin. The capital cost of these stations, together with the resulting extensions of the main 110 kV transmission system, amounts to £8,000,000.

The surplus carried from the Profit and Loss Account to the Net Revenue Account was £74,996, as compared with £248,940 in the previous year.

The following are the summarised figures of income and expenditure for the year :—

	Year ended 31st March, 1948.	Year ended 31st March, 1947.
	£	£
Gross Revenue	3,886,479	3,608,639
Working Expenditure (including depreciation) ...	2,779,660	2,352,783
Balance carried to Profit and Loss Account	1,106,819	1,255,856
Interest, repayment of advances and discharge of capital liabilities acquired with local authority undertakings ...	1,031,823	1,006,916
Surplus ...	£74,996	£248,940

Having credited the surplus for the year, the accumulated deficiency in the Net Revenue Account was reduced to £20,176.

Electricity sales amounting to 492,000,000 units showed an increase of 38,000,000 units on the preceding year. The revenue from sales increased by £274,151. On the other hand, expenditure continued to grow rapidly by reason of increases in fuel costs, in prices of materials, and in staff salaries and wages, and these increases absorbed more than the additional revenue earned. The rate of growth of expenditure on elements which are outside the control of the Board has been such that the possibility of an increase in the charges to consumers has had to receive careful consideration, and the position is that, unless there is a diminution in costs in the near future, higher charges may have to be introduced.

Having credited accruing interest, amounting to £273,907, together with £350,000 for depreciation during the year, the accumulated sum made available up to 31st March, 1948, towards the replacement of wasting assets amounted to £6,540,318.

Capital repayments to the Minister for Finance debited to the Profit and Loss Account amounted to £93,556 and the repayment of capital liabilities assumed from local authorities to £8,773. At the 31st March, 1948, the total of the capital redeemed by repayments to the Minister for Finance was £679,716, and of the liabilities assumed from local authorities £741,277 had been repaid.

Expenditure on new capital works in course of construction at the end of the year was £3,262,755. The capital invested in plant put into commision during the year was £977,064, as compared with £485,489 in the preceding year.

This expenditure comprises the following :—	£
Generation	266,137
Transmission	86,997
Distribution	417,493
Equipment, Transport, etc.	206,437
	£977,064

The aggregate capital expenditure at 31st March, 1948, was £22,798,112.

SALE OF ELECTRICITY AND NUMBER OF CONSUMERS.

The number of units generated and sold, the revenue, the average price per unit, and the number of consumers for each of the last nineteen years are shown in the following table :—

Year ended 31st March.	Units Generated (and purchased).	Units Sold.	Revenue from Sales of Energy.	Average Price in Pence per Unit Sold.	Total Consumers.
			£		
1930 ...	60,947,775	43,177,228	478,006	2·66	48,606
1931 ...	119,842,716	85,500,494	735,302	2·06	69,045
1932 ...	151,843,717	110,677,196	938,933	2·04	78,511
1933 ...	166,076,275	120,098,523	1,044,475	2·09	83,052
1934 ...	185,383,327	138,503,130	1,149,681	1·99	91,267
1935 ...	206,105,570	156,964,146	1,258,388	1·92	103,037
1936 ...	244,098,692	187,015,590	1,429,888	1·84	116,704
1937 ...	284,117,500	218,758,085	1,584,433	1·74	130,483
1938 ...	314,477,200	244,460,235	1,724,873	1·69	145,230
1939 ...	377,637,400	295,258,706	1,900,563	1·54	160,382
1940 ...	406,998,700	318,551,656	1,946,310	1·47	172,545
1941 ...	435,864,400	345,230,808	2,071,888	1·44	183,747
1942 ...	450,411,800	357,252,304	2,182,970	1·47	200,419
1943 ...	414,363,000	328,052,276	2,223,708	1·63	210,475
1944 ...	442,892,900	346,938,333	2,426,082	1·68	222,013
1945 ...	406,273,400	319,010,297	2,458,411	1·85	228,008
1946 ...	483,625,900	379,094,294	3,061,518	1·94	237,136
1947 ...	571,876,300	453,655,294	3,588,550	1·90	248,030
1948 ...	619,965,500	492,148,983	3,862,701	1·88	262,598

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.

ANALYSIS OF UNITS SOLD.

The following Table gives an analysis of the units sold divided amongst the main categories of supply :—

Class of Supply	Units Sold		Increase	Percentage Increase
	Year ended 31st March, 1948	Year ended 31st March, 1947		
Domestic	189,327,181	168,695,170	20,632,011	12·2
General Lighting ...	38,455,001	35,848,402	2,606,599	7·3
General Heating, Cooking and Water Heating ...	55,403,560	49,823,347	5,580,213	11·2
Motive Power ...	179,985,315	172,236,566	7,748,749	4·5
Public Lighting ...	11,877,160	12,602,057	— 724,897	— 5·8
Traction	7,238,698	8,544,845	— 1,306,147	— 15·3
Miscellaneous ...	9,862,068	5,904,907	3,957,161	67·0
Totals ...	492,148,983	453,655,294	38,493,689	8·5

RESTRICTIONS ON ELECTRICITY SUPPLY.

The general restrictions on electricity supply in force during the year are set out in Appendix II.

UNDERTAKINGS ACQUIRED.

To permit of the extension of supply by the Board from the national network to meet local requirements, the local undertakings in Ballinrobe, Birr, Portumna, Ballinamore, Balla and Blacklion were acquired.

SALES OF APPLIANCES.

Sales of appliances amounted to £153,102 as compared with £99,791 for the preceding year. The rate of gross profit on sales was 21·1 per cent. The Merchandise Trading Account, having been charged with overhead expenses and interest on working capital, showed a profit of £18,490.

CONSUMERS' INSTALLATION DEPARTMENT.

The credit taken for contracts completed and invoiced for work carried out by the Department amounted to £156,981, as compared with £108,043 for the preceding year. The rate of gross profit was 22·6%. Having debited to the Installations Trading Account overhead expenses and interest on working capital, there was a net profit of £8,730.

GENERATION.

The output statistics for all generating stations and the corresponding figures for the preceding year are shown in the following table :—

Year ended 31st March	Station	Generation in kWh	Maximum daily output kWh	Maximum load kW
1948 ...	Ardnacrusha	381,185,900		
	Liffey	40,815,300		
	Pigeon House ...	195,333,000		
	Cork	707,300		
	Acquired Stations ...	299,000		
	Total ...	618,340,500	2,573,500	170,600
1947 ...	Ardnacrusha	315,678,500		
	Liffey	47,908,700		
	Pigeon House ...	204,939,700		
	Cork	1,849,300		
	Total ...	570,376,200	2,496,700	161,000
Increase for year ended 31st March, 1948		47,964,300	76,800	9,600

The total output for all stations showed an increase of 8·4% on the preceding year, and the average load for the year was 70,400 kW. The annual load factor on the basis of units generated was 41·2%, compared with 40·4% last year.

A supply of 1,625,000 units was purchased in bulk at Lifford from the Electricity Board for Northern Ireland.

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

Generation load duration, and integrated load duration curves	Appendix III
Outputs of all stations	Appendix V
Typical daily generation load curves ...	Appendix VI
Capacity of Board's generating stations ...	Appendix VII
Weekly summary of operating conditions—	
(a) Shannon catchment	Appendix IX
(b) Liffey catchment	Appendix XI
Graph showing annual output from 1st April, 1929, to 31st March, 1948	Appendix XV

GENERATING STATIONS.

Notwithstanding delays and difficulties in obtaining building materials and equipment a steady advance was made in the programme for the installation of additional generating plant.

(a) Portarlington Turf-fired Station :

Every endeavour is being made to have the station in commission by the spring of 1949.

The turbine house and switch buildings (with the exception of the internal finish) and all foundations for turbo alternator sets and boilers were completed. The installation of the boiler plant was commenced. The reinforced concrete cooling tower which will be 236 feet high, had been erected to a height of 150 feet. Two 20,000 kVA 10 kV/110 kV transformers were delivered and erected.

One of the two 12,500 kW turbo alternator sets which will be installed in this station was completed in the manufacturer's works, tested and made ready for delivery.

(b) River Erne Development.

There are two generating stations in this development, one at Cliff and the other at Cathaleen's Falls. The Cliff station is designed for the eventual installation of two sets with a combined capacity of 20,000 kW. The Cathaleen's Falls station will permit of an eventual installation of three sets with a combined capacity of 60,000 kW. Under the partial development, the initial installation will consist of one set at Cliff and two sets at Cathaleen's Falls. As the delivery of the set for Cliff power station is promised at an earlier stage than either of the sets for Cathaleen's Falls, every effort was made to advance the works at Cliff as rapidly as possible.

The progress of the works at Cliff was such that, subject to no unforeseen interruptions, it is anticipated that the first set will be in commission towards the end of 1949. The temporary diversion channel was excavated and the entire flow of the river was diverted into the the channel in July. The excavation for the two spillway blocks and for the intake at the power station was completed. The concrete was poured in the intake to about invert level, and in the draft tubes to soffit level. The north wing of the dam was built except the block containing the elver pass.

At Cathaleen's Falls the diversion channel and portion of the two blocks containing the temporary diversion culverts, and of the permanent spillway, were completed, and the river was turned into the channel in September. Construction of the northern wing of the dam was substantially advanced. About three-quarters of the concrete in the spillway blocks, and in the two diversion culvert blocks, was poured. The excavation for the remaining portion of the dam and for the intake was completed. Excavation for the power station itself, and for the tail race bay, was in progress. Almost half of the excavation within the first, or lower, section of the tail race cofferdam and about one-third of the excavation of the intermediate gravel section, which is being taken out under water using floating plant, was completed. Instead of un-watering the third, or upper, section of the tail race by a cofferdam in the river bed, the flow will be diverted into a temporary diversion channel in the northern bank of the river. The excavation of the channel was commenced in January, and it is anticipated that the work will be sufficiently advanced to enable the river to be diverted by mid-summer. The new bridge at Ballyshannon was opened to traffic on the 16th February.

Work was continued on the embankments, road diversions and ancillary works around the site of the Cathaleen's Falls storage basin.

The first set at Cathaleen's Falls power station is scheduled to go into service towards the end of 1950, and the second set about the middle of the following year.

(c) River Liffey Development.

(i) Pollaphuca Station :

This station is now complete, the final switch and control room equipment having been installed and put into service.

(ii) Golden Falls Station :

This station was also completed but it has not yet been possible to make arrangements for operation by remote control.

(iii) Leixlip Station :

Satisfactory progress was made on the civil construction works. The pouring of the concrete in the dam was substantially complete except for the upper portion of the closing block. The site of the reservoir was cleared and the construction of the tail race was almost finished. The re-construction of the bridge known as New Bridge was commenced. The intake and power station buildings were approaching completion. The 33-ton overhead crane was installed in the power station and the erection of the 4,000 kW Kaplan turbine was proceeding. All parts of the turbine were delivered to site and the generator and electrical control equipment had been despatched from the works. The main transformer and switchgear for the station was delivered.

It is hoped to have this station in operation in the spring of 1949.

(d) Allenwood (Co. Kildare)—Turf-fired Station :

Work was continued on the design of this 40,000 kW station and orders were placed for two 20,000 kW steam turbine alternator sets complete with condensing plant. Two 20,000 kVA 10/110 kV main transformers, auxiliary transformers and main witch and control gear, were also ordered.

The reinforced concrete cooling tower will be 205 feet diameter at the base and will be 285 feet high.

The general plans for the civil construction works for the station were completed, and the construction work is expected to commence during 1948.

The commissioning of this station is scheduled for the winter load of 1951.

(e) North Wall (Dublin)—Oil-fired Station :

The boiler plant and workshop of the Irish National Refineries, Ltd., at Alexandra Road, Dublin, were acquired and a lease of some 7½ acres was obtained from the Dublin Port and Docks Board. The boiler units are suitable for oil-firing.

It is the intention to instal at once one 12,500 kW turbo alternator set. This set has already been delivered, and orders have been placed for two 15,000 kVA 10/38 kV main transformers.

The contract for the civil construction works was placed in October and work was started on the site in November. All the steelwork for the turbine house was erected, and the first portion of the caisson for the cooling water pump house on Alexandra Basin was completed and sinking was ready to commence. Work was in progress on the erection of four fuel oil storage tanks, each with a capacity of about 1,500 tons.

It is hoped to place the station in commission early in 1949.

(f) Pigeon House (Dublin)—Coal and Oil-fired Station :

The erection of the two additional steam boiler units and the new ash disposal plant proceeded, and it is expected that the boilers and plant will be in commission for the summer run of 1948.

An order was placed for new mechanical coal handling plant for number 3 coal store which has a storage capacity of about 50,000 tons. Three fuel oil storage tanks of a capacity of 1,500 tons each were erected, and one 100,000 lbs. per hour steam boiler unit was made available for oil-firing.

MAIN TRANSMISSION SYSTEM.

The programme of new generating stations renders necessary a considerable extension to the main 110 kV transmission system. The present system consists of 487 miles of 110 kV transmission lines, and the extensions planned will add 338 miles.

For the transmission of the output of the Erne stations to Dublin, and to the other main feeding points on the grid, the following main lines will be erected. The survey and design work has been carried out :—

Ballyshannon—Dublin	...	122 miles
Ballyshannon—Carrick-on-Shannon	...	47 „
Carrick-on-Shannon—Drogheda	...	76 „

The output of the turf-fired station at Portarlington will be transmitted on a new 110 kV line from Portarlington to the existing Ardnacrusha–Dublin main line at Portlaoighise. The survey and design of this line have been completed.

Two new 110 kV transformer stations to be erected at Finglas (Dublin) and Athlone, respectively, have been designed, and orders were placed for the electrical equipment. Designs have also been prepared and contracts entered into for extensions to the existing 110kV stations at Carrick-on-Shannon, Drogheda, Waterford and Portlaoighise.

These extensions, and the further projected main lines, are indicated on the map in Appendix XVII.

TRANSMISSION AND DISTRIBUTION SYSTEMS.

The following extensions and reconstructions were made on the 38 kV. and 10 kV transmission systems and on the 38 kV., 10 kV, 5 kV and low tension distribution networks.

1. Low tension overhead mains erected ...	102	miles
2. Low tension overhead mains reconstructed or strengthened	11	,,
3. Low tension underground mains installed ...	13	,,
4. 10 kV underground cables installed ...	10	,,
5. 10 kV overhead transmission lines erected (excluding rural lines)	167	,,
6. 38 kV underground cables installed ...	2	,,
7. 38 kV overhead transmission lines erected ...	99	,,
8. Rural lines erected	720	,,

Three new 38 kV stations were placed in commission at Ballyshannon, Shannon Airport and Allenwood, respectively, and two temporary stations—at Ballyshannon and Shannon Airport—were retired.

One hundred and seventy-one new 10 kV transformer stations were placed in commission and nine were retired from service. Four new 5 kV transformer stations were placed in commission.

Particulars of the transmission and distribution systems in commission and under construction at the end of the year are given in Appendix XIII.

RURAL ELECTRIFICATION.

Under the Rural Electrification Scheme, supply is offered to all the houses in selected areas without any capital contribution from the consumer towards the cost of building the distribution networks. An area is approximately twenty-five square miles in extent, and areas showing the highest estimated financial return are selected first for development with the proviso that of the seventeen construction crews now in existence, at least one must be working in each of the ten administrative districts into which the country is divided. This ensures a widespread distribution of the scheme throughout the country while permitting the early development of the more remunerative areas. The financial return is measured by taking the estimated annual fixed charge revenue as a percentage of the estimated capital cost. A special annual charge is quoted for a small percentage of the houses, (those in more isolated positions), to bring these within the general economics of the scheme.

During the year considerable progress was made in extending supply to the rural community. Requests for supply were received in increasing numbers from local committees throughout the country. In almost every case a thorough canvass had been carried out by a local committee, and where the preliminary results warranted, the Board sent one of its officials to investigate fully the possibilities of the area. Of the many applications which have been received to date, fifty-five areas have been examined in detail.

The following twenty-one areas were selected for development during the year :—

Abbeyshrule	...	Co. Longford.
Ardrahan ...	...	Co. Galway.
Ballyduff ...	...	Co. Waterford.
Ballymacelligott	...	Co. Kerry
Bansha ...	...	Co. Tipperary.
Carrigallen ...	...	Co. Leitrim.
Clonaslee ...	...	Co. Leix.
Fenit ...	...	Co. Kerry.
Gowna ...	...	Co. Cavan.
Julianstown	...	Co. Meath.
Kilbride ...	...	Co. Wicklow.
Kill and Straffan	...	Co. Kildare.
Lombardstown	...	Co. Cork.
Lusmagh ...	...	Co. Offaly.
Mantua ...	...	Co. Roscommon.
Murrisk ...	...	Co. Mayo.
Quin ...	...	Co. Clare.
Rossnowlagh	...	Co. Donegal.
Shelburne ...	...	Co. Wexford.
Termonfeckin	...	Co. Louth.
Tydavnet ...	...	Co. Monaghan.

With the seven areas selected in the previous year there is now one area in each county with two in each of the counties Cork and Kerry. Work was completed in the following seven areas :—

Ballymacelligott	...	Co. Kerry.
Easkey ...	...	Co. Sligo.
Inniscarra ...	...	Co. Cork.
Kilsallaghan	...	Co. Dublin.
Multyfarnham	...	Co. Westmeath
Patrickswell	...	Co. Limerick.
Tinryland ...	...	Co. Carlow.

In four other areas construction work was almost completed and consumers were connected ; construction was in various stages of progress in a further fifteen areas.

In this, the first year in which construction work on any extensive scale was undertaken, the rate increased steadily as the year proceeded, reaching a maximum in the last quarter during which 320 miles of line were erected.

Line construction at this rate required large supplies of material. During the year 100,000 poles were procured from the Baltic, pole stocks being accumulated at Dublin and Cork ports. Sufficient quantities of conductor, insulators, ironwork, and transformers were obtained to keep the construction crews working, although deliveries continued to be erratic. Owing to the high price of copper conductor, large orders were placed for steel reinforced aluminium conductor and the first deliveries received.

In general the material position remained difficult and it is this factor which at present determines the rate at which the Scheme can be carried out.

Demonstrations showing the use of electricity in the home, and how electricity can be used to remove the drudgery from many of the farmyard tasks, and increase production, were given in almost every county by a mobile demonstration unit. The mobile unit also demonstrated the use of electricity as a source of power for automatically providing a pressure supply of running water in the home and around the farmyard. Illustrated lectures, films and working displays were utilised.

The present high price of many items of equipment is beyond the means of a large section of the rural community and is seriously retarding the full utilisation of electricity. Some progress was made in procuring a selection of robust, but efficient and reasonably priced equipment for use in the farmyard and rural dwelling.

Including work in progress, the total capital expenditure on rural electrification amounted to £450,276 at the 31st March, 1948.

WATER STORAGE AND RIVER CONTROL.

RIVER SHANNON.

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 rainfall in the Shannon catchment to Killaloe was 48·38 inches, which was 126% of the long term mean. This was the highest rainfall recorded over the past 55 years, with the exception of 1924/25 with a rainfall of 49·4 inches. The average inflow at Killaloe was 238·0 cbm/sec. which was 22·5% above the long term mean. The water used for power generation amounted to 80·6% of the total discharge, excluding river compensation water.

The important hydrometric figures were as follows :—

Average rainfall in Shannon catchment ...	48·38	inches.
Average inflow to Shannon catchment ...	238·0	cbm/sec.
Average water used at Ardnacrusha power station	187·5	„
Average water used per unit generated ...	15·55	cbm.
Average available head at Ardnacrusha power station	27·84	m.
Maximum available head at Ardnacrusha power station	30·27	m.
Minimum available head at Ardnacrusha power station	24·64	m.

(The average inflow to the catchment at Killaloe for the calendar year 1947 was 239·3 cbm/sec.).

RIVER LIFFEY :

The following data in connection with the flow of the Upper Liffey is contained in Appendix XII :—

(i) Daily water level of Pollaphuca reservoir.

(ii) Average daily discharge in river below Golden Falls.

(iii) Draw-off by Dublin Corporation water supply.

The total average inflow to Pollaphuca reservoir was 10·13 cbm/sec. or 11·1% above the long term mean (9·12 cbm/sec.), as compared with the figure of 22·5% for the Shannon catchment.

The draw-off by the Dublin Corporation for the city water supply averaged 8·8 million gallons per day (0·47 cbm/sec.) over the year.

The important hydrometric figures were as follows :—

Average inflow to Pollaphuca catchment	10·13	cbm/sec.
Average water used at Pollaphuca station ...	8·68	„
Average water used by Dublin Corporation	0·47	„
Average water used per unit generated at Pollaphuca	9·08	cbm
Average water used per unit generated at Golden Falls	27·85	„

(The total inflow for the calendar year 1947 was 11·19 cbm/sec.).

WATER POWER RESOURCES AND HYDROMETRIC SURVEY.

The collection of data, with a view to the investigation, and possible later development, of the further water power resources of the country was continued. The total number of rivers under observation, including the Erne and Lower Liffey, was sixteen. During the year fifty-four river flow measurements were taken. Daily flows were computed to date of eight of the rivers under observation. The establishment of rating curves on the remaining eight rivers was not fully complete.

On the basis of the flow data which had been collected since hydrometric observations were commenced on the river in 1940, plans for the possible hydro-electric development of the River Lee, Co. Cork, were prepared and were under examination.

Work proceeded on the collection of hydrometric data on the Shannon and Upper Liffey for river control purposes.

On the River Erne and the Lower Liffey at Leixlip, in addition to the collection of flow data, hydrometric observations were in progress in relation to the projects at present under construction.

PERMITTED UNDERTAKINGS.

At the 31st March, 1948, there were seventy-two supply undertakings operating under permits from the Board. During the year six permits lapsed as a result of the acquisition of the undertakings by the Board and one undertaking ceased supply. Particulars of all permitted undertakings, except where the number of consumers is three or under, are contained in Appendix XIV.

SUPERANNUATION SCHEMES.

At the end of the year the number of contributing members in the General Employees Superannuation Scheme was 1,093, and in the Manual Workers Superannuation Scheme, 1,241. Thirty-two persons were in receipt of pensions from the funds.

A total sum of £511,300 has been invested by the Trustees of the Superannuation Funds in loans to the Board under Section 8 of the Electricity Supply Board (Superannuation) Act, 1942.

TRIBUNAL TO DETERMINE DISPUTES.

The Tribunal has sent to the Board a Report of Proceedings in the year ended 31st March, 1948, and for record purposes this Report has been reproduced in Appendix XVI.

STAFF.

The strength of the Board's regular staff at the 31st March, 1948, was 2,905.

The Board desires to record again its appreciation of the efficient manner in which the members of the staff performed their duties.

BOARD MEMBERSHIP.

Mr. Henry Golden was appointed a member of the Board as from the 1st May, 1947.

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

PATRICK J. DEMPSEY, Secretary.

30th June, 1948.

REPORT

ON THE

SHANNON FISHERIES

27, LOWER FITZWILLIAM STREET,
DUBLIN.

TO THE MINISTER FOR INDUSTRY AND COMMERCE.

In accordance with the provisions of Sections 17 and 18 of the Shannon Fisheries Act, 1938, the Board presents the Annual Report and Accounts for the year ended 31st March, 1948.

The proceeds from the sale of fish, including eels, the leasing of fishing rights and miscellaneous fishery receipts, amounted to £18,382, as compared with £9,280 in the preceding year. The year's trading resulted in a deficiency of £5,354 having charged interest and sinking fund amounting to £10,667 on the capital invested in the fisheries, and making an allowance of £1,004 for depreciation. The debit for fishery rates was £3,713. The deficiency in the preceding year was £13,021.

SALMON FISHERIES.

The weight of fish taken at the Thomond and stake weirs was 48,589 lbs., as compared with 27,980 lbs. in the preceding year. For the greater part the fish were sold in the Dublin market, and sales realised £9,215, as compared with £4,682.

At the Thomond weir the run of fish is recorded, and the figures are shown in the table which follows. The count showed an increase in the run of salmon but a decrease in the number of grilse. The heavy catch of grilse at the stake weirs, however, indicated that the total run of grilse in the river was larger than in the previous year. The migration of smolts was again very heavy, and the spawning was the most favourable for many years.

The table shows the recorded run of salmon and grilse at Thomond weir over the past three years. No record was taken of the run during the month of January, 1948, nor, owing to abnormal floods, was counting or fishing possible until the 10th February.

Month.	Years : 1947/1948.	1946/1947.	1945/1946.
April	574	731	533
May	561	763	775
June	3,781	6,960	3,683
July	2,983	1,760	977
January	—	—	8
February	116	61	13
March	794	80	484
Totals ...	8,809	10,355	6,473

At Thomond weir the average weight of salmon was 13·0 lbs., as compared with 12·6 lbs., while at the stake weirs the average weight was 11·2 lbs., as compared with 10·9 lbs. The average weight of grilse was 6·7 lbs. at Thomond weir and 6·2 lbs. at the stake weirs, compared with 5·5 lbs. and 6·2 lbs., respectively, in the preceding year.

EEL FISHERIES.

The total weight of eels taken for the season showed a considerable increase as follows :—

Location of Weir.	Year ended 31st March	
	1948	1947
	lbs.	lbs.
Athlone	—	738
Castleconnell	3,948	6,800
Killaloe	51,792	21,507
Totals	55,740	29,045

It was still difficult to obtain nets, but a supply was secured for Killaloe weir which, in addition, was completely surveyed and reconditioned. In consequence of these improvements, the catch for the weir constituted a record. Owing to the absence of nets the Athlone weir was not operated. The decrease in the catch at Castleconnell was primarily attributable to the unfavourable water conditions at the weir.

The proceeds from the sale of eels was £8,986, as compared with £4,347 in the preceding year.

OYSTER FISHERIES.

Experimental breeding of oysters was carried out in the mussel purification tanks of the Irish Sea Fisheries Association at Cromane, County Kerry, under the expert guidance of Mr. G. P. Farren, late of the Department of Agriculture, Fisheries Branch, Dublin, and Dr. H. A. Cole, British Ministry of Fisheries. As a result, about 130,000 young oysters were transferred to special trestles erected in the Shannon at Ballylongford Bay. It is proposed to experiment for a further year or two before proceeding with the erection of spatting tanks for breeding purposes.

Towards the end of the year enquiries were initiated and an order was placed, in Brittany, for six tons of seed oysters.

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

PATRICK J. DEMPSEY, Secretary.
30th June, 1948.

APPENDICES

LIST OF APPENDICES.

Appendix.

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

II.—Rationing.

III.—Generation load duration, and integrated load duration, curves.

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

V.—Outputs of the Board's generating stations during the year.

VI.—Typical daily generation load curves.

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

VIII.—Weekly outputs and peak loads year ended 31st March, 1948.

IX.—Shannon Catchment weekly operating conditions, year ended 31st March, 1948.

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

XI.—Liffey Catchment weekly operating conditions, year ended 31st March, 1948.

XII.—Water levels and discharges of Pollaphuca reservoir for the year.

XIII.—Transmission and distribution systems in commission.

XIV.—Particulars of permitted undertakings providing supply at 31st March, 1948.

XV.—Units generated per annum from 1st April, 1928, to 31st March, 1948.

XVI.—Report of the Tribunal set up under the Electricity Supply Board (Superannuation) Act, 1942.

XVII.—Map of transmission system.

DUBLIN No. 1 DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Dublin City	475,594	105,093	100,952	75,196	73,713
TOTALS ...	475,594	105,093	100,952	75,196	73,713

CORK No. 1 DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Cork City ...	99,011	20,100	18,660	20,129	20,076
TOTALS ...	99,011	20,100	18,660	20,129	20,076

DUBLIN No. 2 DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Baldoyle ...	765	219	222	26	26
Howth and Sutton	4,832	1,229	1,187	113	105
Raheny ...	—	296	282	24	24
Coolock	349	97	97	1	1
Artane	996	71	68	75	75
Santry	116	127	112	97	92
Ballymun ...	—	113	Nil	Nil	Nil
Finglas	1,383	455	391	277	225
Chapelizod ...	—	362	351	99	81
Knockmaroon ...	—	14	14	1	1
Lucan	867	398	381	271	281
Ballydowd ...	—	20	20	Nil	Nil
Palmerstown ...	208	35	35	60	60
Bluebell	399	96	89	92	92
The Ranch ...	—	154	145	Nil	Nil
Dundrum–Sandyford	7,560	2,376	2,275	304	294
Dun Laoghaire Borough ...	39,785	9,356	9,272	1,912	1,926
Stillorgan— Ballybrack ...	7,000	1,507	1,062	278	220
Shankill— Loughlinstown ...	2,332	452	423	25	23
Bray	10,347	2,688	2,590	1,901	1,883
Greystones ...	1,535	621	611	327	311
Ashford	—	97	93	60	60
Balbriggan ...	2,434	478	459	186	180
Balgriffin ...	—	66	64	11	11
Ballymore Eustace	338	123	115	118	115
Balrothery ...	—	12	12	Nil	Nil
Blanchardstown ...	417	185	180	39	36
Blessington ...	289	124	121	82	71
Castleknock ...	1,789	184	176	151	101

DUBLIN No. 2 DISTRICT—*continued.*

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Celbridge ...	627	207	204	133	96
Clane	145	44	35	Nil	Nil
Clondalkin ...	967	341	309	4,078	4,115
Clonee	112	30	27	51	51
Clonsilla–Porterstown	819	125	124	35	32
Delgany–Killincarrig	1,060	244	227	9	9
Donabate ...	186	186	171	123	123
Dunboyne ...	290	60	63	44	44
Enniskerry ...	145	92	84	Nil	Nil
Glenealy ...	—	33	35	92	92
Kilcock	475	97	86	68	48
Kilcoole	303	120	114	Nil	Nil
Kill and Johnstown	95	69	67	110	110
Kilmacanogue ...	—	65	35	Nil	Nil
Kiltiernan—Scalp	713	143	133	11	10
Kingswood ...	—	18	17	Nil	Nil
Kinsaley ...	—	21	22	Nil	Nil
Leixlip	571	231	215	329	322
Lusk	305	119	114	4	4
Malahide ...	1,259	466	430	250	177
Maynooth ...	632	171	157	166	137
Naas	3,290	654	619	561	575
Newtownmount-kennedy ...	208	162	162	11	11
Portmarnock ...	516	162	148	7	7
Poulaphouca ...	—	11	11	3	3
Rathcoole ...	223	76	75	7	7
Rathdrum ...	504	209	200	483	302
Rathnew ...	547	103	95	79	57
Rockbrook ...	—	41	23	Nil	Nil
Rush	1,651	426	406	53	53
Saggart	116	49	48	1,573	1,573
Sallins and Clongowes	276	66	59	339	339
Skerries	2,134	624	631	112	95
Stepaside ...	102	19	20	Nil	Nil
Swords	838	302	278	227	209
Tallaght	611	145	132	476	476
Turnapin ...	238	29	30	Nil	Nil
Wicklow ...	3,183	641	597	444	411
Kilbride Rural Area	—	81	Nil	Nil	Nil
Kilsallaghan Rural Area	—	355	Nil	Nil	Nil
TOTALS ...	106,882	28,992	27,050	16,408	15,782

CORK No: 2 DISTRICT:

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Ballinacurra	403	86	84	190	188
Ballincollig	400	71	63	Nil	Nil
Ballineen	272	66	64	162	147
Bandon	3,500	874	838	732	617
Bantry	2,643	480	461	117	117
Bishopstown, etc. ...	97	117	97	35	107
Blarney	723	198	192	311	311
Buttevant	881	205	202	137	64
Carrigaline	315	105	96	193	167
Carrigtwohill ...	402	53	48	59	59
Castlelyons ...	113	25	25	128	128
Castlemartyr ...	346	65	65	116	8
Castletownroche ...	443	76	76	53	32
Castletownsend ...	147	40	34	Nil	Nil
Clonakilty	2,961	553	550	703	658
Cloyne	684	102	96	137	110
Cobh	6,272	1,146	1,076	1,148	1,145
Courtmacsherry ...	221	47	42	5	4
Crookstown ...	—	26	22	285	164
Crosshaven	724	177	167	89	86
Doneraile	740	184	175	32	32
Drimoleague ...	344	73	64	63	59
Drinagh	—	25	23	429	429
Drommahane ...	96	21	21	70	Nil
Dunmanway ...	1,561	289	280	131	128
Enniskeane	162	34	34	4	2
Fermoy	4,123	717	678	448	439
Glandore	124	18	18	Nil	Nil
Glanmire	213	97	92	95	95
Glanworth	261	52	52	12	Nil
Glengariff	—	38	Nil	2	Nil
Glounthaune ...	—	16	16	Nil	Nil
Haulbowline ...	—	20	23	2,493	2,493
Innishannon ...	182	36	32	65	3
Kilbarry	272	63	60	124	119
Kildorrery	236	67	67	60	26
Killeagh	235	57	52	101	38
Kinsale	2,661	470	460	181	175
Leap	157	35	35	1	Nil
Lombardstown ...	—	9	9	156	115
Macroom	2,382	480	471	235	162
Mallow	4,948	1,069	1,048	1,174	389
Midleton	2,823	563	540	354	314
Mitchelstown ...	1,902	506	494	1,037	236
Mogeely	—	8	8	25	Nil
Passage West ...	2,648	340	336	16	16
Monkstown		168	163	3	Nil
Rathcormac ...	187	31	31	Nil	Nil
Rostellan	112	48	47	Nil	Nil
Skibbereen ...	2,541	567	544	418	417
Timoleague	248	62	59	11	50
Upper Aghada ...	155	23	23	16	14
Whitegate	286	80	75	6	Nil
Youghal	5,131	836	759	321	299
Inniscarra Rural Area	—	246	Nil	Nil	Nil
TOTALS ...	56,277	11,860	11,087	12,683	10,162

ATHLONE DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Ahascragh ...	269	56	53	4	4
Ardagh (Co. Longford) ...	—	24	25	1	1
Athleague ...	208	37	36	27	15
Athlone	7,257	1,742	1,699	2,586	2,542
Ballinagar ...	—	4	4	Nil	Nil
Ballinasloe ...	5,834	647	620	463	447
Ballygar	335	93	92	33	32
Ballymahon ...	643	140	137	63	59
Banagher ...	720	149	146	110	109
Birr	3,297	511	3	55	54
Borrisokane ...	551	174	171	7	7
Clara	1,590	425	409	461	459
Cloghan	188	31	30	33	33
Daingean (or Philipstown) ...	518	74	72	14	14
Edgeworthstown (or Mostrim) ...	515	124	117	47	47
Eyrecourt ...	323	57	56	40	40
Ferbane	301	80	79	3	2
Granard ...	1,236	207	209	27	27
Kilbeggan ...	593	146	140	20	11
Kilcormac (or Frankford) ...	448	87	82	39	38
Longford ...	3,807	805	786	142	105
Lorrha	98	26	27	Nil	Nil
Moate	1,326	219	199	37	28
Mullingar ...	5,237	1,125	1,087	739	779
Newtownforbes ...	369	46	42	45	45
Portumna ...	894	184	4	345	345
Roscommon ...	2,040	453	442	77	71
Tullamore ...	5,135	1,103	1,067	1,831	1,809
Multyfarnham Rural Area	—	215	Nil	Nil	Nil
TOTALS ...	43,732	8,984	7,834	7,249	7,123

DUNDALK DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
An Uaimh (Navan)	4,123	954	912	1,232	1,200
Ardee	2,383	326	312	301	294
Arvagh	525	105	102	11	11
Athboy	520	133	129	89	85
Bailieborough ...	854	205	200	369	367
Ballinagh ...	314	64	59	Nil	Nil
Ballybay ...	1,034	256	236	94	94
Ballyjamesduff ...	434	106	107	29	14
Belturbet ...	1,341	236	225	259	259
Bettystown-Laytown Mornington–Donacarney ...	258	207	179	46	46
Blackrock (Louth)	695	203	190	28	24
Butler's Bridge ...	96	23	22	10	10
Carrickmacross ...	2,095	440	410	238	220
Castleblayney ...	1,725	407	389	593	560
Cavan	3,393	658	626	286	269
Ceanannus Mór (Kells) ...	2,304	434	418	263	246
Clones	2,400	556	535	138	134
Cootehill ...	1,593	306	298	186	178
Crossdoney ...	—	6	5	12	12
Drogheda ...	14,494	2,730	2,509	3,457	3,424
Drum	72	15	14	Nil	Nil
Drumcondrath ...	147	27	28	Nil	Nil
Dundalk ...	16,214	3,534	3,391	4,037	3,902
Killeshandra ...	473	105	105	444	391
Kilnaleck ...	247	43	43	2	Nil
Kingscourt ...	631	136	134	826	507
Monaghan ...	4,780	715	674	1,041	976
Newtown ...	—	1	1	10,833	10,763
Oldcastle ...	586	159	150	39	29
Shercock ...	228	66	65	171	161
Trim	1,455	254	240	78	78
Virginia	418	99	96	79	39
Julianstown Rural Area	—	159	Nil	Nil	Nil
TOTALS ...	65,832	13,668	12,804	25,191	24,293

LIMERICK DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Adare	497	143	127	183	179
Annacotty ...	—	34	33	90	90
Ardagh	119	36	34	121	121
Ardnacrusha and Clonlara ...	249	81	77	357	354
Askeaton ...	581	120	119	191	152
Ballagh	—	1	1	165	164
Ballingarry (Co. Limerick) ...	339	70	69	74	74
Ballylanders ...	193	52	48	19	15
Birdhill	—	13	11	24	15
Broadford (Ráth Luirc)	162	22	24	Nil	Nil
Bruff	349	90	89	16	16
Bruree	250	72	64	69	69
Bulgaden ...	—	2	2	Nil	Nil
Caherconlish ...	305	47	43	Nil	Nil
Cahir	1,638	398	371	288	266
Cappamore ...	558	72	74	168	168
Cappawhite ...	426	58	55	15	15
Cashel	3,028	436	427	172	171
Castleconnell ...	219	87	82	Nil	Nil
Castlemungret ...	—	1	1	2,670	2,670
Castletroy ...	—	44	36	204	203
Castlemahon ...	72	16	15	94	93
Clarecastle ...	549	105	103	Nil	Nil
Cloncagh ...	—	6	6	74	74
Croom	791	103	102	16	59
Doon	478	65	64	24	24
Dromina ...	109	15	15	20	20
Drumcollogher ...	457	112	111	22	22
Elton	—	12	12	100	100
Ennis	5,897	1,279	1,231	660	644
Ennistymon ...	1,264	289	282	207	177
Foynes	497	102	83	85	93
Galbally	195	33	32	20	20
Garryspillane ...	—	10	3	57	57
Hospital	609	121	120	38	38
Herbertstown ...	85	23	23	136	136
Kilfenora ...	165	43	42	Nil	Nil
Kilfinane ...	818	158	160	55	54
Kilkee	1,863	336	316	34	17
Kilkishen ...	108	25	24	Nil	Nil
Killaloe and Ballina (Tipp.) ...	1,066	244	239	196	193
Kilmallock ...	861	287	273	287	287
Kilrush	3,426	561	535	452	409
Knocklong ...	—	36	28	246	246

LIMERICK DISTRICT—*continued.*

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Lahinch	327	79	69	2	1
Lattin	—	1	1	123	123
Limerick City ...	43,663	9,524	9,202	8,425	8,100
Limerick Junction ...	206	48	48	58	38
Lisdoonvarna ...	193	125	128	Nil	256
Martinstown ...	—	1	1	Nil	Nil
Milford (Ráth Luirc)	161	36	35	222	222
Miltown-Malbay ...	809	178	175	8	7
Murroe	—	2	2	40	40
Nenagh	4,902	862	820	895	868
Newcastle West ...	2,943	466	450	222	217
New Inn	117	21	21	96	96
Newmarket-on-Fergus	368	96	92	55	55
Newport (Tipp.) ...	494	101	99	139	138
Newtown (Ráth Luirc)	106	19	18	87	87
O'Brien's Bridge—Montpelier ...	277	32	31	Nil	Nil
Oola	392	28	18	92	Nil
Rathkeale	1,565	276	275	182	175
Ráth Luirc (Charleville)	1,625	409	382	290	284
Rineanna and Ballygireen ...	—	66	35	390	388
Solohead	—	9	9	49	49
Spanish Point ...	—	6	4	1	Nil
Tipperary	5,384	878	803	698	645
Tulla	474	100	100	6	6
Patrickswell Rural Area	—	487	Nil	Nil	Nil
TOTALS ...	92,229	19,710	18,424	19,729	19,300

TRALEE DISTRICT:

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Abbeyfeale	1,122	245	243	125	60
Athea	259	58	58	Nil	Nil
Ballybunion ...	543	233	231	Nil	Nil
Ballylongford ...	514	86	78	144	89
Boherbue	242	57	55	134	134
Brosna	332	67	65	285	284
Castleisland ...	1,325	306	297	252	207
Castlemaine ...	104	25	25	157	157
Dromtariffe ...	—	2	2	48	48
Duagh	128	13	13	Nil	Nil
Edenburn	—	1	1	18	18
Glin	516	95	94	115	115
Kanturk	1,555	363	352	445	400
Killarney	5,609	956	930	332	300
Killorglin	775	243	238	150	145
Listowel	3,098	618	608	524	516
Millstreet	975	220	217	158	155
Miltown	311	65	66	16	16
Newmarket	838	197	185	198	198
Newtownsandes ...	230	45	43	59	44
Rathmore	184	41	34	239	139
Tarbert	315	58	55	32	32
Tralee	10,620	2,232	2,190	1,387	1,386
Ballymacelligott Rural Area ...	—	21	Nil	Nil	Nil
TOTALS ...	29,595	6,247	6,080	4,818	4,443

SLIGO DISTRICT:

Appendix I—continued.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Arigna	—	13	11	358	346
Ballaghaderreen ...	1,122	315	314	168	152
Ballina	5,728	1,344	1,326	751	718
Ballinamore ...	814	177	Nil	4	Nil
Ballymote	738	219	209	139	137
Ballyshannon ...	2,223	664	664	1,363	1,357
Blacklion	110	32	Nil	Nil	Nil
Boyle	—	2	1	36	36
Bundoran	1,352	394	384	47	43
Carrick-on-Shannon ...	1,015	346	338	165	145
Castlerea	1,313	355	344	188	187
Charlestown and Bellahy	773	200	197	41	29
Collooney	310	2	2	400	400
Convoy	369	96	94	720	720
Crocketstown (Ballina Quay) ...	171	28	26	Nil	Nil
Crossmolina	660	150	148	44	44
Curry	—	17	18	Nil	Nil
Drumsna	122	15	11	Nil	Nil
Elphin	548	124	120	14	3
Foxford	805	173	164	264	264
Gurteen	—	43	45	30	10
Inniscrone	399	125	122	23	23
Jamestown	—	7	7	Nil	Nil
Kilkelly	160	62	60	Nil	Nil
Killala	449	69	68	1	1
Kiltimagh	1,090	244	238	72	66
Leitrim	107	27	26	Nil	Nil
Letterkenny ...	2,649	581	542	148	135
Lifford	478	150	148	59	59
Loughglynn ...	114	22	22	Nil	1
Manorhamilton ...	976	212	213	62	41
Mohill	714	207	194	44	44
Rosses Point ...	214	63	Nil	Nil	Nil
Sligo	12,565	2,278	2,220	1,861	1,758
Strokestown ...	628	166	161	34	34
Swinford	1,203	310	305	166	166
Tubbercurry ...	823	193	190	88	85
Easkey Rural Area ...	—	198	Nil	3	Nil
TOTALS ...	40,742	9,623	8,932	7,293	7,004

GALWAY DISTRICT:

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Athenry	1,048	226	220	153	153
Ballinrobe	1,351	278	Nil	40	Nil
Ballyhaunis	1,160	266	260	78	64
Castlebar	4,826	775	767	716	717
Claremorris	1,132	360	356	501	501
Clarinbridge ...	123	20	20	Nil	Nil
Galway	18,294	3,423	3,334	1,849	1,765
Gort	1,034	230	221	163	160
Kinvara	420	47	44	Nil	Nil
Loughrea	2,891	349	342	167	167
Newport (Mayo) ...	353	103	101	32	32
Oranmore	184	36	31	24	9
Tuam	4,181	876	854	188	187
Westport	3,409	678	665	708	709
Ardrahan Rural Area	—	98	Nil	Nil	Nil
Murrisk Rural Area ...	—	5	Nil	Nil	Nil
TOTALS ...	40,406	7,770	7,215	4,619	4,464

PORTLAOIGHISE DISTRICT:

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Abbeyleix	664	179	171	70	54
Athy	3,628	673	651	652	552
Ballinakill	338	63	61	36	32
Baltinglass	659	203	197	37	21
Ballybrophy—					
Donaghmore ...	87	13	12	7	7
Ballyragget	449	113	112	23	22
Ballyroan	127	24	24	Nil	Nil
Borris-in-Ossory ...	216	50	48	37	37
Borrisoleigh ...	544	109	107	50	50
Brannockstown–Milemill	—	37	37	Nil	Nil
Callan	1,516	261	260	271	236
Carlow	7,649	1,310	1,269	905	825
Castlecomer	809	227	224	1,262	1,259
Castledermot ...	276	124	124	78	78
Castletown	251	26	25	Nil	Nil
Clogh	167	35	35	Nil	Nil
Clonbullogue ...	79	16	15	Nil	Nil
Curragh Camp, etc. ...	226	152	146	269	268
Droichead Nua, etc.	2,375	709	683	1,055	1,047
Dunlavin	332	87	84	19	19
Durrow	462	100	98	12	6
Edenderry	2,093	418	417	322	267
Freshford	456	121	114	228	211
Hacketstown ...	377	93	92	29	29
Kilcullen	441	128	123	46	46
Kildare	1,758	487	479	166	147
Kilkenny	10,237	1,701	1,586	923	894
Kiltegan	101	24	24	Nil	Nil
Leighlinbridge ...	425	88	87	112	112
Loughmore	—	21	19	Nil	Nil
Monasterevan ...	580	136	129	142	118
Mountmellick ...	2,314	424	404	158	158
Mountrath	1,116	217	217	60	36
Muine Bheag					
(Bagenalstown) ...	1,897	356	343	254	192
Palatine	101	19	18	Nil	Nil
Portarlington and					
Clonsast ...	1,851	475	472	1,015	1,015
Portlaoighise ...	3,396	810	797	844	823
Rathangan	431	82	78	76	76
Rathdowney ...	825	185	180	15	9
Rathvilly	253	38	37	2	1
Roscrea	3,060	637	623	830	761
Stradbally	762	132	128	36	35
Talbot's Inch ...	108	36	33	7	7
Templemore ...	1,981	345	340	201	142
The Swan	—	28	28	557	557
Thurles	5,648	1,033	1,006	502	438
Tullow	1,616	335	321	158	153
Urlingford—Johnstown	835	133	133	11	11
Tinryland Rural Area	—	266	Nil	Nil	Nil
TOTALS ...	63,516	13,279	12,611	11,477	10,751

WATERFORD DISTRICT.

Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Arklow	4,680	1,081	1,042	730	697
Ballyhale ...	102	28	26	10	10
Ballypatrick ...	—	4	4	76	76
Borris (Carlow) ...	530	97	91	10	Nil
Campile	117	17	13	198	196
Cappagh ...	—	3	2	25	25
Cappoquin ...	1,038	205	196	118	77
Carnew	516	82	71	30	30
Carrick-on-Suir ...	4,840	823	796	687	687
Clonmel	9,391	1,563	1,425	905	903
Clonegal	136	27	27	Nil	Nil
Dungarvan ...	5,361	1,077	1,043	912	894
Dunmore East ...	308	114	100	12	7
Enniscorthy ...	5,873	1,034	973	791	785
Ferns	342	111	107	113	113
Fethard	1,112	233	230	66	63
Gorey	2,323	455	456	437	427
Graiguenamanagh and Tinnahinch	1,125	250	233	214	114
Inistioge ...	326	47	44	Nil	Nil
Killenaule ...	511	95	96	556	555
Lismore	1,194	253	238	125	125
New Ross ...	5,056	814	797	760	754
Newtownbarry and Carrickduff ...	766	214	207	52	52
Passage East ...	431	68	65	5	5
Piltown ...	287	62	62	238	238
Portlaw	847	197	183	816	811
Rosslare Harbour and Kilrane ...	629	135	119	239	239
Rosslare Strand ...	189	100	94	47	47
Shillelagh ...	147	33	29	2	Nil
Taghmon ...	345	58	60	9	9
Tallow	779	170	162	34	34
Thomastown ...	769	185	179	54	53
Tinahely ...	296	68	62	16	16
Tramore	2,047	733	723	63	63
Waterford ...	27,968	5,141	4,944	5,213	5,045
Wexford ...	12,247	1,623	1,482	1,531	1,381
Pollrone Rural Area	—	72	Nil	Nil	Nil
TOTALS ...	92,628	17,272	16,381	15,094	14,531

SUMMARY.

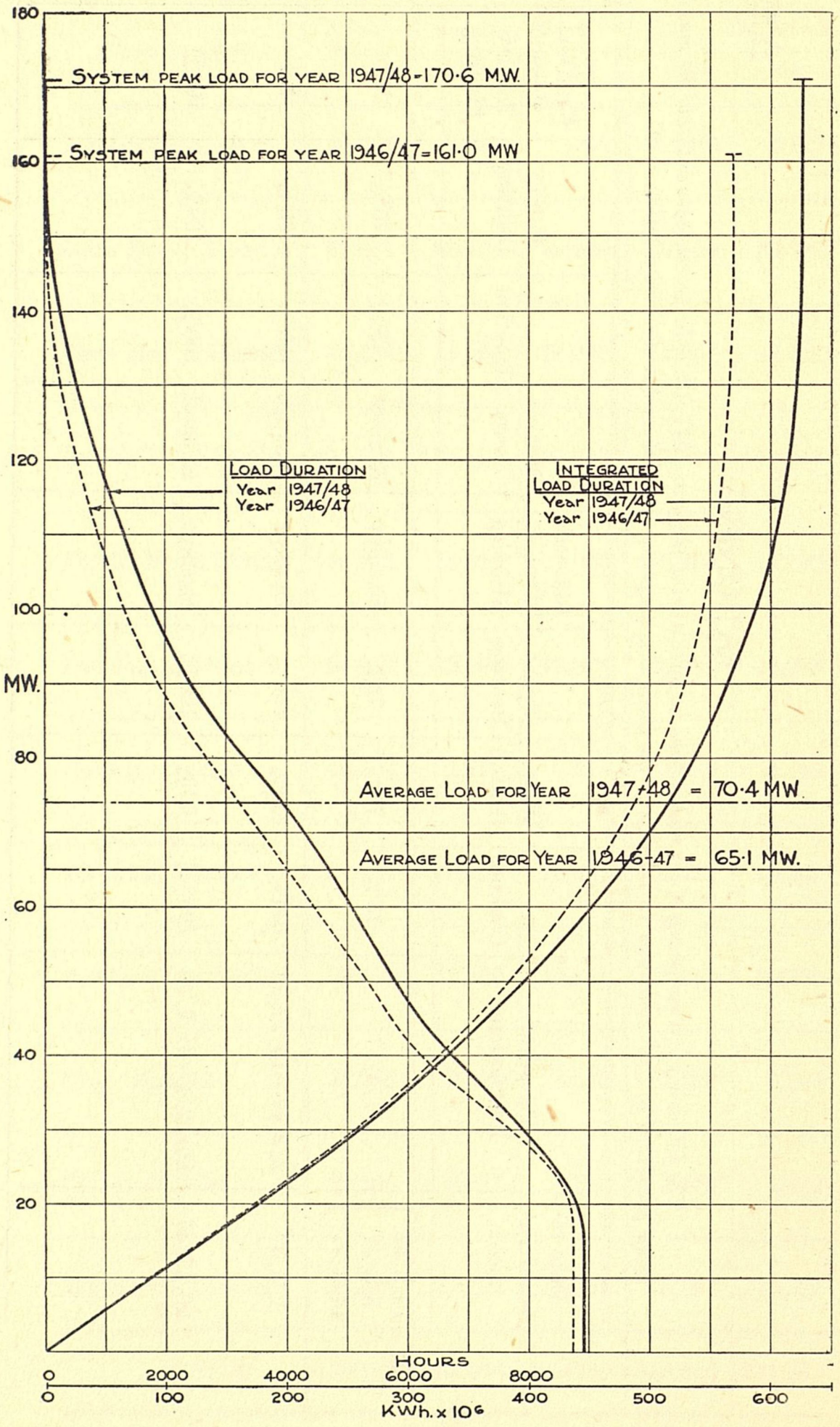
Area Supplied	Population (1936)	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1948	1947	1948	1947
Athlone District	43,732	8,984	7,834	7,249	7,123
Cork No. 1 District	99,011	20,100	18,660	20,129	20,076
Cork No. 2 District	56,277	11,860	11,087	12,683	10,162
Dublin No. 1 District	475,594	105,093	100,952	75,196	73,713
Dublin No. 2 District	106,882	28,992	27,050	16,408	15,782
Dundalk District	65,832	13,668	12,804	25,191	24,293
Galway District ...	40,406	7,770	7,215	4,619	4,464
Limerick District ...	92,229	19,710	18,424	19,729	19,300
Portlaoighise District	63,516	13,279	12,611	11,477	10,751
Sligo District ...	40,742	9,623	8,932	7,293	7,004
Tralee District ...	29,595	6,247	6,080	4,818	4,443
Waterford District	92,628	17,272	16,381	15,094	14,531
TOTALS ...	1,206,444	262,598	248,030	219,886	211,642

RATIONING

The following is a summary of the restrictions in force during the year 1947/48. *The percentages indicate the maximum usage permitted to each consumer in relation to the basic consumption recorded on his electricity ration card.*

Date of Advertisement	Period of Restrictions	Cooking	Water Heating	Space Heating	Industrial Process Heating	Motive Power	Traction	Public Lighting	Sign and Outside Display Lighting	All Other Uses
14/2/47 5/3/47 14/3/47	1/4/47	75%	75%	75%	Exempt	Exempt	75%	75%	Nil	75%
2/4/47	2/4/47—19/12/47	100%	100%	100%	Exempt	Exempt	100%	100%	Nil	100%
20/12/47	20/12/47–31/3/48	100%	100%	100%	Exempt	Exempt	100%	100%	100%	100%

GENERATION LOAD DURATION & INTEGRATED LOAD DURATION CURVES, YEAR 1947/48.



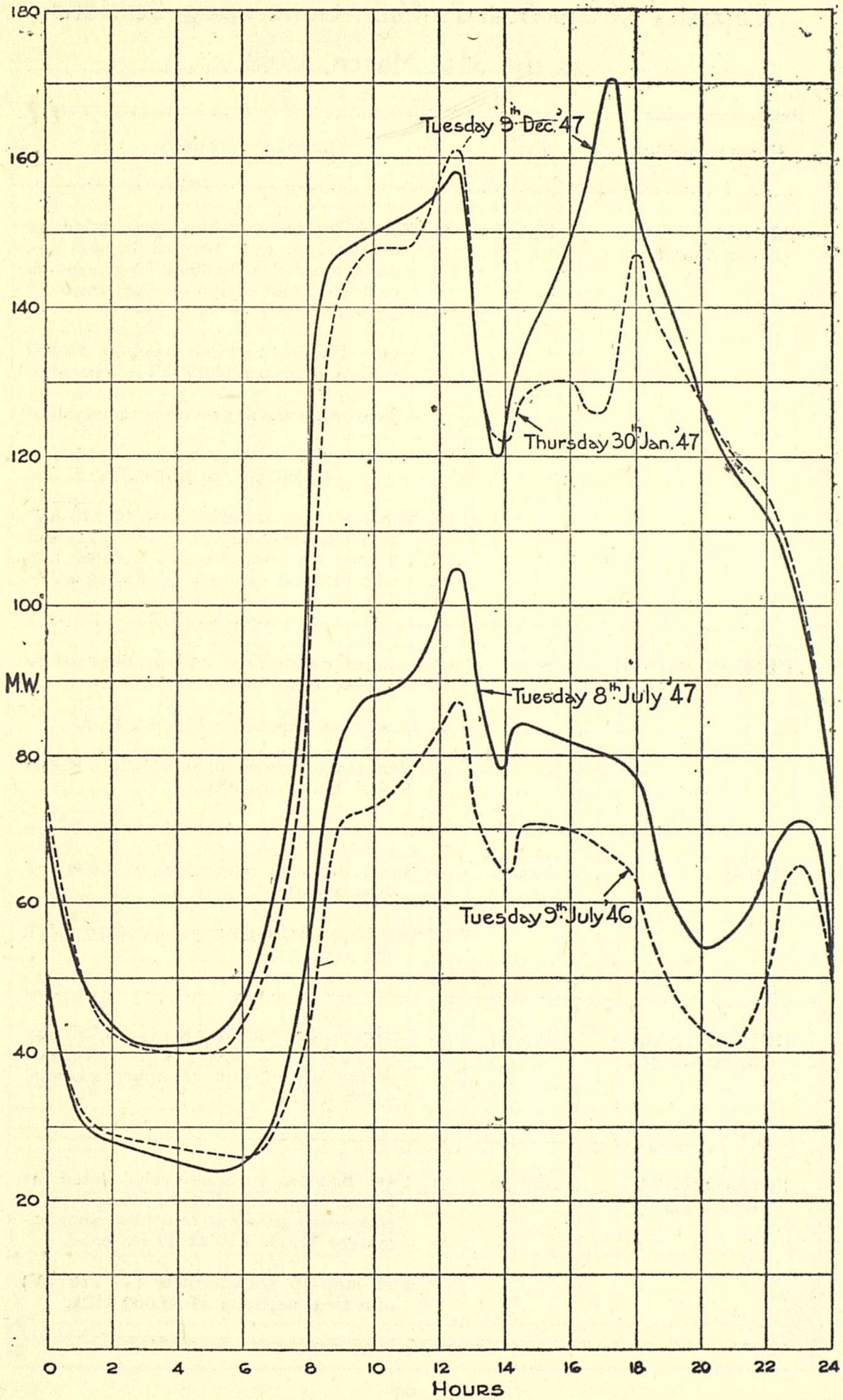
Distribution at High Tension of Units generated and purchased in bulk from the Electricity Board for Northern Ireland.—Year ended 31st March, 1948.

District, etc.		High Tension Units	Percentage of Total
Dublin City 5 kV. supply	130,006,000		
Dublin City 10 kV. supply	46,946,000		
TOTAL SUPPLY TO DUBLIN CITY ...		176,952,000	28·5
Córas Iompair Éireann (Dublin Tramways)		6,554,000	1·1
Cork City D.C. supply	11,066,000		
Cork City A.C. supply	30,414,000		
TOTAL SUPPLY TO CORK CITY ...		41,480,000	6·7
Athlone District		19,539,000	3·2
Cork No. 2 District		20,110,000	3·2
Dublin No. 2 District		69,127,000	11·2
Dundalk District		53,226,000	8·6
Galway District		11,577,000	1·9
Limerick District		45,202,000	7·3
Portlaoighise District		28,802,000	4·6
Sligo District		19,730,000	3·2
Tralee District		9,527,000	1·5
Waterford District		30,278,000	4·9
Station auxiliaries		21,866,000	3·5
High tension losses		65,995,500	10·6
Total generation of all stations	618,340,500		
Bulk supply purchased from E.B.N.I. ...	1,625,000		
Total generation of all stations plus bulk supply purchased from E.B.N.I. ...		619,965,500	100·0

Outputs (kWh) of the Board's Generating Stations and bulk supply (kWh) purchased from the Electricity Board for Northern Ireland.—Year ended 31st March, 1948.

Month (Calendar)	Ardnacrusha	Pollaphuca	Golden Falls	Pigeon House Dublin	Cork	Acquired Stations	Total of all Generating Stations	Bulk supply purchased from E.B.N.I.	Total generation and bulk supply purchased from E.B.N.I.
April ...	39,340,800	2,681,500	1,055,200	377,000	—	22,000	43,476,500	115,400	43,591,900
May ...	33,081,800	4,319,500	1,532,000	2,947,000	—	22,000	41,902,300	115,700	42,018,000
June ...	24,912,900	3,720,000	1,255,200	9,987,100	—	22,000	39,897,200	114,700	40,011,900
July ...	24,320,800	398,000	103,100	15,945,100	—	22,000	40,789,000	127,200	40,916,200
August ...	23,778,700	782,000	196,900	13,329,100	—	22,000	38,108,700	91,200	38,199,900
September	14,580,600	2,970,000	924,000	23,970,000	—	24,000	42,468,600	127,900	42,596,500
October ...	20,474,300	3,680,000	1,309,200	26,835,100	10,300	27,000	52,335,900	147,400	52,483,300
November	43,463,000	1,816,000	690,000	14,162,600	91,400	30,000	60,253,000	154,300	60,407,300
December	45,865,000	2,084,000	762,700	19,484,800	145,600	32,000	68,374,100	171,200	68,545,300
January ...	45,652,000	3,826,000	1,362,000	19,934,200	347,000	30,000	71,151,200	176,000	71,327,200
February ...	43,280,000	3,143,000	1,108,000	14,884,000	65,000	24,000	62,504,000	141,800	62,645,800
March ...	22,436,000	812,000	285,000	33,477,000	48,000	22,000	57,080,000	142,200	57,222,200
TOTALS ...	381,185,900	30,232,000	10,583,300	195,333,000	707,300	299,000	618,340,500	1,625,000	619,965,500

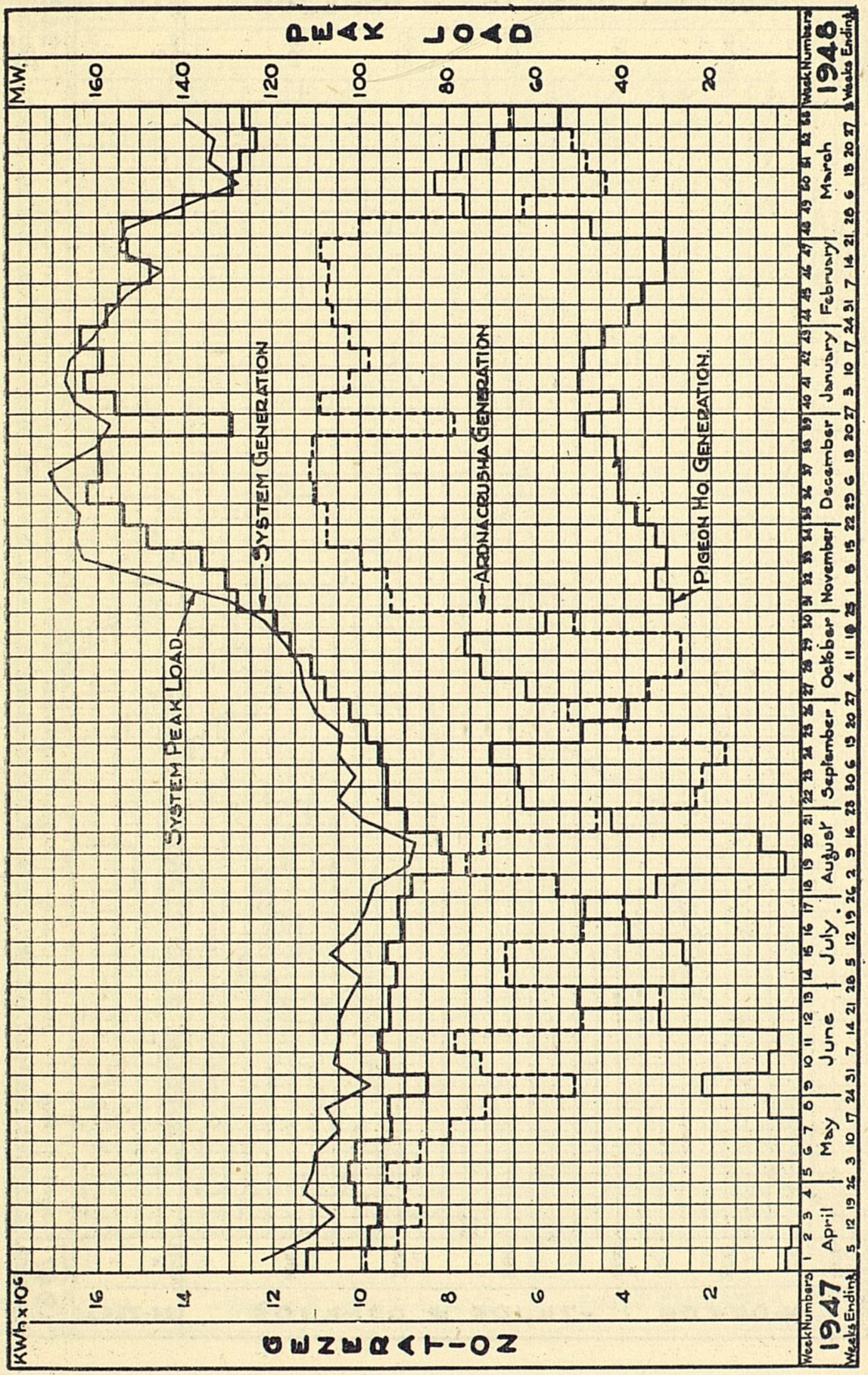
TYPICAL DAILY GENERATION LOAD CURVES, YEAR 1947/48.



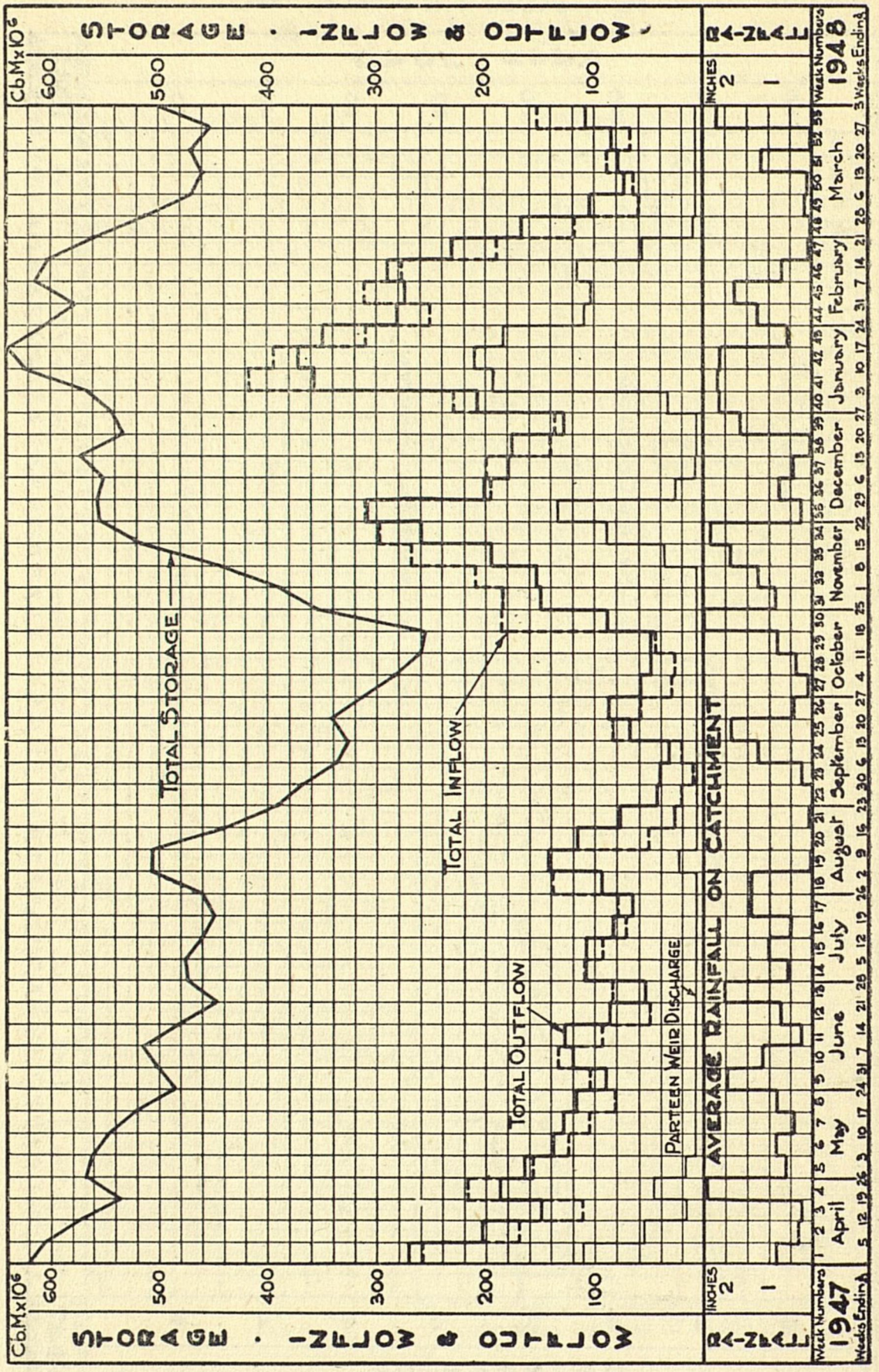
Capacity of the Board's Main Generating Stations at the 31st March, 1948.

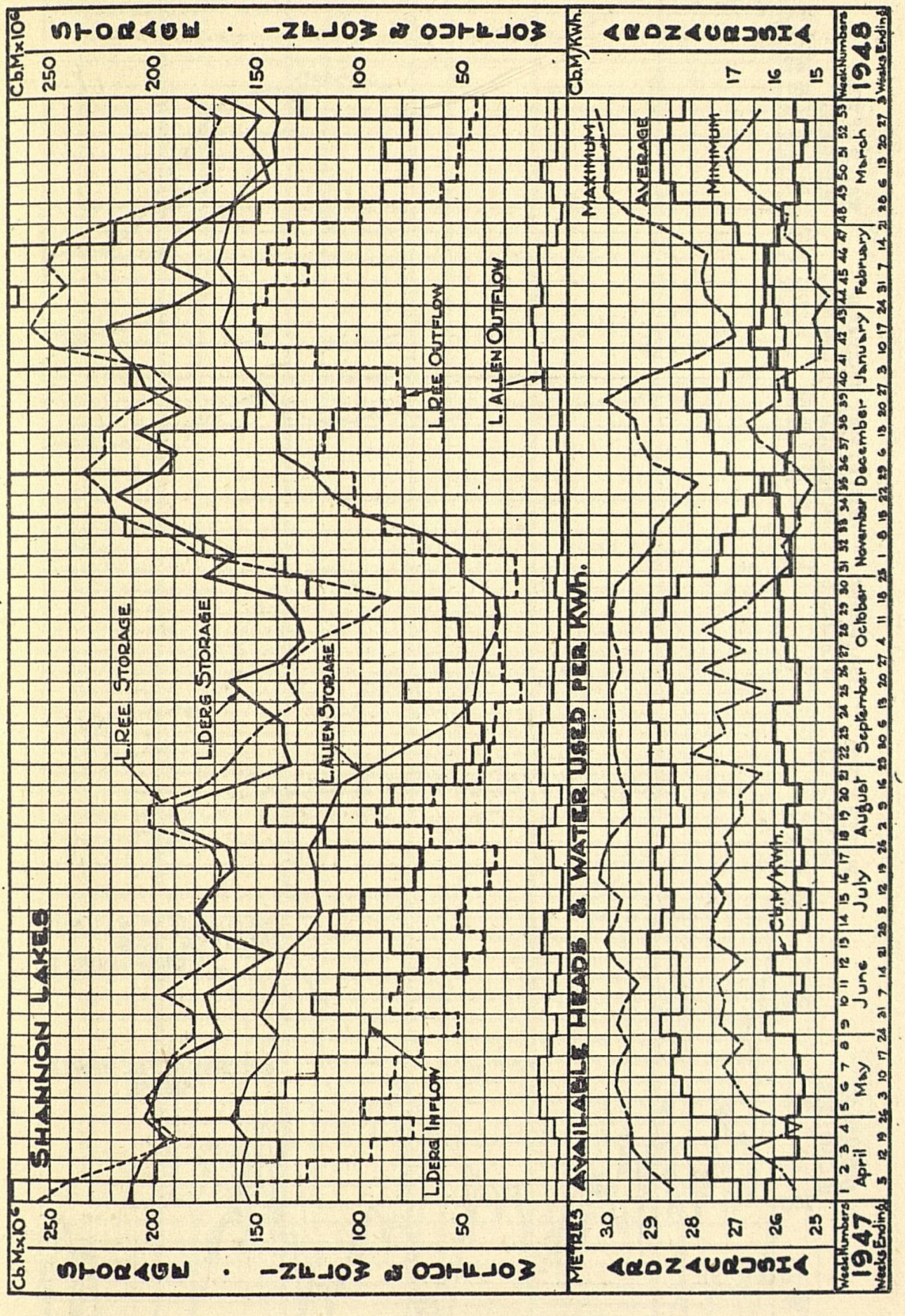
Generating Station	Type	Installed Capacity
ARDNACRUSHA (River Shannon).	Hydro	(*a*) Three Francis turbines, one rated at 34,000 h.p. and two at 30,000 h.p. each, coupled to 30,000 kVA generators each giving an output of approximately 21,000 kW. One Kaplan turbine rated at 30,000 h.p. coupled to a 25,000 kVA generator. Total capacity at generator terminals :– 90,600 kW at 28.5 m. head. 81,300 kW at 26.0 m. head. (*b*) Three 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 (Dublin)	Steam	(*a*) Normal steam capacity—approximately 1,000,000 lbs. per hour. (*b*) Generator capacity—118,000 kVA. (*c*) Five 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.).
GOLDEN FALLS (River Liffey).	Hydro	(*a*) One propeller turbine rated at 5,750 h.p. coupled to a 5,000 kVA generator giving an output of approximately. 4,000 kW.
POLLAPHUCA (River Liffey).	Hydro	(*a*) Two Kaplan turbines each rated at 21,000 h.p. coupled to 18,750 kVA generators giving an output of approximately 15,000 kW at 47 m. head. (*b*) Two step-up transformers (10/110 kV) of a total capacity of 40,000 kVA.

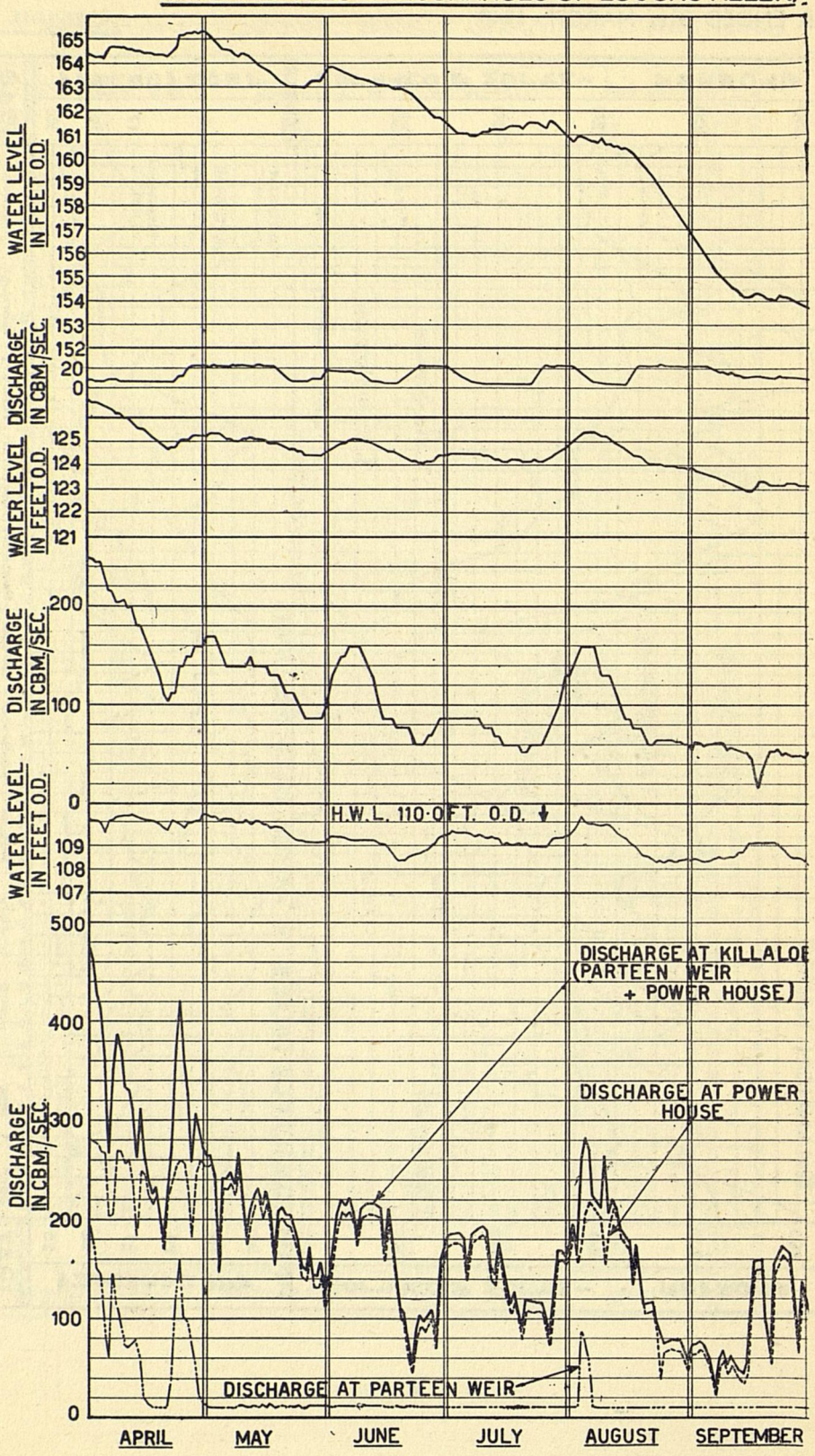
WEEKLY OUTPUTS AND PEAK LOADS, YEAR ENDED 31st MARCH, 1948.



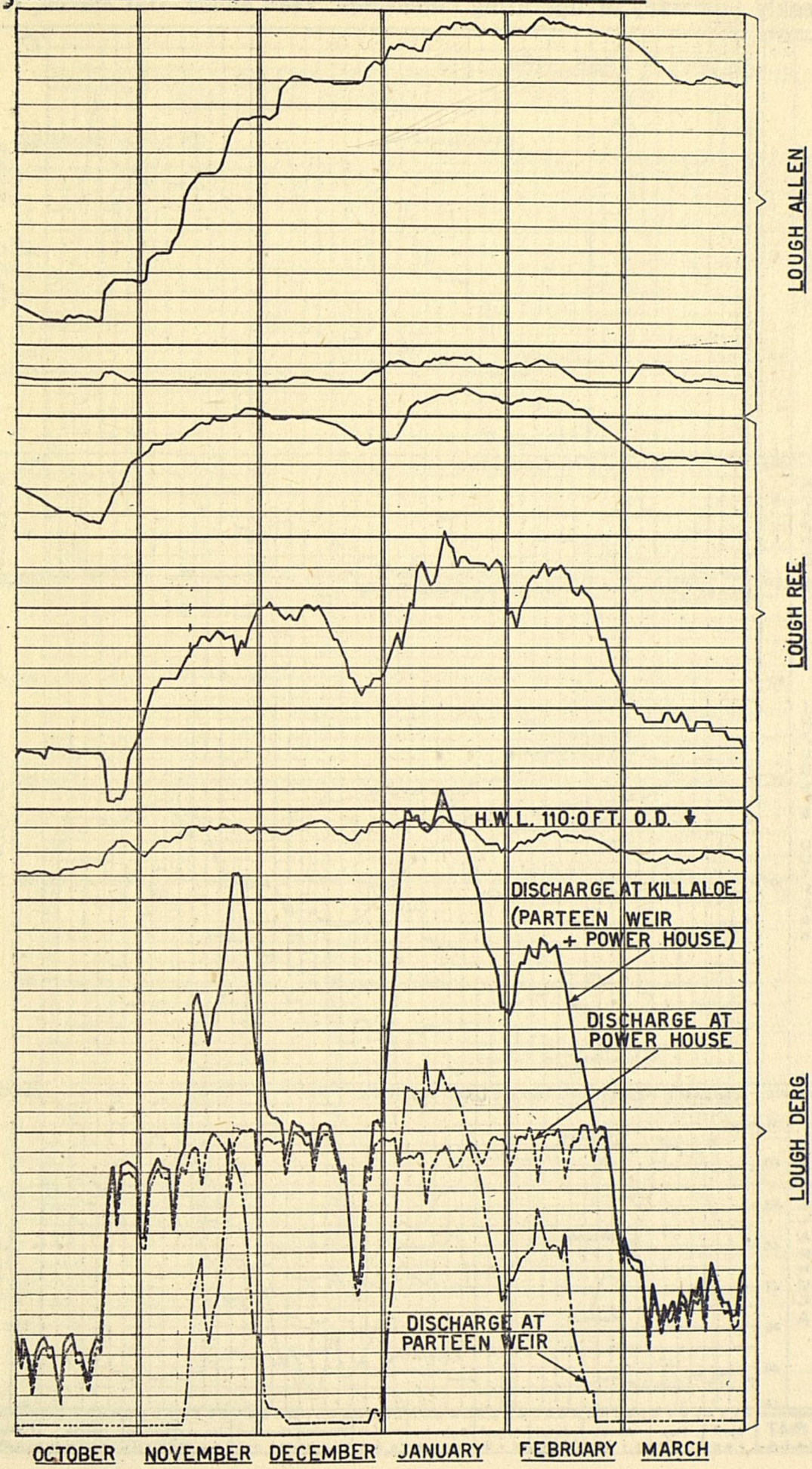
SHANNON CATCHMENT : WEEKLY OPERATING CONDITIONS,




SHANNON LAKES
STORAGES · MOFFATCO & MOFFAT-
Cb.M.x10⁶
250
200
150
100
50
L.REE STORAGE
L.DERG STORAGE
L.ALLEN STORAGE
L.DERG INFLOW
L.REE OUTFLOW
L.ALLEN OUTFLOW
AVAILABLE HEADS & WATER USED PER KWh.
METRES
30
29
28
27
26
25
Cb.M/KWh.
MAXIMUM
AVERAGE
MINIMUM
17
16
15
Week Numbers
1947
Weeks Ending
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53
April May June July August September October November December January February March
5 12 19 26 3 10 17 24 31 7 14 21 28 5 12 19 26 2 9 16 23 30 6 13 20 27 4 11 18 25 1 8 15 22 29 6 13 20 27 3 10 17 24 31 7 14 21 28 6 13 20 27 3
1948
Week Numbers
Weeks Ending

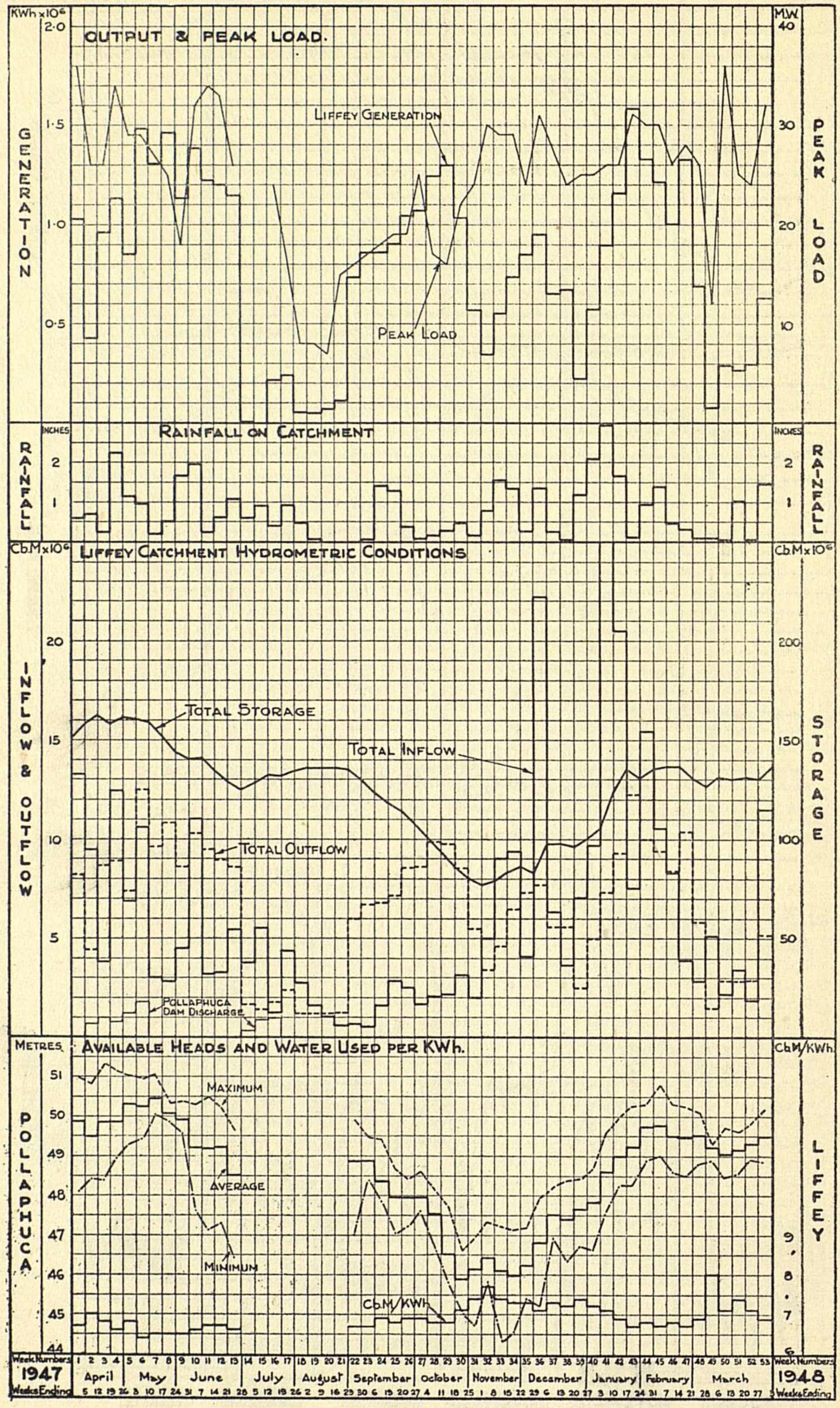

WATER LEVELS & DISCHARGES OF LOUGHS ALLEN,
WATER LEVEL IN FEET O.D.
165
164
163
162
161
160
159
158
157
156
155
154
153
152
DISCHARGE IN CBM./SEC.
20
0
WATER LEVEL IN FEET O.D.
125
124
123
122
121
DISCHARGE IN CBM./SEC.
200
100
0
WATER LEVEL IN FEET O.D.
H.W.L. 110·0 FT. O.D.
109
108
107
DISCHARGE IN CBM./SEC.
500
400
300
200
100
0
DISCHARGE AT KILLALOE (PARTEEN WEIR + POWER HOUSE)
DISCHARGE AT POWER HOUSE
DISCHARGE AT PARTEEN WEIR
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER

REE, & DERG FOR YEAR ENDING 31ST MARCH 1948.

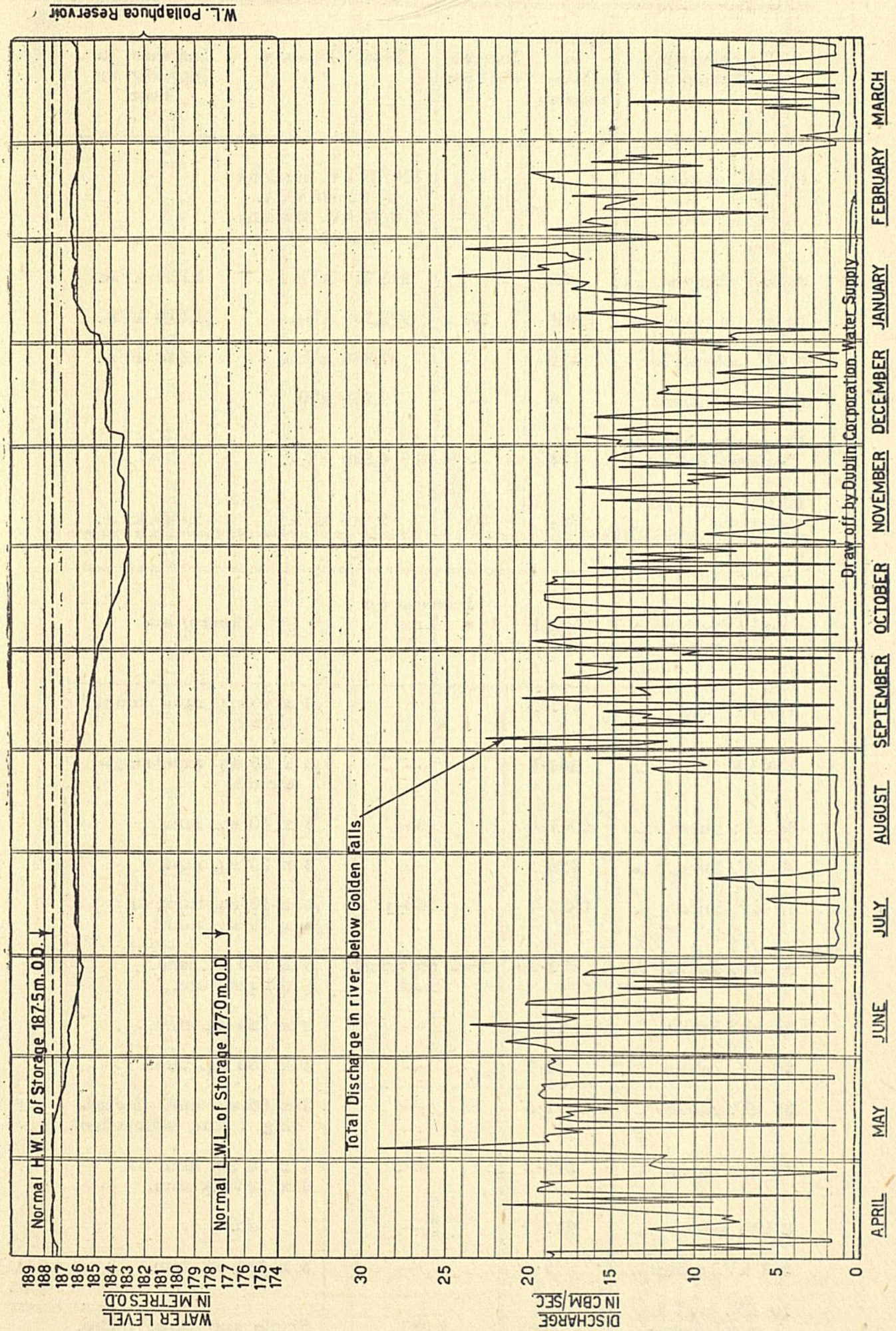


LIFFEY CATCHMENT

Weekly Summary of Operating Conditions, Year ended 31st March, 1948



WATER LEVELS & DISCHARGES OF POLLAPHUCA RESERVOIR, FOR YEAR ENDING 31st MARCH, 1948.



Transmission and Distribution Systems in Commission and under Construction at the 31st March, 1948

Transformer Station	Number in Commission	Increase for Year	Total Capacity	Increase in Capacity for Year
110 kV. stations	6	—	110/38 kV. stations =162,000 kVA. 110/10 kV. stations =22,500 kVA.	—
38 kV. stations ...	99	1	265,710 kVA.	5,220 kVA.
10 kV. substations	1,801	162	202,290 kVA.	11,010 kVA.
5 kV. substations	112	4	87,838 kVA.	1,540 kVA.
D.C. substations	6	—	9,260 kW.	—
Frequency changing substations ...	1	—	6,320 kVA.	—
10 kV. rural sub-stations ...	504	504	2,649 kVA.	2,649 kVA.

Transmission and Distribution Systems	Length km.	Increase for Year km.	Description
110 kV. lines ...	186·2	—	6 x 95 sq. mm. double circuit.
110 kV. lines ...	593·4	—	3 x 95 sq. mm. single circuit.
38 kV. lines ...	2067·0	160	3 x 50 sq. mm.
38 kV. lines ...	328·2	—	3 x 35 sq. mm.
10 kV. lines ...	3895·3	269·1	3 x 10 sq. mm. to 3 x 70 sq. mm.
38 kV. cables ...	3·5	Not previously laid.	3 x 260 sq. mm. Oil pressure.
38 kV. cables ...	68·5	—	3 x 185 sq. mm.
38 kV. cables ...	27·7	—	3 x 150 sq. mm.
38 kV. cables ...	1·5	—	3 x 95 sq. mm. (including 1 km. submarine).
10 kV. cables ...	316·3	16·3	3 x 10 sq. mm. to 3 x 185 sq. mm.
5 kV. cables ...	267·7	—	do.
3·3 kV. cables ...	3·7	—	3 x 185 sq. mm.
10 kV. and l.t. rural lines ...	1150·0	1,087	Single and three phase.

Particulars of Permitted Electricity Undertakings at 31st March, 1948.

NOTE.—In eight cases where the number of consumers is three or under, permits have also been issued.

These undertakings are not shown in the following schedule.

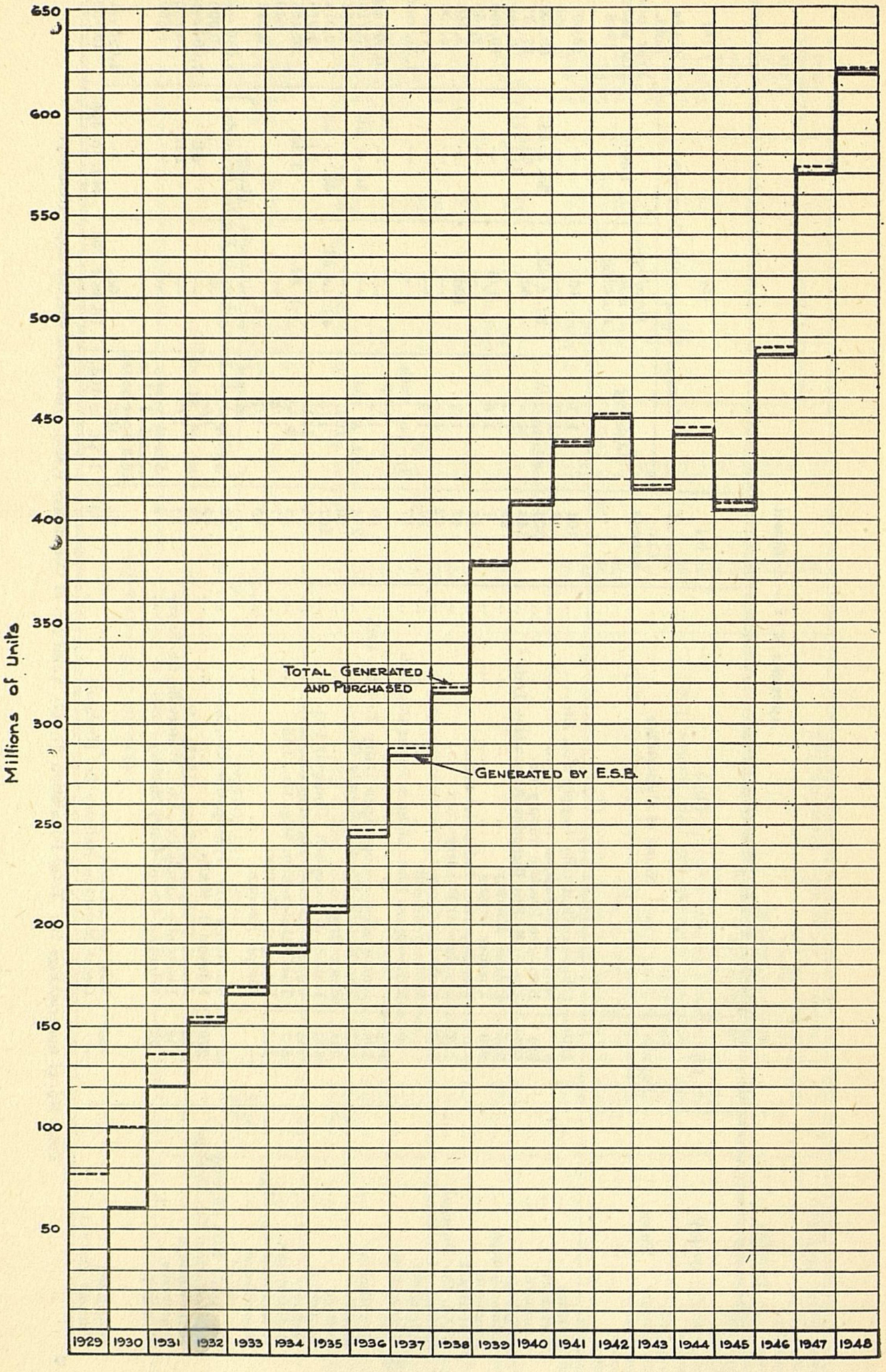
(1) Town	(2) Population	(3) Name of Undertaker	(4) No. of Consumers	(5) Normal Tariffs per Unit for			(6) Units Sold, Year ended 31st March, 1948
				Lighting	Heating and Cooking	Power	
Ardara	442	The Ardara Woollen & Industrial Co., Ltd. ...	140	1/-	3d.	—	13,083
Ardfinnan	325	Mulcahy, Redmond & Co. Ltd.	14	1/6	—	—	2,106
Aughrim	—	W. J. Byrne	5	1/-	—	—	500 estd.
Ballinlough	248	Ballinlough Electricity Supply Co.	63	1/6	1/- Miscellaneous	9d.	5,491
Ballybofey and Stranorlar	1,198	Ballybofey & Stranorlar Electric Supply Co. ...	185	1/-	—	6d.	35,202
Ballyconnell	276	William Stewart	92	1/-	—	—	10,000 estd.
Ballysodare	205	W. G. & T. Pollexfen, Ltd.	56	7½d.	3d.	3d.	16,712
Belmont	—	Robert Perry & Co. (1927), Ltd.	23	6d.	—	3d.	5,180
Belmullet	684	M. McEntyre	108	1/-	—	6d.	18,136
Boyle	2,093	George Stewart	65	7d.	1½d.	2½d.	29,190
Boyle	—	John Stewart	501	Miscellaneous 3d. to ½d. per unit 3d. to 7d. 1d. to 2d. 3d. to 4d.			279,539

(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, 1948
				Lighting	Heating and Cooking	Power	
Buncrana	2,295	The Buncrana Electric Supply Co.	441	6d. to 8d.	1½d. to 6d.	1½d. to 3½d.	233,750
Cahirciveen	1,680	The Cahirciveen E. L. & Power Co., Ltd. ...	315	10d.	6d.	6d.	41,122
Carlingford	488	The Carlingford Electricity Co., Ltd. ...	104	1/–	—	—	15,000 estd.
Carndonagh	660	Charles Kelly	202	1/–	6d.	6d.	36,650 estd.
Carrigart	115	Dermot Walsh	26	1/–	—	—	3,300 estd.
Castlebellingham ...	243	Smallwares, Ltd.	13	4d. & 6d.	—	3d.	8,669
Castlepollard	460	The Castlepollard Town Improvements Assocn. ...	100	11d.	—	11d.	19,537
Clifden	1,019	Clifden E. L. & Power Station	140	1/–	6d.	—	5,600 estd.
Clogheen	479	John Browne	91	1/2	6d.	6d.	16,528
Clonmany	123	Patrick Gallen	44	1/–	Miscellanous 6d.	—	4,900
Clonmellon	273	Clonmellon Hydro Electric Co., Ltd. ...	71	1/– to 9/– per wk. according to number of lights	—	3d.	16,000 estd.
Cloughjordan	416	Martin Gleeson	100	11d.	3d. Misc.	—	17,050
Collooney	310	W. A. G. Middleton, Ltd.	127	7½d.	1½d.	2d.	50,066
Dingle	1,800	The Dingle E. L. & Power Co.	199	8d. & 10d.	5d.	5d. & 4d.	30,877
Donegal	1,315	J. McGowan & Sons	256	1/–	6d.	5d.	74,662
Drumkeeran	232	The Drumkeeran Electricity Supply Co., Ltd.	48	1/3	—	Misc. 4d.	5,660
Drumshambo	553	C. S. Laird, Ltd.	104	8d.	2d.	2d.	34,090
Dromahair	279	Paul Jeiter	46	9d.	3d. & 1½d.	—	6,910
Dungloe	593	The Templecrone Co.-op. Agrl. Society, Ltd. ...	139	8d.	2d.	—	11,785
Dunmore, Co. Galway ...	482	Dunmore Electric Light Co., Ltd.	90	1/5	—	9d.	12,671
Emyvale	237	C. McCluskey	52	8d.	—	—	7,775
Falcarragh	—	Leo McGinley	64	1/2	—	—	5,846
Frenchpark	196	Frenchpark Electric Lighting Co. Ltd. ...	38	1/6	—	8d.	3,971
Frosses, Co. Donegal ...	—	Michael Campbell	17	1/–	—	—	1,000
Glaslough	—	David Patton	12	1/–	—	—	1,406
Glendalough	182	Messrs. Wynne	12		Included in rent		10,000 estd.
Glenmore, Co. Kilkenny ...	—	Glenmore Co-Operative Creamery, Ltd. ...	28	1/–	—	—	2,866

(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, 1948
				Lighting	Heating and Cooking	Power	
Glenties	360	Glenties Electricity Supply Co., Ltd.	104	1/1	4d.	—	13,097
Gortahork	—	Michael McFadden	6	1/3	—	—	465
Kenmare	921	Kenmare Electric Supply Co.	305	6d. to 1/–	3d. & 4d.	3d. & 4d.	59,300
Killybegs	631	The Irish Sea Fisheries Association Ltd. ...	143	1/–	6d.	6d.	17,177
Kilmacthomas	357	Patrick Kiersey	53	1/–	—	11d.	6,280
Kinnegad	270	Thomas Dunne	7	1/6	1/6	—	10,950
Letterfrack	—	The Superior, Industrial School	15	8d.	—	—	2,169
Malin, Co. Donegal ...	112	Matthew O'Doherty	47	1/3	10d.	—	3,348
Milford (Co. Donegal ...	377	McMahon Bros.	42	1/–	—	—	4,200
Milford		William Russell	30	1/3	—	—	4,292
Miltownpass	80 estd.	Miltownpass Elec. Light & Power Co., Ltd. ...	17	1/– per week per lamp	—	—	1,700 estd.
Mountbellew	284	Mountbellew Co-op. Agrl. Dairy Society, Ltd.	50	1/–	—	—	10,000 estd.
Moville	937	The Moville Electric Supply Co.	274	9d. & 10d.	—	4d. & 3d.	75,710
Pettigo	251	Shaw Bros.	70	10d.	—	—	5,758
Ramelton	924	Robert J. Campbell (Donegal) Ltd.	107	1/–	4d. to 6d.	6d. to 8d.	19,914
Raphoe	754	Raphoe Electric Lighting Co., Ltd.	88	11d.	—	9d.	13,978
Rathfarnham	657	The Rathfarnham Mfg. Co., Ltd.	14	3.6d.	3.6d.	3.3d.	30,423
Riverstown, Co. Sligo ...	225	Flanagan Thomas	7	1/6	—	—	640
Roundwood	—	Joseph Keenan	45	1/1			3,583
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)	4,050 estd.
St. Johnston, Co. Donegal	270	Edward J. White	55	1/–	—	—	10,000
Sixmilebridge	323	James O'Flynn & Sons (1945) Ltd.	39	10d., 8d., 6d., 3d.	—	4d.	7,000 estd.
Waterville	164	Electricity Supply Co., Ltd., Waterville, Co. Kerry	87	1/–	—	7d.	15,166
Windgap	72	Windgap Co-op. Dairy Society, Ltd. ...	9	Fixed yearly rental of £5 to £6.5.0 per house	—	—	1,500
Woodford	184	Mrs. John Roche	25	10d.	6d.	—	4,020 estd.
Various Districts ...	—	Great Northern Railway Co. (Ireland) ...	75	1.3d. to 10d.	1.3d. to 1.75d.	.84d. to 3½d.	40,756

Total No. of undertakings 73; Total Population 27,847; Total No. of Consumers 5,855; Units sold 468,308 approximately.

UNITS GENERATED FROM APRIL 1st, 1928 TO MARCH 31st, 1948.



ELECTRICITY (SUPPLY) ACTS.

REPORT OF PROCEEDINGS IN THE YEAR ENDED 31st MARCH, 1948, OF THE TRIBUNAL ESTABLISHED UNDER SECTION 9 OF THE ELECTRICITY SUPPLY BOARD (SUPERANNUATION) ACT, 1942.

In the year ended 31st March, 1948, the Tribunal adjudicated on ten disputes. Eight were industrial disputes and two were claims in regard to superannuation.

The industrial disputes under Section 11 were :—

(1) A dispute involving members of the Amalgamated Transport & General Workers' Union, Electrical Trades Union and Irish Engineering Industrial Union concerning the rates of pay for shift work at Fleet Street and Milltown Stations, and the shift cycle to be worked for these rates. The Tribunal decided that an increased rate should apply in respect of a 44-hour week and that the existing shift arrangements be continued.

(2) Between the Amalgamated Transport & General Workers' Union and the Board arising out of the Union's claim for improved status for Installation Inspectors, Dublin City Area. The claim was rejected by the Tribunal.

(3) Between the Irish Transport & General Workers' Union and the Board arising out of the Union's claim that a member of the Union had been passed over in favour of others with lesser service and experience. The Tribunal decided that the claim was not substantiated.

(4) Between the Irish Transport & General Workers' Union and the Board concerning the rate of pay and status of a semi-skilled labourer formerly employed as a motor-driver. The Tribunal decided that he should be paid at the revised driving rate up to the date from which his present rate of pay applied.

(5) Between the Irish Engineering Industrial Union and the Board concerning the Union's claim for an increased rate of pay for meter testers and/or mechanics employed in Rathmines Station. The Tribunal rejected the claim.

(6) & (7) Between the Irish Engineering Industrial Union and the Board concerning the rates of pay of two transferred employees. In one case the Tribunal recommended to the Board that the former differential be allowed to continue, and in the other case decided that the rate of pay be adjusted to include a fixed differential personal to the present holder.

(8) Between the Amalgamated Transport & General Workers' Union and the Board concerning the rate of pay of casual labourers employed by Operation Department on Parteen Weir, Ardnacrusha. The Tribunal decided that an increased rate of pay be applied by reference to aggregate service on the particular work at the Weir.

The two Superannuation claims under Section 13(6) were for rights to Superannuation benefits on retirement. In both cases the Tribunal made recommendations to the Board in favour of the claimants.

Three disputes in relation to rates of wages and one concerning an application for additional holidays are at present at hearing before the Tribunal.

An application has been made to the Tribunal for a further hearing of a claim for improved status.

The Tribunal is at present investigating an application for review of the pension awards made in 1943, on the grounds of increase in the cost of living.

The Tribunal accepted with regret the resignation of Mr. J. J. Donovan, Secretary of the Tribunal, and appointed Mr. D. G. Kane, Assistant Secretary, to replace him as from the 25th August, 1947.

In the course of the year ten sittings of the Tribunal were held. Mr. Patrick A. Foley, Deputy Chairman, presided at three of the sittings. Four meetings of the Ordinary Members were also held. Mr. J. O'Doherty, deputy representative of the Manual Workers, attended one of the Tribunal sittings during the absence of Mr. Cathal O'Shannon.

(Signed) D. G. KANE, *Secretary.*

(Signed) J. J. O'LEARY, *Chairman*
R. F. BROWNE, *Member.*
CATHAL O'SHANNON, *Member.*

Date : 6th May, 1948.

ELECTRICITY SUPPLY BOARD
TRANSMISSION SYSTEM

- 110 kv. Transmission Lines
- 38 kv. " "
- 10 kv. " "
- 110 kv. Transformer Stations
- 38 kv. " "
- 10 kv " "
- H Hydro Station
- S Steam "

- Projected 110 kv Transmission Lines
- H Projected Hydro Stations
- S " Steam "
- 110 kv. Transformer Stations

NORTHERN IRELAND

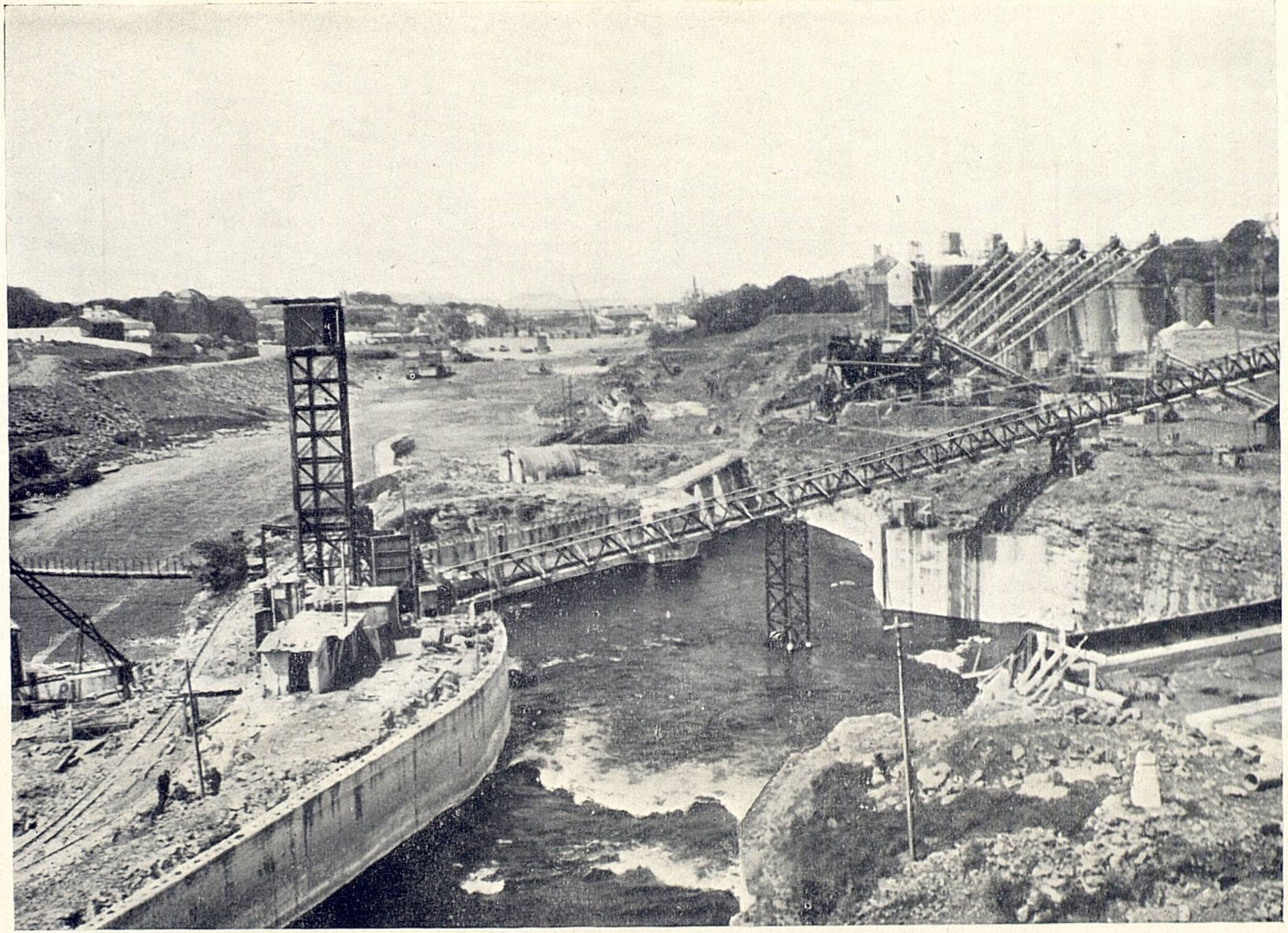
Atlantic Ocean

Irish Sea

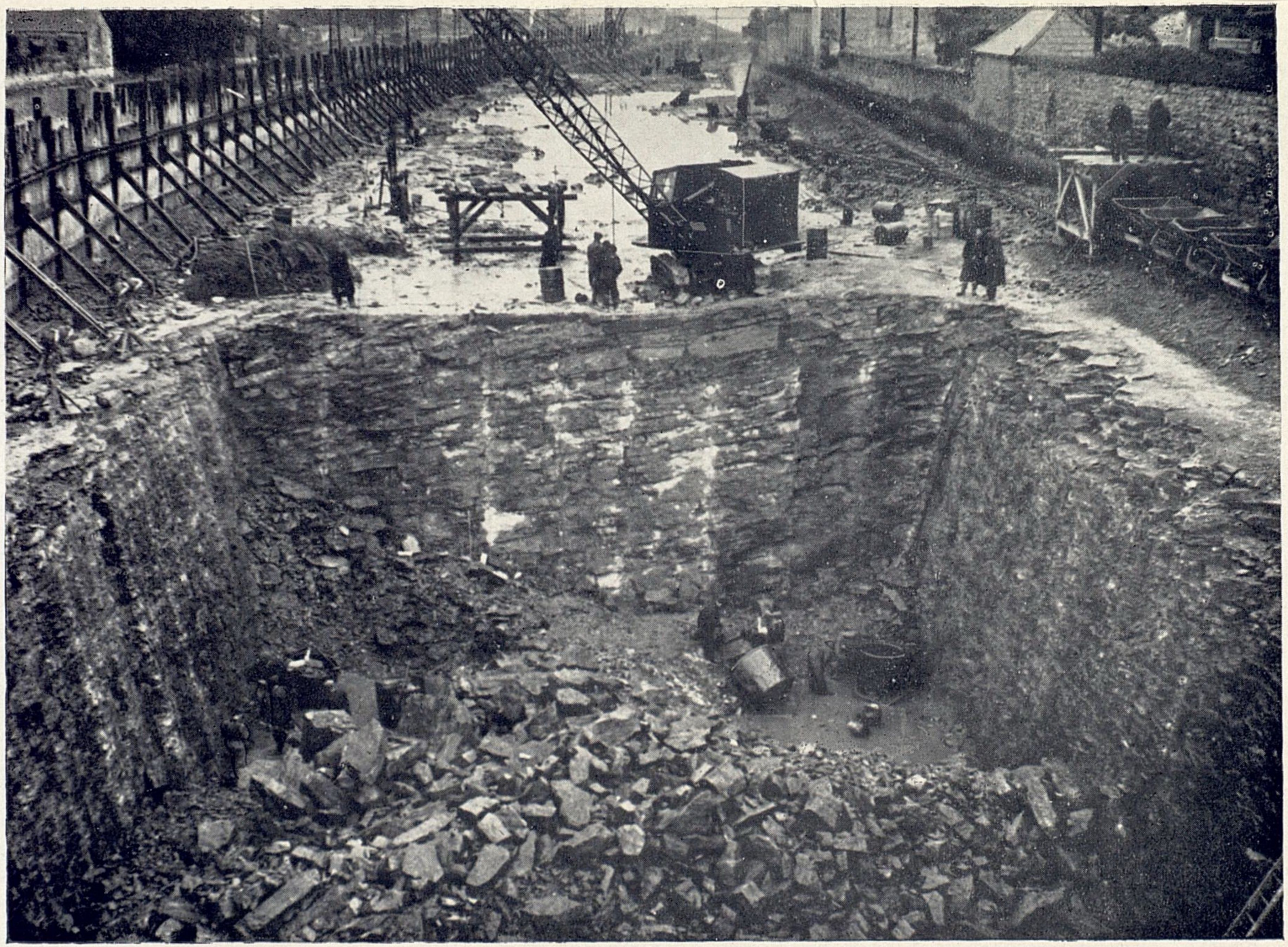
St. George's Channel

MOVILLE
BUNCRANA
LETTERKENNY
LIFFORD
CONVOY
KILLYBEGS
DONEGAL
BALLYSHANNON
CATHALEENS FALL
CLIFF
BUNDORAN
ROSSES POINT
SLIGO
MANORHAMILTON
BELMULLET
KILLALA
INISHCRONE
COLLOONEY
BALLINA
CROSSMOLINA
BALLYMOTE
ARIGNA
BELTURBET
TOBERCURRY
BALLINAMORE
FOXFORD
SWINFORD
BOYLE
LEITRIM
CAVAN
CHARLESTOWN
CARRICK ON-SHANNON
MOHILL
ARVAGH
NEWPORT
CASTLEBAR
BALLAGHADERREEN
KILTIMAGH
ELPHIN
WESTPORT
BALLYHAUNIS
CASTLEREA
STROKESTOWN
LONGFORD
GRANARD
CLAREMORRIS
BALLINROBE
ROSCOMMON
EDGEWORTHSTOWN
TUAM
BALLYGAR
BALLYMAHON
CLIFDEN
ATHLONE
AHASCRAGH
MOATE
KILBEGGAN
CLARA
GALWAY
ATHENRY
BALLINASLOE
FERBANE
TULLAMORE
LOUGHREA
BANAGHER
KILCORMAC
PORTUMNA
BIRR
GORT
LISDOONVARNA
ENNISTYMON
BORRISOKANE
MILTOWN MALBAY
ENNIS
ROSCREA
KILLALOE
NENAGH
ABBEYLEIX
DURROW
RATHDOWNEY
TEMPLEMORE
BORRISOLEIGH
ARDNACRUSHA
H
NINEANNA
LIMERICK
NEWPORT
THURLES
URLINGFORD
KILKEE
KILRUSH
CAPPAMORE
ASKEATON
FOYNES
GLIN
BALLYLONGFORD
RATHKEALE
CROOM
CAPPAGHWHITE
BRUFF
HOSPITAL
TIPPERARY
CASHEL
FETHARD
LISTOWEL
NEWCASTLE WEST
KILMALLOCK
GALBALLY
KILFINNANE
CAHIR
CLONMEL
ABBEYFEALE
CHARLEVILLE
TRALEE
CASTLEISLAND
NEWMARKET
BUTTEVANT
DONERAILE
MITCHELSTOWN
GLANWORTH
KANTURK
MALLOW
FERMOY
DINGLE
KILLORGLIN
KILLARNEY
MILLSTREET
LISMORE
CAPPOQUIN
TALLOW
DUNGARVAN
CASTLELYONS
CAHIRCIVEEN
YOUGHAL
BLARNEY
CORK
MIDLETON
MACROOM
PASSAGE
COBH
CLOYNE
SNEEM
KENMARE
CROSSHAVEN
GLENGARIFF
BANDON
KINSALE
BANTRY
DUNMANWAY
DRIMOLEAGUE
CLONAKILTY
SKIBBEREEN
PORTLAW
WATERFORD
TRAMORE
DUNMORE
NEW ROSS
WEXFORD
ROSSLARE
CARRICK ON-SUIR
SLIEVEARDAGH
CALLAN
THOMASTOWN
KNOCKTOPHER
CRAIGUENAMANAGH
FERNS
ENNISCORTHY
BORRIS
KILKENNY
BAGENALSTOWN
NEWTOWNBARRY
GOREY
CARNEW
TINAHELY
ARKLOW
CASTLECOMER
CARLOW
TULLOW
HACKETSTOWN
BALTINGLASS
RATHDRUM
RATHNEW
WICKLOW
MOUNTRATH
STRADBALLY
ATHY
PORTLAOIGHISE
MOUNTMELLICK
MONASTEREVIN
PORTARLINGTON
CLONSAST
KILDARE
NAAS
NEWBRIDGE
GOLDEN FALLS
DUNLAVIN
BLESSINGTON
POLLAPHUCA
ENNISKERRY
BRAY
GREYSTONES
MULLINGAR
MULTYFARNHAM
TRIM
ATHBOY
NAVAN
MAYNOOTH
LEIXLIP
CELBRIDGE
ALLENWOOD
EDENDERRY
DAINGEAN
DUBLIN
PIGEON HOUSE
DUN LAOGHAIRE
DUNDALK
CARRICKMACROSS
BLACKROCK
MONAGHAN
CLONES
BALLYBAY
CASTLEBLAYNEY
COOTEHILL
CAVAN
BAILIEBORO
KINGSCOURT
ARDEE
BALLYJAMESDUFF
VIRGINIA
OLDCASTLE
KELLS
DROGHEDA
BALBRIGGAN
SKERRIES
RUSH
LUSK
SWORDS
MALAHIDE
NORTH WALL
HOWTH
BALLYCOTTON

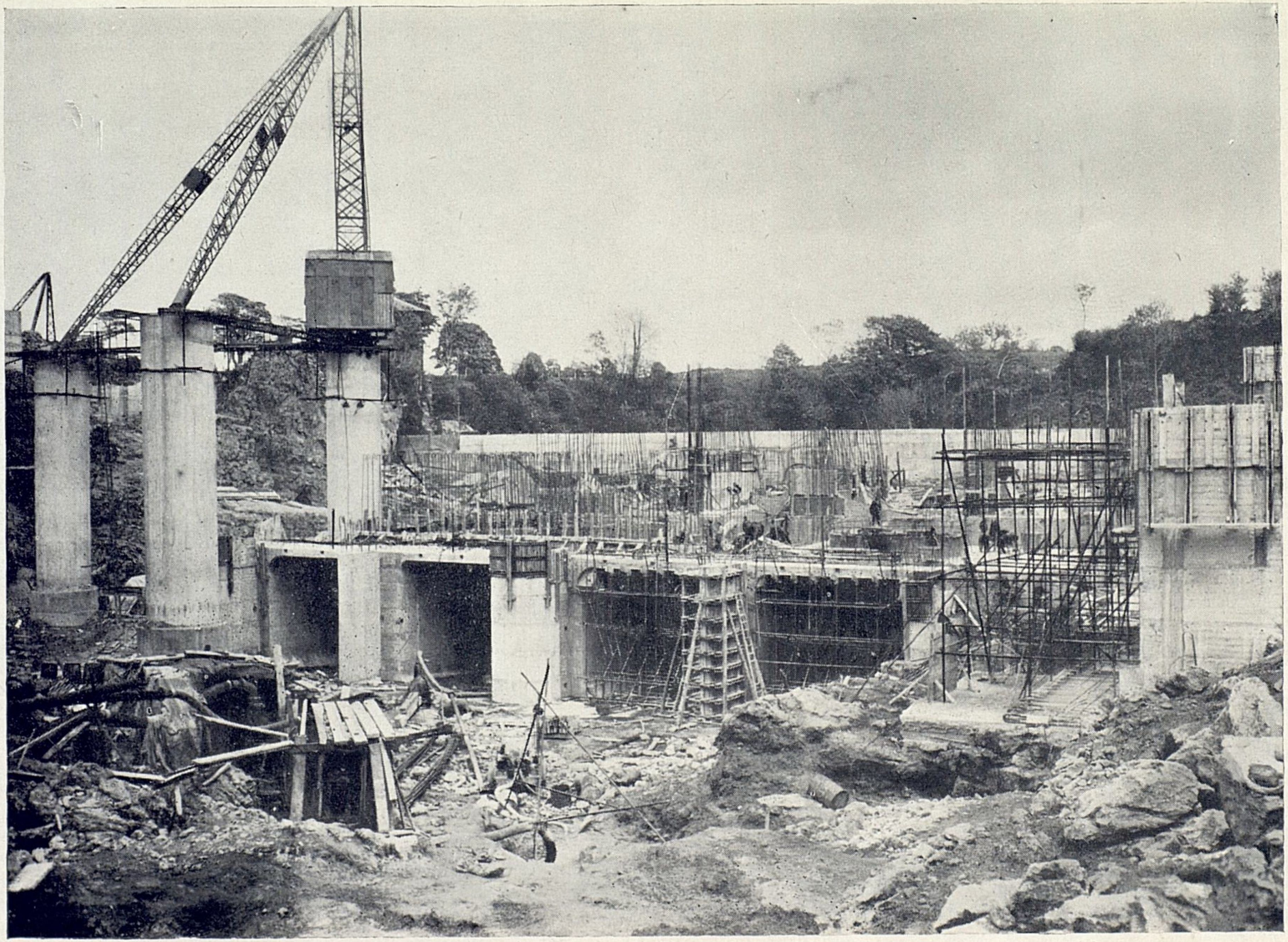
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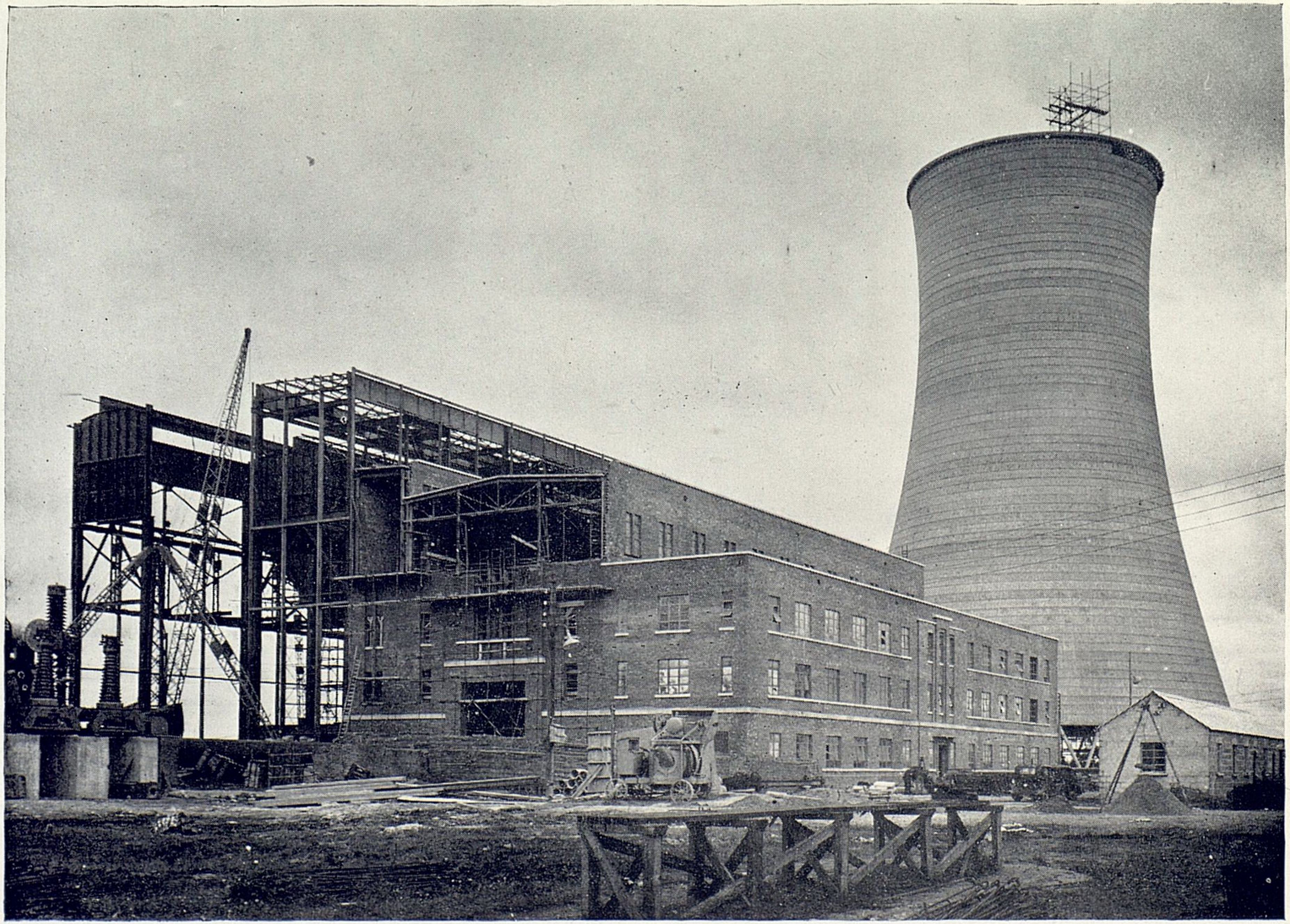
ERNE DEVELOPMENT—RIVER DIVERSION CHANNEL FOR CONSTRUCTION OF CATHALEEN'S FALLS DAM AND POWER STATION



ERNE DEVELOPMENT—EXCAVATION OF TAIL RACE AT BALLYSHANNON



[ERNE DEVELOPMENT—CONSTRUCTION OF CLIFF POWER STATION



PORTARLINGTON—STATION BUILDING AND COOLING TOWER

ACCOUNTS

No. 1 **INSTALLATIONS TRADING ACCOUNT**

Dr.

	£	£	Year 1946/47
To Cost value of work for which credit had not been taken at 31st March, 1947		46,328	24,305
,, Cost of installation work carried out during the year		144,380	103,720
,, Gross profit, carried down		35,550	26,346
		£226,258	£154,371
To Salaries, wages and state insurance ...	18,063		
,, Travelling expenses	1,061		
,, Rents and rates	218		
,, Sundry expenses	947		
,, General overhead expenses and interest, as apportioned	6,531		
		26,820	21,538
,, Balance carried to Net Revenue Account ...		8,730	4,808
		£35,550	£26,346

No. 2 **MERCHANDISE TRADING ACCOUNT FOR**

Dr.

	£	£	Year 1946/47
To Cost value of transactions for which credit had not been taken at 31st March, 1947 ...		16,941	8,381
,, Cost of goods issued as sales		131,531	80,566
,, Sundry costs in connection with sales ...		9,862	4,746
,, Gross profit, carried down		32,372	23,038
		£190,706	£116,731
To Salaries, wages, commission and state insurance	6,020		
,, Travelling expenses	244		
,, Rents and rates	472		
,, Sundry expenses	599		
,, General overhead expenses and interest, as apportioned	6,547		
		13,882	11,657
,, Balance, carried to Net Revenue Account ...		18,490	11,381
		£32,372	£23,038

FOR THE YEAR ENDED 31st MARCH, 1948.

Cr.

		Year 1946/47
	£	£
By Credit taken for contracts completed and charged	156,981	108,043
„ Cost value of work for which credit has not yet been taken	69,277	46,328
	£226,258	£154,371
By Gross profit brought down	35,550	26,346
	£35,550	£26,346

THE YEAR ENDED 31st MARCH, 1948.

Cr.

		Year 1946/47
	£	£
By Credit taken for sales	153,102	99,791
„ Cost value of transactions for which credit has not yet been taken	37,604	16,940
	£190,706	£116,731
By Gross profit brought down	32,372	23,038
	£32,372	£23,038

No. 3 — ELECTRICITY REVENUE ACCOUNT FOR

Dr.

	£	£	Year 1946/47 £
To GENERATION :			
Operating expenses	153,303		
Fuel	863,028		
Maintenance and repair	190,523		
Transfer to depreciation reserve ...	100,000		
Supervision and local administration	58,777		
		1,365,631	1,087,117
„ ELECTRICITY PURCHASED IN BULK ...		8,776	6,617
„ TRANSMISSION :			
Operating expenses	22,350		
Maintenance and repair	49,048		
Transfer to depreciation reserve ...	102,000		
Supervision and local administration	53,169		
		226,567	208,324
„ DISTRIBUTION :			
Operating expenses	284,658		
Maintenance and repair	134,317		
Transfer to depreciation reserve ...	144,000		
Supervision and local administration	302,633		
		865,608	772,106
„ GENERAL ADMINISTRATION :			
Board, Secretariat and Consultants	57,826		
Engineering	82,186		
Accounting	81,863		
Audit fee	1,500		
Sales promotion and publicity ...	39,025		
General expenses	64,162		
Transfer to depreciation reserve—general assets	4,000		
	330,562		
Less : apportionment charged to other accounts and to capital works	27,146		
		303,416	270,751
„ Provision for bad debts		5,700	1,000
„ Depreciation of stocks of material		3,962	6,868
„ BALANCE, carried to Profit and Loss Account		1,106,819	1,255,856
		£3,886,479	£3,608,639

THE YEAR ENDED 31st MARCH, 1948.

Cr.

	£	£	Year 1946/47 £
By Charges for Electricity, Etc.:			
General consumers ...	3,701,448		
Public lighting	110,485		
Meter and other rents ...	50,768		
		3,862,701	3,588,550
„ Miscellaneous revenue		23,778	20,089
		£3,886,479	£3,608,639

No. 4 ELECTRICITY PROFIT AND LOSS ACCOUNT FOR

Dr.

	£	£	Year 1946/47 £
To Interest payable to the Minister for Finance	674,636		
,, Interest on loans and loan-stocks of acquired undertakings	11,215		
,, Other interest	293,269		
	979,120		
Less : apportionment charged to other accounts and to capital works	46,600		
		932,520	909,636
,, Loan-stock management charges		39	51
,, Gross contributions to loan-stock sinking funds of acquired undertakings		13,325	17,559
,, Reserves, being the amount of capital repaid or provided for repayment in respect of—			
advances from the Minister for Finance	93,556		
acquired undertakings	477		
		94,033	89,525
,, Premium at which loan-stock was redeemed ...		1,840	352
,, Balance, carried down		76,585	250,528
		£1,118,342	£1,267,651
,, 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	1,589
,, Balance, carried to Net Revenue Account ...		74,996	248,940
		£76,585	£250,529

No. 4a ELECTRICITY NET REVENUE ACCOUNT

Dr.

	£	Year 1946/47 £
To Balance, carried down	102,216	265,130
	£102,216	£265,130
To Balance, brought forward from last year's account	122,392	387,522
	£122,392	£387,522
To Balance, brought down	£20,176	

THE YEAR ENDED 31st MARCH, 1948.

Cr.

		Year 1946/47
	£	£
By Balance transferred from Revenue Account ...	1,106,819	1,255,856
„ Loan-stock sinking funds' investment income	6,908	6,994
„ Interest receivable	4,615	4,801
	£1,118,342	£1,267,651
By Balance, brought down	76,585	250,529
	£76,585	£250,529

FOR THE YEAR ENDED 31st MARCH, 1948.

Cr.

			Year 1946/47
	£	£	£
By Balance transferred from Profit and Loss Account		74,996	248,940
„ Installations trading profit	8,730		
„ Merchandise trading profit	18,490		
		27,220	16,190
		£102,216	£265,130
By Balance, brought down		102,216	265,130
„ Balance, carried down		20,176	122,392
		£122,392	£387,522

No. 5 — ELECTRICITY CAPITAL ACCOUNT FOR

Dr.

	Total to 31st March, 1947 less amounts written off	Expenditure during year to 31st March, 1948 less amounts written off	Total to 31st March, 1948 less amounts written off
	£	£	£
To Generation : physical assets	7,676,458	260,494	7,936,952
„ Transmission : physical assets	3,839,994	70,025	3,910,019
„ Distribution : (*a*) physical assets ...	4,603,735	365,268	4,969,003
(*b*) other capital expenditure	583,952	27,680	611,632
„ General : (*a*) physical assets ...	433,513	186,994	620,507
(*b*) other capital expenditure	307,941	2,170	310,111
	£17,445,593	£912,631	18,358,224
„ Non-Classified Expenditure : New works in progress ...			3,262,755
		Total ...	21,620,979
			£21,620,979

THE YEAR ENDED 31st MARCH, 1948.

Cr.

	Total Receipts to 31st March, 1947 less redemptions	Receipts during year to 31st March, 1948 less redemptions	Total Receipts to 31st March, 1948 less redemptions
	£	£	£
By Local Authority Undertakings :			
Loans and loan-stocks ...	49,818	(—) 35,074	14,744
,, Minister for Finance :			
Advances under the Electricity (Supply) Acts and 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 ...	13,233,475	2,656,445	15,889,920
Total ...	£13,283,293	£2,621,371	15,904,664
By Balance			5,716,315
			£21,620,979

No. 6 **ELECTRICITY BALANCE SHEET**

Dr.

LIABILITIES.			31/3/1947
		£	£
To Receipts, as per Capital Account ...		15,904,664	13,283,293
„ Sundry Creditors		1,433,286	590,694
„ Loans under the Electricity Supply Board (Superannuation) Act, 1942 from the Trustees of	£		
General Employees Superannuation Fund	283,900		
Manual Workers Superannuation Fund	227,400		
		511,300	384,400
„ Non-Repayable moiety of advances for the electrification of rural areas made by the Minister for Finance under section 41 of the Electricity (Supply) (Amendment) Act, 1945 ...		275,000	25,000
„ Amount reserved in respect of sinking funds for loan-stocks of acquired undertakings ...		3,373	24,645
„ Amounts reserved in respect of capital loans repaid, capital recepits non-repayable and sale of assets, together with additional amounts reserved for depreciation and retirement of assets, less assets retired		7,466,331	6,618,279
„ Capital Assets Adjustment Reserve representing surplus arising from re-valuation		270,297	270,297
	£		
„ Reserves : Amount provided by acquired undertakings	77,898		
Other reserves and provisions ...	27,371		
		105,269	106,983
		£25,969,520	£21,303,591

AS AT 31st MARCH, 1948.

Cr.

ASSETS.			31/3/1947
		£	£
By CAPITAL ASSETS, as per CAPITAL ACCOUNT ...		21,620,979	18,699,488
,, STOCKS ON HAND AND IN TRANSIT		2,508,780	1,018,281
,, COST VALUE OF INSTALLATIONS WORK AND SALES FOR WHICH CREDIT HAS NOT BEEN TAKEN ...		151,257	74,693
,, SUNDRY DEBTORS, after providing for bad and doubtful debts		1,286,074	978,904
,, SHANNON FISHERIES, temporary advances ...		35,397	29,965
,, CASH IN HAND AND WITH BANKS		343,484	355,223
,, SINKING FUNDS (held by local authorities) for loan-stocks :	£		
Investments (at cost)	2,444		
Cash not invested	929		
		3,373	24,645
,, DEFICIENCY, as per NET REVENUE ACCOUNT ...		20,176	122,392
		25,969,520	£21,303,591

No. 7. **SHANNON FISHERIES TRADING ACCOUNT**

Dr.

		Year 1946/47
	£	£
To Operation, maintenance and repair	6,565	5,733
,, Cost of fish purchased	8	88
,, Fishery rates	3,713	3,552
,, General management and overhead expenses	1,779	1,483
,, Transfer to depreciation reserve	1,004	1,004
,, Balance, carried to Profit and Loss Account ...	5,313	—
	£18,382	£11,860

No. 8 **SHANNON FISHERIES PROFIT AND LOSS**

Dr.

			Year 1946/47
		£	£
To Balance, brought from Trading Account ...		—	2,580
,, Interest :	£		
Payable to the Minister for Finance	8,639		
Apportioned in respect of temporary advances from Electricity Funds	700		
Other interest	66		
		9,405	9,240
,, Reserve, being amount of capital repaid in respect of advances from Minister for Finance ...		1,262	1,201
		£10,667	£13,021
To Balance, brought down		5,354	13,021
,, Balance, brought forward from last year's account		63,098	50,077
		£68,452	£63,098
To Balance, brought down		£68,452	

FOR THE YEAR ENDED 31st MARCH, 1948.

Cr.

		Year 1946/47
	£	£
By Sales of fish, letting of fishing rights and miscellaneous receipts	18,382	9,280
„ Balance, carried to Profit and Loss Account	—	2,580
	£18,382	£11,860

ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1948.

Cr.

		Year 1946/47
	£	£
By Balance, brought from Trading Account ...	5,313	—
„ Balance, carried down	5,354	13,021
	£10,667	£13,021
By Balance, carried down	68,452	63,098
	£68,452	£63,098

No. 9. SHANNON FISHERIES CAPITAL ACCOUNT

Dr.

	Total to 31st March, 1947	Expenditure during year to 31st March, 1948	Total to 31st March, 1948
	£	£	£
To Fishery rights and fisheries ...	93,352	182	93,534
„ Works to preserve fisheries ...	33,338	—	33,338
„ Other capital expenditure ...	21,091	—	21,091
	£147,781	£182	147,963
„ Non-classified expenditure : New works in progress ...	...	... ...	970
			148,933
„ Balance	...	... ...	23,214
			£172,147

No. 10. SHANNON FISHERIES BALANCE SHEET

Dr.

LIABILITIES		31/3/1947
	£	£
To Receipts, as per Capital Account	172,147	173,409
„ Electricity Funds, temporary advances ...	35,397	29,965
„ Amounts reserved in respect of capital loans repaid and for depreciation and retirement of assets ...	10,742	8,410
	£218,286	£211,784

FOR THE YEAR ENDED 31st MARCH, 1948.

Cr.

	Total Receipts to 31st March, 1947 less redemptions	Redemptions during year to 31st March, 1948	Total Receipts to 31st March, 1948 less redemptions
	£	£	£
By Minister for Finance :			
Advances under the Shannon Fisheries Act, 1935 ...	173,408	1,261	172,147
			£172,147

AS AT 31st MARCH, 1948.

Cr.

ASSETS.		31/3/1947
	£	£
By Capital assets, as per Capital Account ...	148,933	147,788
,, Stock of material	768	683
,, Sundry debtors	119	158
,, Cash in hand and with Bank	14	57
,, Deficiency, as per Profit and Loss Account ...	68,452	63,098
	£218,286	£211,784

		Total Receipts to 31st March, 1948
UNDER ELECTRICITY ACTS		
Local Authority Undertakings :		£
Loans and loan-stocks		740,955
Liability under section 39 (7) of the Electricity (Supply) Act, 1927		15,066
Minister for Finance :		
Advances—		
under the Electricity (Supply) Act, 1927—	£	
section 12 (2)	156,000	
section 12 (3)	1,903,688	
under the Electricity (Supply) (Amendment) Acts, 1931 to 1945, and the Liffey Reservoir Act, 1936	8,479,882	
to the Shannon Power Development Fund applicable, as determined under section 15 of the Electricity (Supply) Act, 1927, to the Shannon Works handed over ...	6,030,066	16,569,636
		£17,325,657
UNDER SHANNON FISHERIES ACTS.		
Minister for Finance :—		
Advances—		
under the Shannon Fisheries Act, 1935		180,000
		£17,505,657

AND REDEMPTION THEREOF TO THE 31st MARCH, 1948

Redeemed			Balance of Capital Receipts Outstanding at 31st March, 1948
Total to 31st March, 1947	During year to 31st March, 1948	Total to 31st March, 1948	
£	£	£	£
691,138	35,073	726,211	14,744
15,066	—	15,066	—
586,160	93,556	679,716	15,889,920
£1,292,364	£128,629	£1,420,993	£15,904,664
6,591	1,262	7,853	172,147
£1,298,955	£129,891	£1,428,846	£16,076,811

No. 12 **GENERAL BALANCE SHEET**

Dr.

LIABILITIES.	£	£	31/3/1947 £
To Receipts :			
per Electricity Capital Account	15,904,664		
per Shannon Fisheries Capital Account	172,147		
		16,076,811	13,456,701
,, Sundry Creditors		1,433,286	590,695
,, Loans under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
General Employees Superannuation Fund	£ 283,900		
Manual Workers Superannuation Fund	227,400		
		511,300	384,400
,, Non-repayable moiety of advances for the electrification of rural areas made by the Minister for Finance under section 41 of the Electricity (Supply) (Amendment) Act, 1945 ...		275,000	25,000
,, Amount reserved in respect of sinking funds for loan-stocks of acquired undertakings ...		3,373	24,645
,, 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		7,477,073	6,626,689
,, Capital Assets Adjustment Reserve representing surplus arising from re-valuation		270,297	270,297
	£		
,, Reserves : Amount provided by acquired undertakings	77,898		
Other reserves and provisions	27,371		
		105,269	106,983
		£26,152,409	£21,485,410

R. F. BROWNE, *Chairman.*

PATRICK J. DEMPSEY, *Secretary.*

AS AT 31st MARCH, 1948.

Cr.

ASSETS.	£	£	31/3/1947 £
By Capital Assets :			
per Electricity Capital Account	21,620,979		
per Shannon Fisheries Capital Account	148,933		
		21,769,912	18,847,277
„ Stocks on Hand and in Transit ...		2,509,548	1,018,963
„ Cost Value of Installations Work and Sales for which Credit has not been taken ...		151,257	74,693
„ Sundry Debtors, after providing for bad and doubtful debts		1,286,193	979,061
„ Cash in Hand and with Banks		343,498	355,280
„ Sinking Funds (held by local authorities) for loan-stocks :	£		
Investments (at cost)	2,444		
Cash not invested	929		
		3,373	24,645
„ Deficiency :	£		
per Electricity Net Revenue Account	20,176		
per Shannon Fisheries Profit and Loss Account	68,452		
		88,628	185,491
		£26,152,409	£21,485,410

JOSEPH FOGARTY, *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, 1948, 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.

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, 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 sale of electricity, and this amount has been charged to Revenue Account.

Depreciation has been charged in the Revenue Account, on the Capital Assets referred to as physical assets in the Capital Account, on the same basis as heretofore.

KENNEDY, CROWLEY & CO.,
Auditors.

4 and 5 WESTMORELAND STREET,
DUBLIN, 1*st July*, 1948.

Alex. Thom & Co., Ltd.