TWENTY-EIGHTH
ANNUAL REPORT
OF THE
ELECTRICITY
SUPPLY BOARD
IRELAND
FOR THE YEAR ENDED
MARCH 31st
1955

INCLUDING REPORT ON FISHERIES

(Pr. 3022)$_L$

PRICE ONE SHILLING

TWENTY-EIGHTH
ANNUAL REPORT
OF THE
ELECTRICITY
SUPPLY BOARD
IRELAND
FOR THE YEAR ENDED
MARCH 31st
1955

INCLUDING REPORT ON FISHERIES

(PR. 3022). PRICE ONE SHILLING

TWENTY-EIGHTH

ANNUAL REPORT

OF THE

ELECTRICITY SUPPLY BOARD

IRELAND

FOR THE YEAR ENDED

MARCH 31st

1955

ALEX. THOM & CO., LTD., DUBLIN.

ELECTRICITY SUPPLY BOARD

R. F. BROWNE, *Chairman*

J. M. FAY, B.E., M.Sc.

T. A. McLAUGHLIN, D.Sc., B.E.

Part-time members :

J. P. DIGBY

T. MacMAHON, B.E., B.Sc.,

HENRY KENNEDY, M.A., D.Sc.

J. A. RYAN

Secretary :

PATRICK J. DEMPSEY, B.L.

Chief Engineer :

P. G. MURPHY, B.Sc., M.E., M.I.E.E., M.I.Mech.E.

Chief Accountant :

JOSEPH FOGARTY, B.Comm., A.C.A.

Head Office :

27, LOWER FITZWILLIAM STREET, DUBLIN, IRELAND

ELECTRICITY SUPPLY BOARD

REPORT AND ACCOUNTS

YEAR ENDED 31st MARCH, 1955

(Including Report on the Fisheries)

CONTENTS

REPORT—	Page
Finance and Accounts	5
Capital	6
Borrowing Powers	7
Sale of Electricity and Number of Consumers ...	7
Analysis of Units Sold	8
Sales of Appliances	9
Consumers' Installations	9
Generation	9
Generating Stations	10
Main Transmission System	14
Transmission and Distribution Systems	15
Rural Electrification	15
Water Storage and River Control	17
Water Power Investigations and Hydrometric Survey	18
Wind Power Investigations	18
Premises	19
Permitted Undertakings	19
Superannuation Schemes	19
Tribunals to Determine Disputes	20
Staff	20
FISHERIES	21
APPENDICES	*1*
ACCOUNTS	*41*

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, 1955.

The total units generated amounted to 1,458 millions, compared with 1,292 millions in the previous year. The increase of 166 million units was 12·8%. The year was one of exceptionally heavy rainfall, and 779 million units were generated at the hydro-electric stations, as against 590 million units in a year of average rainfall. The production from water power was a record, and resulted in a saving of approximately £500,000 on fuel compared with a year of average water conditions.

The total production was obtained as follows :—

Water Power	...	53·4%
Sod Peat	...	20·0%
Oil/Coal	...	26·6%
Total	...	100%

The total installed generating capacity of the system was increased from 382 MW to 452 MW by the addition of the Marina (Cork) Steam Station (60 MW) and the installation of a second 10 MW generating set in Cliff hydro-electric station.

There was an increase of £1,005,106 in the sales of electricity to give a total revenue of £9,522,261. In this the revenue under the Rural Electrification Scheme was £1,817,915, or 19% of the total. The increase in the rural revenue in the year was £412,310.

Having made provision for interest, repayment of advances and plant renewal, there was a surplus of £883,409.

The summarised revenue and expenditure figures are :—

	Year ended 31st March, 1955. £	Year ended 31st March, 1954. £
Gross Revenue	9,565,256	8,555,420
Working Expenditure on wages, fuel and other materials and Overheads	4,915,852	5,289,600
Working surplus	4,649,404	3,265,820

This surplus has to bear the following capital charges :—

Provision for plant renewal ...	1,539,000	1,227,000
Interest	1,826,323	1,446,494
Repayment of advances ...	400,672	359,117
Leaving as a result of the year's operations a surplus of ...	883,409	233,209

By the addition of profits on merchandise and installation trading, the surplus is increased to £928,659 to which the balance of £61,412 forward from last year has been added. Of this total, £300,000 has been transferred to increase the Contingencies Reserve to £1,000,000, £500,000 has been placed to a Fuel Equalisation Reserve, the Income Tax Reserve has been increased by £100,000 and payments totalling £43,639, in commutation of Pigeon House " walking time " rights, have been written off. A balance of £46,432 remains on the Nett Revenue Account carried forward to next year.

The allocation to the Fuel Equalisation Reserve is a logical consequence of the favourable hydro conditions of the year, and is regarded as a necessary provision against dry years. The Contingencies Reserve has been brought to a figure which had long been an objective. The continuance of a right to " walking time " at Pigeon House carried over at the time of the acquisition of the Station created certain staff problems and it was, accordingly, decided, with the agreement of the men concerned, to commute the payment.

Expenditure on fuel was less than in the previous year by £442,958, but other costs increased by £802,594. Of this, £421,384 related to interest and capital repayments, and £312,000 to plant renewal.

CAPITAL

At 31st March, 1955, the net balance available towards the replacement of wasting assets was £12,728,065. The policy of continuing provisions as long as plant remains in commission is being maintained.

The value of plant brought into commission was £8,975,771, as compared with £7,183,040 during the preceding year. The total investment in assets in productive use at the end of the year was—

	£
Generation	24,755,988
Transmission	10,882,785
Distribution	22,081,214
Premises, Equipment, Transport, etc.	1,939,092
	£59,659,079

In addition, expenditure of £12,866,456 has been incurred on new capital works still under construction at the end of the year. The total fixed capital investment, therefore, was approximately £72 millions.

The capital for development throughout the years has been provided mainly by Government advances, of which £2,444,635 has been repaid leaving an outstanding balance of £50,403,001 at the end of the year. Other sources from which moneys were provided were non-repayable receipts, £7,866,240, and capital reserves, including amounts from the depreciation reserve, £14,880,618.

Under the Rural Electrification Scheme the total investment of capital was £12,854,024. Recently the Board was informed that the 50% subsidy would not continue and that legislation would be introduced to this end. It has also been intimated that the removal of the subsidy would be retrospective in effect so that a sum of approximately £4,800,000 which appears as a non-repayable receipt in the present accounts will become a liability on the passing of the legislation.

BORROWING POWERS

The Electricity (Supply) (Amendment) Act, 1954, authorises direct borrowing by the Board. It is likely that an issue to provide capital for future development will be made to the public in the autumn of 1955.

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 twenty-six years are shown in the following table :—

Year ended 31st March	Units generated (and purchased) millions	Units sold millions	Revenue from sales of energy thousands	Average price in pence per unit sold	Total consumers
			£		
1930 ...	60·948	43·177	478	2·66	48,606
1931 ...	119·843	85·500	735	2·06	69,045
1932 ...	151·844	110·677	939	2·04	78,511
1933 ..	166·076	120·099	1,044	2·09	83,052
1934 ...	185·383	138·503	1,150	1·99	91,267
1935 ...	206·106	156·964	1,258	1·92	103,037
1936 ...	244·099	187·016	1,430	1·84	116,704
1937 ...	284·118	218·758	1,584	1·74	130,483
1938 ...	314·477	244·460	1,725	1·69	145,230
1939 ...	377·637	295·259	1,901	1·54	160,382
1940 ...	406·999	318·552	1,946	1·47	172,545
1941 ...	435·864	345·231	2,072	1·44	183,747
1942 ...	450·412	357·252	2,183	1·47	200,419
1943 ...	414·363	328·052	2,224	1·63	210,475
1944 ...	442·893	346·938	2,426	1·68	222,013
1945 ...	406·273	319·010	2,458	1·85	228,008
1946 ...	483·626	379·094	3,062	1·94	237,136
1947 ...	571·876	453·655	3,589	1·90	248,030
1948 ...	619·966	492·149	3,863	1·88	262,598
1949 ...	710·215	569·257	4,344	1·83	284,198
1950 ...	784·776	626·174	4,774	1·83	310,639
1951 ...	972·951	770·377	5,584	1·74	343,376
1952 ...	1,032·697	835·326	6,531	1·88	372,743
1953 ...	1,163·616	929·641	7,628	1·97	402,395
1954 ...	1,295·520	1,051·746	8,517	1·94	435,985
1955 ...	1,461·736	1,192·172	9,522	1·92	461,901*

* Amended figure.

Appendix I gives details of the numbers of consumers and certain other particulars relating to supply

ANALYSIS OF UNITS SOLD

The following table gives an analysis of the units sold in the main categories of supply :

Class of Supply	Units Sold		Increase millions	Percentage increase
	Year ended 31st March, 1955 millions	Year ended 31st March, 1954 millions		
Domestic ...	479·403	428·179	51·224	12·0
General Lighting	70·316	65·281	5·035	7·7
General Heating, Cooking and Water Heating, (excluding Night Storage Heating) ...	126·716	111·855	14·861	13·3
Night Storage Heating ...	75·366	61·815	13·551	21·9
Motive Power ...	401·383	349·363	52·020	14·9
Public Lighting	26·872	25·333	1·539	6·1
Traction ...	0·273	0·285	—0·012	—4·2
Miscellaneous ...	11·843	9·635	2·208	22·9
Totals ...	1,192·172	1,051·746	140·426	13·4

SALES OF APPLIANCES

The sales of appliances amounted to £662,542, as compared with £460,837 in the preceding year. The rate of gross profit was 21·8%. The Merchandise Trading Account, having been charged with overhead expenses and interest on working capital, showed a profit of £20,668.

CONSUMERS' INSTALLATIONS

The credit taken for contracts completed and invoiced for work carried out amounted to £429,302, as compared with £321,030 for the preceding year. The rate of gross profit was 19·6%. Having debited to the Installations Trading Account overhead expenses and interest on working capital, there was a net profit of £24,582.

GENERATION

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

Station	Year ended 31st March, 1955			Year ended 31st March, 1954
	Generated million units	Station use million units	Sent out million units	Sent out million units
Ardnacrusha ...	398·699	2·987	395·712	278·269
Cliff ...	68·956	1·002	67·954	47·335
Cathaleen's Fall	246·787	2·004	244·783	167·714
Pollaphuca ...	32·664	0·682	31·982	15·915
Golden Falls ...	12·789	0·112	12·677	6·483
Leixlip ...	19·211	—	19·211	10·288
Portarlington	129·234	8·331	120·903	141·992
Allenwood ...	161·769	10·930	150·839	183·090
Pigeon House	100·129	10·182	89·947	261·436
North Wall ...	134·838	9·242	125·596	122·143
Marina (Cork)	152·964	8·571	144·393	—
Purchased ...	3·696	—	3·696	3·625
Totals ...	1,461·736	54·043	1,407·693	1,238·290
Maximum daily generation, million units		5·776		5·166
Maximum generated load, in kW		348,000		314,000

The units generated and purchased showed an increase of 166·216 million units, or 12·8% over the preceding year and the annual load factor, on the basis of units generated, was 47·8%. The 3,696,000 units purchased included 1,897,000 units from the Electricity Board for Northern Ireland.

For reference purposes the following information is given in the appendices :—

Generation load duration, and integrated load duration curves ...	Appendix III
Monthly output of the generating stations	Appendix V
Performance of generating plant ...	Appendix VI
Particulars of the generating plant ...	Appendix VII
Typical daily generation load curves ...	Appendix VIII
Weekly generation and peak loads ...	Appendix IX
Weekly operating conditions—	
(a) Shannon catchment ...	Appendix XI
(b) Erne catchment	Appendix XIII
Annual generation from 1st April, 1930 to 31st March, 1955 ...	Appendix XVIII

GENERATING STATIONS

The total installed capacity of the Board's generating plant at the 31st March, 1955, amounted to 452,500 kW comprising 264,500 kW of steam plant and 188,000 kW of hydro-electric plant. New stations which will increase the generating capacity by 376,000 kW were under construction or planned as follows :—

	kW	Probable Commissioning Year
Ringsend (coal or oil-fired) ...	90,000	1955-56
Ferbane (peat-fired)	60,000	1956-57
Four hand-won peat-fired stations	20,000	1956-57
Lee (hydro)	27,000	1957
Arigna (coal-fired)	15,000	1957
Clady (hydro)	4,000	1957
Lanesborough (peat-fired) ...	20,000	1957-58
Rhode (Derrygreenagh) (peat-fired)	40,000	1958
Bellacorick (Oweniny) (peat-fired)	40,000	1959
Blackwater (peat-fired) ...	40,000	1959
Bangor Erris (peat-fired) ...	20,000	1960
Total ...	376,000	

The first set in the new steam station at Marina, Cork, was commissioned on 1st April, 1954, and the second set on 27th July, 1954. These sets are 30,000 kW each and are the largest installed in the system to date. They operate at a pressure of 600 lb./sq. in. and at a temperature of 850° F. Steam is supplied by three boilers suitable for burning coal or oil.

Particulars of the generating plant and of the performance of the plant are given in the Appendices, and an analysis of the cost of generation appears in the Accounts.

Details of the stations under construction and planned are set out hereunder :—

HYDRO-ELECTRIC STATIONS :

River Erne (Co. Donegal). (Cliff : 2—10,000 kW sets. Cathaleen's Fall : 2—22,500 kW sets.)

The installation of the final set of 10,000 kW at Cliff was completed and the set was in commission on the 21st December, 1954. Satisfactory progress was maintained on the further specified works towards the improvement of the drainage and the power possibilities of the River Erne in connection with the full development of the river being carried out under the agreement of the 4th September, 1950, between the Minister of Finance for Northern Ireland and the Board.

Approximately three-quarters of the work on the dredging of the river channel between Belleek and Lower Lough Erne was carried out. The construction of the new weir at Portora, Enniskillen, for the regulation of the level of Upper Lough Erne and of the new road bridge at Belleek was well advanced.

River Lee (Co. Cork) : (Inniscarra : 1—15,000 kW and 1—4000 kW sets : Carrigadrohid : 1—8,000 kW set.)

The river diversion channel at Inniscarra and the construction of the portion of the dam, which it was necessary to erect before the river could be diverted, were completed and the river was diverted early in the year. Satisfactory progress was maintained on the concreting of the power station.

At Carrigadrohid four blocks of the dam had been concreted to the full height. The stilling basin below the sluices was constructed. The second stage in the coffer damming of the river was finished and the river was diverted. Excavation for the power station and the adjoining blocks of the dam was in progress, and about half of the excavation of the tail race was complete.

The construction of the new Roove's Bridge was almost complete, and work proceeded on Bealaghlashin and Lee Bridges. Satisfactory progress was maintained in the miscellaneous road works around the reservoir area.

Most of the generating plant for both stations was delivered, and the remaining parts were in the course of manufacture. The programme for the manufacture of the transformers and switchgear was being maintained.

Both stations will be commissioned about 1957.

River Clady (Co. Donegal). (Clady : 1—4,000 kW set.)

A contract for the civil construction works was placed in April, 1954, and work commenced on the site in May, 1954. Excavation of the head race canal and of a diversion channel,

in preparation for the construction of the weir across the Clady River at Bryan's Bridge, was in progress. The excavation for the foundations for the Cung Dam at the mouth of Dunlewy Lough was almost complete.

Orders were placed for the turbine, generator and steel penstock, and tenders were received for the electrical equipment.

The programme aims at completion of the station in 1957.

STEAM STATIONS :

Ringsend (Dublin). (3—30,000 kW sets. Coal or Oil.)

The portion of the buildings, including the engine house and boiler house, for the first two sets was almost complete. The foundations for the extension of the buildings to accommodate the third set were complete to ground level and erection of the structural steelwork was about to commence. The construction of the cooling water pump house and the intake and outlet culverts was complete. Work was in progress on the outfall to the cooling water system. The chimney was erected to the full height and the brick lining was proceeding. The control building, 38 kV station and 110 kV outdoor station were all substantially complete.

The erection of the boiler and turbine plant was nearly complete, and the erection of the transformers and switchgear well advanced.

It is expected that the first and second sets will be ready for commissioning in 1955, and the third set in 1956.

Ferbane (Co. Offaly). (3—20,000 kW sets. Milled Peat.)

The foundations for the station buildings were complete to ground level. The structural steel framework for the station buildings, offices and stores had been erected. The erection of the walls and floors was in progress. The excavation of the foundations for the turf handling equipment had commenced. The first cooling tower was concreted to a height of 235 feet and the second to a height of 20 feet.

Two of the turbo sets, main transformers and part of the switchgear were delivered, and the third set was tested at the manufacturer's works. Part of the boiler plant had arrived on site, and erection of number 1 boiler was commenced.

It is expected that this station will be commissioned in 1956/57.

Four Hand-won peat-fired Stations.

Miltown-Malbay (Co. Clare). Screeb (Co. Galway).

Cahirciveen (Co. Kerry). Gweedore (Co. Donegal).

(Each station 1—5,000 kW set.)

Construction work was commenced at Miltown-Malbay in May, 1954. All foundation work was completed to ground level and boiler erection had begun.

At Screeb construction work began in June, 1954, and foundations for the power station buildings were completed to ground level. Work on auxiliary foundations for the peat hoppers, syphon box, etc., was in progress and boiler erection was due to commence.

Construction work at Cahirciveen was commenced in August, 1954. The piling for the foundations was complete and the construction of the foundations to ground level in progress. At Gweedore the civil construction works were about to be commenced.

Progress in the manufacture of the plant for these stations was well maintained and it is expected that all four stations will be ready by 1956/57.

Lanesborough (Co. Longford). (1—20,000 kW set. Sod Peat.)

A contract for the whole of the civil construction works was placed in February, 1955, and work on the site was commenced in the middle of March, 1955.

Progress was maintained in the manufacture of the main items of generating plant, and tenders were received for the electrical equipment.

The programme aims at commissioning the station in 1957/58.

Rhode (Derrygreenagh) (Co. Offaly). (2—20,000 kW sets. Milled Peat.)

Contracts had been placed for the boilers and generating sets, and specifications were in prepartaion for the electrical equipment.

This station will be in operation in 1958.

Arigna (Co. Leitrim). (1—15,000 kW set. Coal.)

The civil construction works were about to be commenced.

Orders for the boiler, generating set and switchgear were placed and it is anticipated that the station will be completed in 1957.

Bellacorick (Oweniny) (Co. Mayo). (2—20,000 kW sets. Milled Peat.)

Design work was in progress and tenders were received for the boiler and generating sets and it is intended to have the station in operation in 1959.

Blackwater (Co. Offaly). (2—20,000 kW sets. Milled Peat.)

Preparation of plans was in progress and it is expected that this station will be completed about 1959.

Bangor Erris (Co. Mayo). (1—20,000 kW set. Milled Peat.)

Site investigation and preliminary design work were in progress with a view to having the station in commission in 1960.

MAIN TRANSMISSION SYSTEM

(a) 110 kV Overhead Lines :

The construction of the seventy miles of line from the Tralee 110 kV station to the Kilbarry 110 kV station at Cork was completed and the line was put into commission. The fifteen mile branch line to Dunmanway and the thirty-five mile line from Galway 110 kV station to Claremorris were erected and commissioned at 38 kV.

The Allenwood-Inchicore line was altered for about three and a half miles near Baldonnel Aerodrome to provide greater clearance from the new extended runways.

A branch line to the new 110 kV station near Carrickmines, Co. Dublin, was almost completed, and work was started on the construction of a line to Cahirciveen, Co. Kerry.

The survey of a line from the new Ferbane generating station to Portlaoise 110 kV station was finished. The conductor on this line will be 425 sq.mm. steel-cored aluminium, equivalent to 226 sq.mm. of copper.

(b) 110 kV Transformer Stations :

At Inchicore the replacement of old 38kV circuit breakers was completed. The stations at Wexford and Kilkenny were continued in commission on a temporary basis.

The second 15 MVA transformer at Drogheda was replaced by a 30 MVA unit and the stations at Galway and Tralee were completed with the installation of a second 15 MVA transformer in each.

Constructional work was started on the new stations at Portlaoise and Carrickmines. Satisfactory progress was maintained on the stations at Wexford, Kilkenny and Cahir.

(c) 38 kV Overhead Lines :

Sixty-nine and a half miles of 38 kV line were erected including a line from Letterkenny to Buncrana. Five miles of line were retired from service.

(d) 38 kV Stations :

Fourteen 38 kV stations were completed and commissioned :—

Buncrana, Co. Donegal.
Clonakilty, Co. Cork.
Carrick-on-Suir, No. 2, Co. Tipperary.
Castleblayney, Co. Monaghan.
Clady (Gweedore), Co. Donegal.
Drogheda South, Co. Louth.
Kimmage, Dublin.
Kells, Co. Meath.
Macroom, Co. Cork.
Newcastle West, Co. Limerick.
Portarlington, Laois.
Roscommon, Co. Roscommon.
Rosbercon, Co. Wexford.
Sallynoggin, Co. Dublin.

(e) Underground Cables :

About a quarter of a mile of 185 sq.mm. solid type 38 kV cable was laid to the new 38 kV station at Kimmage.

TRANSMISSION AND DISTRIBUTION SYSTEMS

The following extensions and alterations to the high tension and low tension networks were carried out :—

(1)	Low tension overhead mains erected ...	40·4 miles
(2)	Low tension overhead mains reconstructed or strengthened	20·3 ,,
(3)	Low tension underground mains installed	10·7 ,,
(4)	10 kV underground cables installed ...	30·1 ,,
(5)	10 kV underground cables retired from service	3·1 ,,
(6)	5kV underground cables retired from service	Nil
(7)	10 kV overhead distribution lines erected (excluding Rural Lines)	85·8 ,,
(8)	10 kV overhead distribution lines retired from service	10·1 ,,
(9)	38 kV overhead transmission lines erected	69·5 ,,
(10)	38 kV overhead transmission lines retired from service	5·0 ,,
(11)	38 kV underground cables installed ...	1·5 ,,
(12)	110 kV overhead transmission lines erected	124·6 ,,
(13)	110 kV overhead transmission ines retired from service	3·8 ,,
(14)	Rural lines erected	4,977·0 ,,

One hundred and eighty-four 10 kV and fifteen 5 kV transformer stations were completed and fourteen 10 kV transformer stations were retired from service.

Appendix XIV tabulates the data for the transmission and distribution systems at the end of the year. A map and a diagram showing the existing and projected transmission lines and stations will be found in Appendices XIX and XX respectively.

RURAL ELECTRIFICATION

The progress of the Rural Electrification Scheme is shown in the table below :

Period	Poles erected	Miles of line strung	Consumers connected	Areas completed
Year ended 31st March				
1947 ...	1,300	39	Nil	Nil
1948 ...	15,986	721	2,203	7
1949 ...	32,002	1,730	9,262	30
1950 ...	40,972	2,083	13,688	45
1951 ...	42,423	2,232	15,803	49
1952 ...	46,008	2,466	18,067	49
1953 ...	48,059	2,703	18,818	49
1954 ...	68,382	3,769	23,477	60
1955 ...	91,391	4,977	29,812	75
Total to date	386,523	20,720	128,634*	364

* In calculating this figure allowance has been made for 2,496 consumers disconnected since the beginning of the Scheme and not allowed for in previous returns.

A further acceleration in the rate of development took place during the year : the number of construction crews was increased from thirty to forty and seventy-five areas were completed, compared with sixty in the preceding year. At the close of the year construction was proceeding at the rate of one hundred areas per annum.

It is estimated that a total of 780 areas will be developed under the original terms of the Scheme. Of these, 606, or 78%, have been canvassed, 437, or 56%, selected for development and 364, or 47%, completed. With the increase in the rate of construction it is expected that all areas will be supplied within five years. The 364 areas completed cover 9,587 square miles, or an average of 26·3 square miles per area. A further 73 areas are under construction, or selected for development, making a total of 437 areas, or 11,718 square miles. Supply is now available to about 45% of the rural population and the proportion of dwellings connected in the completed areas is approximately 72%.

In general the delivery of materials was satisfactory and adequate to meet the acceleration in the construction programme. Prices remained reasonably steady but towards the close of the year an upward trend was noticeable in some items while delivery times, in steel particularly, were considerably extended. The value of materials used was approximately £2,000,000, of which approximately 66% was obtained from local manufacturers.

Coastal shipping was chartered to deliver materials to areas in Co. Donegal which were a considerable distance from the main supply depots. The arrangement proved very successful and five areas were supplied by this method.

The interest in the Scheme by the rural community is well maintained. The average consumption has remained steady over the past few years at approximately 890 units per annum. This is partly due to the large increase over the period in the number of new consumers whose small consumption tends to offset the increased use of electricity by the earlier consumers. The extent to which consumption is increasing in the earlier areas may be seen from the following figures which show the average annual consumption per consumer in representative areas connected during the earlier years :—

Year ended 31st March		
1949	... ...	509 units
1950	... ...	670 ,,
1951	... ...	905 ,,
1952	... ...	1,117 ,,
1953	... ...	1,119 ,,
1954	... ...	1,238 ,,
1955	... ...	1,334 ,,

The demand for cookers, kettles, fires, radios, irons and washing machines on the domestic side, and grain driers, grain grinders and pumps on the agricultural side, has continued. The provision of a piped water supply has been

sought by many rural consumers, and about 2,000 water pumps and systems were installed. Grain drying by electricity proved to be especially valuable in consequence of the exceptionally bad weather conditions of last autumn.

Soil-warming units for horticultural purposes are in demand. Another inexpensive appliance of great practical help in the farm economy is the infra-red lamp both for chicken brooding and the rearing of bonhams.

The more extensive use of home produced grains for feeding purposes has increased the demand for grain grinding equipment. This demand is well catered for by a variety of plate and hammer mills ranging from one horse power to three horse power. Farmers who grow grain for home feeding find the handling of the grain troublesome and expensive. There are various types of grain handling equipment to overcome these disadvantages, but the prices are not yet sufficiently attractive to meet in full the requirements of the potential market.

Country blacksmiths are finding that the increased degree of mechanisation in agriculture affords greater scope for the use of electric welders as well as power tools for repairs and maintenance. Farmers are also realising that the provision of a home-workshop fitted with electrical equipment can be of considerable benefit, not only for the normal maintenance of their equipment, but also to enable them to carry out immediate repairs to machinery at critical times of the year, when delay could cause serious loss.

Capital expenditure during the year amounted to £3,132,153 and the total invested in the Scheme to 31st March, 1955, was £12,854,024. Sales of current amounted to 165,707,218 units, or 30% more than in the preceding year. The revenue earned was £1,817,914 which represents a price per unit of 2·64d.

WATER STORAGE AND RIVER CONTROL

The year 1954/55 was exceptionally wet at all the hydro stations. The average inflows on the Shannon and Erne were almost the same as those in the previous two wettest years recorded since the completion of the Shannon Works in 1929. These were the highest observed in the past 60 years, with the exception of 1924/25. The inflows were particularly heavy during the winter months from September to February inclusive ; the flows for the other months of the year were about average.

The important hydrometric figures at the hydro-electric stations are given in Appendix VI and the daily water levels and flows for the Rivers Shannon, and Erne are given in Appendices X and XII respectively.

The total average inflows for the calendar year 1954 were :—

River Shannon at Killaloe	...	239·9	cbm/sec.
River Liffey at Pollaphuca	...	11·2	,,
River Liffey at Leixlip	...	22·0	,,
River Erne at Ballyshannon	...	128·3	,,

WATER POWER INVESTIGATIONS AND HYDROMETRIC SURVEY

Investigations into water power resources were continued in accordance with Section 28 of the Electricity (Supply) Act, 1927.

The report on the proposal for the hydro-electric development of the Avonmore River, Co. Wicklow, was under consideration.

The review of the preliminary scheme, which was prepared in 1944, for the hydro-electric development of the Torc Waterfall, Co. Kerry, was completed and the revised proposals, embodying a pumped storage project, were being prepared.

A report on the economy of the hydro-electric development of the River Flesk, Co. Kerry, was almost complete.

The collection of data with a view to the investigation and possible later development of the further water power resources continued. The total number of undeveloped rivers, excluding the Lee and the Clady, under observation was seventeen, namely :—

Boyne, Lackagh, Eske Upper, Eske Lower, Owenea, Leanan (Co. Donegal).
Ballisodare (Co. Sligo).
Barrow
Nore
Avonmore (Co. Wicklow).
Caragh, Flesk, Torc, Owgarriff, Cummeragh, Slaney (Co. Kerry).

Work also continued on the collection of hydrometric data on the rivers Shannon, Liffey, Erne, Lee and Clady.

WIND POWER INVESTIGATIONS

Wind power investigations, consisting of the measurement of wind speeds on a number of hill-tops around the coast, have been in progress since 1950. The work has been carried out in conjunction with the British Electrical Research Association, and in consultation with other research bodies and private firms interested in wind power development. To further the studies of the practical and economic aspects of wind power, a small prototype wind generator has been

ordered for erection near Dublin. The set is likely to be put into operation for experimental purposes next year.

PREMISES

In accordance with the programme of improving the standard of the accommodation generally, new offices have been provided at Dublin (Fleet Street), Limerick, Portlaoise, Sligo, Galway, Dundalk and Waterford, and stores in Dublin, Cork, Limerick and Sligo.

At the outlying generating stations building schemes have been developed for the staffs and their families. One hundred houses in all have been erected at Ardnacrusha, Pollaphuca, Ballyshannon, Portarlington and Naas (for Allenwood Station). Proposals for the erection of houses at Ferbane, Lanesborough, Rhode and Inniscarra generating stations are under investigation.

Service depots have been constructed in six of the larger towns and plans have been drawn up for the provision of similar centres in twenty-seven other towns.

To accommodate Head Office staff a new building is being erected in East James' Street at the rere of the existing Head Office premises.

PERMITTED UNDERTAKINGS

At the 31st March, 1955, there were twenty-four electricity undertakings operating under permit from the Board. During the year one undertaking ceased supply. The Board acquired the undertakings at Buncrana, Carrigart, Ramelton and Milford, Co. Donegal, Clonmellon, Co. Westmeath, Roundwood, Co. Wicklow and Drumshambo, Co. Leitrim. No new permits were issued. Particulars of the permitted undertakings except where the number of consumers is three or under, are contained in Appendix XV.

SUPERANNUATION SCHEMES

The number of contributing members in the General Employees' Superannuation Scheme at the end of the year was 1,733 and, in the Manual Workers' Superannuation Scheme, 2,268. One hundred and twenty-eight persons were in receipt of pensions from the funds.

A total sum of £1,892,600 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.

TRIBUNALS TO DETERMINE DISPUTES

The Reports of the proceedings of the Manual Workers' and of the General Employees' Tribunals, respectively, for the year ended 31st March, 1955, are reproduced in Appendices XVI and XVII.

STAFF

At the 31st March, 1955, the numerical strength of the Board's regular staff was 4,955. In addition there was a casual staff of over 3,900.

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

(Signed) R. F. BROWNE (Chairman).
J. P. DIGBY.
J. M. FAY.
HENRY KENNEDY.
T. A. McLAUGHLIN.
T. MacMAHON.
J. A. RYAN.

(Signed) PATRICK J. DEMPSEY, Secretary.

14th June, 1955.

REPORT

ON THE

FISHERIES

27, Lower Fitzwilliam Street,
Dublin.

TO THE MINISTER FOR INDUSTRY AND COMMERCE

RIVER SHANNON FISHERIES

In accordance with the provisions of the Shannon Fisheries Act, 1935, the Board presents the Annual Report and Accounts for the year ended 31st March, 1955.

The sales, as shown in the trading account, of salmon, eels and oysters, the leasing of angling rights and miscellaneous income amounted to £26,268, as compared with £24,086 in the preceding year.

There were special non-recurring charges against revenue as a result of a decision to write off expenditure on stake weirs £1,640, and on oyster planting, £1,615, both of which had been incurred in earlier years. Having allowed for these and having also charged interest and sinking fund amounting to £5,694 on the capital invested in the fisheries and making allowance of £1,950 for depreciation, the profit and loss account showed a deficit of £5,490, compared with a deficiency of £1,414 last year.

SALMON FISHERIES

A programme aiming at the rehabilitation and development of the salmon fisheries in the whole Shannon system has been initiated. Investigations are in progress to ascertain, more closely than heretofore, the potentialities of all rivers with a view, in particular, to the rehabilitation of tributaries which had at one time been good salmon rivers. Plans are in preparation for the provision of a large modern salmon

hatchery, with a capacity of two to three million eggs. To improve the angling on the middle and upper reaches of the Shannon, stretches of spawning ground and rearing waters will be stocked. It has been decided to erect a modern fish pass at Ardnacrusha to enable fish to ascend the river through the head race.

The following table shows the recorded run of salmon through Thomond Weir during the period under review, as compared with previous years :

Year ended 31st March		Recorded run through Thomond Weir
1945	...	11,321
1946	...	6,473
1947	...	10,355
1948	...	8,809
1949	...	10,261
1950	...	12,551
1951	...	14,403
1952	...	14,653
1953	...	10,289
1954	...	17,408
1955	...	13,629

The average price obtained for salmon was 6/11·6d. per lb. and for grilse 5/7·75d. per lb. The proceeds from sales were £17,079, as compared with £17,230 last year.

The average weight of salmon captured at Thomond Weir was 9·8 lbs., as against 9·4 lbs. in the preceding year. Grilse averaged 5·5 lbs., as compared with 5·4 lbs.

Four stake weirs were operated in the estuary of the Shannon and the average weight of salmon taken therein was 9·92 lbs., as compared with 10·4 lbs. for the year before, while the average weight of the grilse was 4·9 lbs., as compared with 5·06 lbs. In all 26,594 lbs. of salmon and grilse, valued £8,632, were captured at Thomond Weir and 26,562 lbs., valued £8,447, at the stake weirs.

EEL FISHERIES

The take from the eel weir at Killaloe was 30,498 lbs., as compared with 13,544 for the 1953/54 season. The receipts from the sale of eels amounted to £5,438, as compared with £2,227 for the preceding year ; the average price per lb. being 3/6·79d. as against 3/3·46d. per lb. last year.

OYSTER FISHERIES

90,000 oysters were marketed at an average price of 39/8d. per small hundred, as compared with 40/7d. per small hundred in the preceding year.

It has been decided to suspend commercial operation of oysters for a period to permit experiments to be made to ascertain the future potential of the Shannon Estuary for oyster cultivation.

SALMON ROD FISHERIES

The revenue derived from the leasing of angling rights and the sale of angling permits amounted to £1,195.

RIVER ERNE FISHERIES

The recorded run of salmon through the fish counter at Cathaleen's Fall was 2,593. Some experimental fishing was carried out to assess the potentialities of the fisheries following the hydro-electric development of the river.

(Signed) R. F. BROWNE (Chairman).
J. P. DIGBY.
J. M. FAY.
HENRY KENNEDY.
T. A. McLAUGHLIN
T. MacMAHON.
J. A. RYAN.

(Signed) PATRICK J. DEMPSEY, Secretary.

14th June, 1955.

It has been decided to suspend commercial operation of oysters for a period to permit experiments to be made to ascertain the future potential of the Shannon Estuary for oyster cultivation.

SALMON ROD FISHERIES

The revenue derived from the issuing of angling rights and the sale of angling permits amounted to £1,193.

RIVER ERNE FISHERIES

The recorded run of salmon through the fish counter at Carbaleon's Fall was 2,593. Some experimental fishing was carried out to assess the potentialities of the fisheries following the hydro-electric development of the river.

(Signed) R. F. BROWNE (Chairman).
J. P. DICEY.
J. M. FAY.
HENRY KENNEDY.
T. A. McLAUGHLIN.
T. MacMAHON.
J. A. RYAN.

(Signed) P. PATRICK DEMPSEY, Secretary.

14th June, 1954.

APPENDICES

LIST OF APPENDICES

Appendix

I—Number of consumers and other particulars relating to areas supplied by the Board

II—Rural Electrification

III—Generation load duration, and integrated load duration curves

IV—Distribution at high tension of units generated

V—Monthly outputs of the generating stations

VI—Performance of generating plant

VII—Particulars of the generating plant

VIII—Typical daily generation load curves

IX—Weekly generation and peak loads

X—Water levels and discharges, Loughs Allen, Ree and Derg

XI—Shannon catchment: weekly operating conditions

XII—Water levels and discharges of lower Erne

XIII—Erne catchment: weekly operating conditions

XIV—Transmission and distribution systems in commission

XV—Permitted electricity undertakings

XVI—Report of the Manual Workers' Tribunal

XVII—Report of the General Employees' Tribunal

XVIII—Annual generation from 1st April, 1930, to 31st March, 1955

XIX—Map of transmission system

XX—Diagram of transmission lines

Number of Consumers and other particulars relating to areas supplied by the Board

District	Approx. Population thousands	No. of Consumers at 31st March		Motive Power*	
		1955	1954	Units sold year ended 31st March, 1955 thousands	H.P. at 31st March, 1954
ATHLONE	**136·4**	**24,279**	**20,849**	**14,935**	**15,156**
Town	44·9	10,559	10,285	14,434	13,847
Rural	*91·5*	*13,720*	*10,564*	*501*	*1,309*
CORK No. 1	**112·0**	**26,113**	**25,535**	**33,783**	**24,009**
Town	112·0	26,113	25,535	33,783	24,009
Rural	—	—	—	—	—
CORK No. 2	**140·2**	**27,472**	**24,783**	**18,407**	**17,887**
Town	53·4	14,196	13,795	15,636	15,229
Rural	*86·8*	*13,276*	*10,988*	*2,771*	*2,658*
DUBLIN No. 1	**494·7**	**121,464**	**119,267**	**93,452**	**85,459**
Town	494·7	121,464	119,267	93,452	85,459
Rural	—	—	—	—	—
DUBLIN No. 2	**235·7**	**61,061**	**55,948**	**51,194**	**21,031**
Town	164·4	47,309	44,248	45,489	16,471
Rural	*71·3*	*13,752*	*11,700*	*5,705*	*4,560*
DUNDALK	**165·8**	**31,036**	**28,183**	**64,645**	**35,467**
Town	72·3	17,604	17,203	62,708	34,303
Rural	*93·5*	*13,432*	*10,980*	*1,937*	*1,164*
GALWAY	**135·6**	**22,447**	**18,084**	**5,388**	**7,095**
Town	44·6	9,694	9,445	4,780	6,003
Rural	*91·0*	*12,753*	*8,639*	*608*	*1,092*
LIMERICK	**217·9**	**43,242**	**39,634**	**42,105**	**25,903**
Town	96·8	23,362	22,888	37,831	20,682
Rural	*121·1*	*19,880*	*16,746*	*4,274*	*5,221*
PORTLAOISE	**145·3**	**28,567**	**25,299**	**33,241**	**23,867**
Town	65·6	16,309	15,879	29,474	20,117
Rural	*79·7*	*12,258*	*9,420*	*3,767*	*3,750*
SLIGO	**160·4**	**25,922**	**21,839**	**7,902**	**10,760**
Town	45·8	11,496	11,317	4,790	9,369
Rural	*114·6*	*14,426*	*10,522*	*3,112*	*1,391*
TRALEE	**90·5**	**16,179**	**13,400**	**5,433**	**7,458**
Town	31·6	7,600	7,512	4,916	6,822
Rural	*58·9*	*8,579*	*5,888*	*517*	*636*
WATERFORD	**186·2**	**34,119**	**30,767**	**28,058**	**32,429**
Town	95·3	22,539	22,031	19,538	25,622
Rural	*90·9*	*11,580*	*8,736*	*8,520*	*6,807*
Totals	**2,220·7**	**461,901**	**423,588**	**398,543†**	**306,521**
Town	1,322·0	328,245	319,403	366,831	277,758
Rural	*898·7*	*133,656*	*104,185*	*31,712*	*28,763*

* Motive Power : attention is drawn to the fact that the two columns under this heading are not directly comparable.

† The difference in total power units as compared with the summary on page 8 is due to end-of-the-year adjustment.

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March, 1955	No. of Consumers at 31st March, 1954	Motive Power: Units sold year ended 31st March, 1955 thousands	Motive Power: H.P. at 31st March, 1954
ATHLONE DISTRICT					
ATHLONE AREA ...	**19·8**	**4,026**	**3,623**	**4,692**	**3,691**
Athlone	9·0	2,275	2,237	4,647	3,586
Moate	1·3	278	274	38	91
Rural Areas	*9·5*	*1,473*	*1,112*	*7*	*14*
BALLINASLOE AREA ...	**14·3**	**1,967**	**1,515**	**1,269**	**1,415**
Ballinasloe	5·6	760	747	888	862
Villages under 1,000 population	*·2*	*73*	*72*	*330*	*291*
Rural Areas	*8·5*	*1,134*	*696*	*51*	*262*
BIRR AREA	**22·8**	**3,656**	**3,336**	**656**	**1,663**
Birr and Crinkle	3·6	837	780	260	433
Villages under 1,000 population	*2·3*	*710*	*663*	*163*	*430*
Rural Areas	*16·9*	*2,109*	*1,893*	*233*	*800*
LONGFORD AREA ...	**21·0**	**4,005**	**3,198**	**515**	**735**
Granard	1·2	243	243	27	73
Longford	3·8	1,019	997	218	332
Villages under 1,000 population	*1·2*	*328*	*301*	*230*	*204*
Rural Areas	*14·8*	*2,415*	*1,657*	*40*	*126*
MULLINGAR AREA ...	**25·5**	**4,441**	**3,754**	**664**	**965**
Mullingar	5·6	1,350	1,341	594	849
Rural Areas	*19·9*	*3,091*	*2,413*	*70*	*116*
ROSCOMMON AREA ...	**17·4**	**3,154**	**2,468**	**972**	**1,413**
Roscommon	2·0	536	530	882	1,262
Rural Areas	*15·4*	*2,618*	*1,938*	*90*	*151*
TULLAMORE AREA ...	**15·6**	**3,030**	**2,955**	**6,167**	**5,274**
Clara	1·7	494	469	2,711	2,415
Tullamore	6·2	1,370	1,349	3,403	2,739
Villages under 1,000 population	*1·2*	*286*	*282*	*43*	*105*
Rural Areas	*6·5*	*880*	*855*	*10*	*15*
TOTALS ...	**136·4**	**24,279**	**20,849**	**14,935**	**15,156**
CORK No. 1 DISTRICT					
CORK CITY AREA ...	**112·0**	**26,113**	**25,535**	**33,783**	**24,009**
Cork City	112·0	26,113	25,535	33,783	24,009
TOTALS ...	**112·0**	**26,113**	**25,535**	**33,783**	**24,009**
CORK No. 2 DISTRICT					
BANDON AREA ...	**11·3**	**2,982**	**2,889**	**1,313**	**1,925**
Bandon	3·3	1,004	970	562	815
Kinsale	2·1	613	580	54	197
Macroom	2·3	578	574	150	295
Villages under 1,000 population	*·3*	*88*	*77*	*42*	*170*
Rural Areas	*3·3*	*699*	*688*	*505*	*448*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March, 1955	No. of Consumers at 31st March, 1954	Motive Power: Units sold year ended 31st March, 1955 thousands	Motive Power: H.P. at 31st March, 1954
CORK No. 2 DISTRICT—*continued*					
BANTRY AREA	**9·6**	**1,546**	**1,484**	**91**	**265**
Bantry	2·3	570	559	42	148
Villages under 1,000 population	*·1*	*117*	*111*	*9*	*3*
Rural Areas	*7·2*	*859*	*814*	*40*	*114*
CARRIGALINE AREA ...	**14·5**	**2,659**	**2,246**	**444**	**406**
Monkstown	2·7	188	186	2	11
Passage West		424	418	33	19
Villages under 1,000 population	*1·3*	*361*	*353*	*399*	*343*
Rural Areas	*10·5*	*1,686*	*1,289*	*10*	*33*
CLONAKILTY AREA ...	**10·5**	**1,715**	**1,683**	**751**	**953**
Clonakilty	2·7	609	610	310	370
Rural Areas	*7·8*	*1,106*	*1,073*	*441*	*583*
COBH AREA	**7·4**	**1,781**	**1,717**	**3,322**	**5,214**
Cobh	5·7	1,474	1,441	3,320	5,214
Rural Areas	*1·7*	*307*	*276*	*2*	*Nil*
DUNMANWAY AREA ...	**9·4**	**1,908**	**1,849**	**797**	**1,771**
Dunmanway	1·4	388	371	63	183
Skibbereen	2·3	640	633	183	522
Villages under 1,000 population	*1·4*	*456*	*435*	*479*	*926*
Rural Areas	*4·3*	*424*	*410*	*72*	*140*
FERMOY AREA ...	**15·5**	**2,896**	**2,242**	**1,449**	**1,909**
Fermoy	4·0	1,041	1,012	267	517
Mitchelstown	2·1	657	643	1,077	1,063
Villages under 1,000 population	*1·0*	*274*	*272*	*96*	*329*
Rural Areas	*8·4*	*924*	*315*	*9*	*Nil*
KILBARRY AREA ...	**23·8**	**4,302**	**3,922**	**1,716**	**1,075**
Villages under 1,000 population	*1·5*	*393*	*383*	*606*	*351*
Rural Areas	*22·3*	*3,909*	*3,539*	*1,110*	*724*
MALLOW AREA ...	**19·6**	**3,906**	**3,364**	**3,596**	**2,093**
Mallow	5·6	1,349	1,317	2,185	1,273
Villages under 1,000 population	*1·6*	*516*	*491*	*970*	*377*
Rural Areas	*12·4*	*2,041*	*1,556*	*441*	*443*
MIDLETON AREA ...	**11·6**	**2,482**	**2,316**	**2,574**	**1,411**
Midleton	2·8	796	762	1,458	456
Villages under 1,000 population	*2·1*	*563*	*526*	*975*	*782*
Rural Areas	*6·7*	*1,123*	*1,028*	*141*	*173*
YOUGHAL AREA ...	**7·0**	**1,295**	**1,071**	**2,354**	**865**
Youghal	4·8	1,097	1,071	2,354	865
Rural Areas	*2·2*	*198*	*Nil*	*Nil*	*Nil*
TOTALS ...	**140·2**	**27,472**	**24,783**	**18,407**	**17,887**
DUBLIN No. 1 DISTRICT					
DUBLIN CITY AREA ...	**494·7**	**121,464**	**119,267**	**93,452**	**85,459**
Dublin City	494·7	121,464	119,267	93,452	85,459
TOTALS ...	**494·7**	**121,464**	**119,267**	**93,452**	**85,459**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power	
		1955	1954	Units sold year ended 31st March, 1955 thousands	H.P. at 31st March, 1954
DUBLIN No. 2 DISTRICT					
BALLYMUN AREA ...	**20·3**	**6,732**	**5,999**	**10,875**	**1,636**
Artane					
Ballymun					
Castleknock					
Coolock	16·3	5,938	5,239	10,601	1,600
Finglas					
Santry					
Blanchardstown					
Rural Areas	*4·0*	*794*	*760*	*274*	*36*
BRAY AREA	**16·3**	**4,560**	**4,265**	**1,236**	**2,270**
Bray	15·0	4,017	3,807	1,091	2,189
Shankill–Loughlinstown ...					
Rural Areas	*1·3*	*543*	*458*	*145*	*81*
CHAPELIZOD AREA ...	**27·3**	**6,771**	**6,410**	**24,038**	**5,421**
Chapelizod					
The Ranch	21·5	5,022	4,272	592	443
Palmerstown					
Clondalkin	2·3	887	798	22,741	4,248
Bluebell					
Rural Areas	*3·5*	*862*	*1,340*	*705*	*730*
DUN LAOGHAIRE AREA	**75·9**	**21,828**	**20,960**	**3,049**	**3,001**
Dundrum–Milltown ...					
Dún Laoghaire Borough ...	74·0	21,220	20,356	2,771	2,928
Stillorgan–Ballybrack ...					
Kilternan–Scalp					
Rural Areas	*1·9*	*608*	*604*	*278*	*73*
GRANGE AREA ...	**2·6**	**1,745**	**1,353**	**348**	**95**
Raheny	2·3	1,468	1,078	338	76
Baldoyle					
Rural Areas	*·3*	*277*	*275*	*10*	*19*
GREYSTONES AREA ...	**8·1**	**1,967**	**1,754**	**221**	**361**
Greystones	2·2	723	719	29	317
Delgany–Killincarrig ...	1·6	456	445	8	24
Newtownmountkennedy ...					
Rural Areas	*4·3*	*788*	*590*	*184*	*20*
HOWTH AREA	**5·8**	**1,302**	**1,283**	**271**	**131**
Howth–Sutton	5·8	1,302	1,283	271	131
LEIXLIP AREA	**11·7**	**3,406**	**3,116**	**6,048**	**2,849**
Lucan	1·3	433	466	4,447	561
Celbridge	1·5	406	394	741	405
Leixlip					
Maynooth	·8	233	228	103	180
Rural Areas	*8·1*	*2,334*	*2,028*	*757*	*1,703*
NAAS AREA	**15·4**	**2,775**	**2,616**	**2,287**	**1,873**
Naas	3·7	865	792	658	722
Rural Areas	*11·7*	*1,910*	*1,824*	*1,629*	*1,151*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March 1955	No. of Consumers at 31st March 1954	Motive Power: Units sold year ended 31st March, 1955 thousands	Motive Power: H.P. at 31st March, 1954
DUBLIN No. 2 DISTRICT—*continued*					
SKERRIES AREA ...	**13·5**	**2,501**	**2,400**	**610**	**578**
Balbriggan	2·9	698	687	280	343
Skerries	2·5	739	756	56	135
Rural Areas	*8·1*	*1,064*	*957*	*274*	*100*
SWORDS AREA	**13·4**	**3,423**	**3,479**	**1,115**	**1,485**
Malahide ... ... }	3·1	870	866	103	673
Portmarnock ... ... }					
Rush	1·9	563	560	52	108
Swords	1·1	414	464	144	368
Rural Areas	*7·3*	*1,576*	*1,589*	*816*	*336*
SUMMERHILL Area (Rural)	**14·7**	**1,828**	**119**	**121**	**83**
Summerhill Rural ...	14·7	1,828	119	121	83
WICKLOW AREA ...	**10·7**	**2,223**	**2,194**	**975**	**1,248**
Rathdrum	1·3	225	222	40	447
Wicklow	3·3	830	816	423	573
Rural Areas	*6·1*	*1,168*	*1,156*	*512*	*228*
TOTALS ...	**235·7**	**61,061**	**55,948**	**51,194**	**21,031**
DUNDALK DISTRICT					
ARDEE AREA	**13·7**	**2,412**	**1,736**	**4,797**	**2,707**
Ardee	2·5	558	485	1,708	430
Carrickmacross	2·1	582	566	171	307
Villages under 1,000 population	*1·5*	*591*	*574*	*2,453*	*1,839*
Rural Areas	*7·6*	*681*	*111*	*465*	*131*
MONAGHAN AREA ...	**16·9**	**3,006**	**2,933**	**1,884**	**3,425**
Ballybay	1·0	316	310	216	445
Castleblayney	2·2	505	506	593	1,002
Monaghan	4·7	951	913	598	1,625
Rural Areas	*9·0*	*1,234*	*1,204*	*477*	*353*
CAVAN AREA	**14·6**	**2,446**	**2,368**	**1,534**	**1,950**
Belturbet	1·2	301	282	193	420
Cavan	3·6	886	872	537	606
Villages under 1,000 population	*2·8*	*693*	*677*	*741*	*863*
Rural Areas	*7·0*	*566*	*537*	*63*	*61*
CLONES AREA	**7·3**	**1,492**	**1,483**	**483**	**731**
Clones	2·5	679	676	74	266
Cootehill	1·5	403	398	409	465
Villages under 1,000 population	*·1*	*15*	*15*	*Nil*	*Nil*
Rural Areas	*3·2*	*395*	*394*	*Nil*	*Nil*
DROGHEDA AREA ...	**35·9**	**6,906**	**6,681**	**51,434**	**18,246**
Drogheda	16·8	3,636	3,576	50,763	17,727
Villages under 1,000 population	*·6*	*199*	*194*	*38*	*86*
Rural Areas	*18·5*	*3,071*	*2,911*	*633*	*433*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power	
		1955	1954	Units sold year ended 31st March, 1955 thousands	H.P. at 31st March, 1954
DUNDALK DISTRICT—*continued*					
DUNDALK AREA ...	**40·2**	**8,427**	**7,942**	**3,229**	**6,036**
Dundalk	19·7	4,621	4,527	3,036	5,919
Villages under 1,000 population	*·8*	*235*	*233*	*31*	*34*
Rural Areas	*19·7*	*3,571*	*3,182*	*162*	*83*
NAVAN AREA	**20·3**	**3,640**	**2,997**	**1,018**	**1,921**
An Uaimh (Navan) ...	4·3	1,110	1,114	815	1,515
Trim	1·3	339	325	78	308
Rural Areas	*14·7*	*2,191*	*1,558*	*125*	*98*
KELLS AREA	**16·9**	**2,707**	**2,043**	**266**	**451**
Ceannanus Mor (Kells) ...	2·1	584	555	106	191
Villages under 1,000 population	*1·0*	*400*	*405*	*148*	*255*
Rural Areas	*13·8*	*1,723*	*1,083*	*12*	*5*
TOTALS ...	**165·8**	**31,036**	**28,183**	**64,645**	**35,467**
GALWAY DISTRICT					
CLAREMORRIS AREA ...	**26·1**	**4,512**	**3,225**	**696**	**1,014**
Ballinrobe	1·2	336	327	74	78
Ballyhaunis	1·1	343	333	86	147
Claremorris	1·1	415	417	334	527
Rural Areas	*22·7*	*3,418*	*2,148*	*202*	*262*
GALWAY AREA ...	**40·0**	**6,433**	**5,316**	**2,533**	**2,910**
Galway	21·3	4,300	4,172	2,264	2,518
Villages under 1,000 population	*·2*	*57*	*54*	*4*	*29*
Rural Areas	*18·5*	*2,076*	*1,090*	*265*	*363*
GORT AREA	**17·6**	**3,108**	**2,614**	**432**	**673**
Athenry	1·2	285	271	198	177
Gort	1·0	290	279	56	217
Loughrea	2·8	534	505	150	183
Villages under 1,000 population	*·1*	*33*	*33*	*9*	*8*
Rural Areas	*12·5*	*1,966*	*1,526*	*19*	*88*
TUAM AREA	**21·4**	**3,412**	**2,838**	**152**	**498**
Tuam	5·0	1,084	1,070	123	312
Villages under 1,000 population	*·5*	*138*	*137*	*5*	*30*
Rural Areas	*15·9*	*2,190*	*1,631*	*24*	*156*
WESTPORT AREA ...	**30·5**	**4,982**	**4,091**	**1,575**	**2,000**
Castlebar	5·3	914	906	1,075	836
Westport	3·1	757	740	391	894
Villages under 1,000 population	*·7*	*208*	*201*	*11*	*47*
Rural Areas	*21·4*	*3,103*	*2,244*	*98*	*223*
TOTALS ...	**135·6**	**22,447**	**18,084**	**5,388**	**7,095**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power	
		1955	1954	Units sold year ended 31st March, 1955 thousands	H.P. at 31st March, 1954
LIMERICK DISTRICT					
CAHIR AREA	**16·8**	**2,918**	**2,799**	**1,096**	**1,065**
Cahir	1·6	494	486	179	365
Cashel	2·8	565	545	73	248
Rural Areas	*12·4*	*1,859*	*1,768*	*844*	*452*
ENNIS AREA	**18·8**	**3,805**	**3,424**	**1,816**	**1,974**
Ennis	6·1	1,694	1,658	535	809
Villages under 1,000 population	*1·3*	*396*	*386*	*682*	*464*
Rural Areas	*11·4*	*1,715*	*1,380*	*599*	*701*
ENNISTYMON AREA ...	**5·4**	**1,246**	**1,209**	**178**	**431**
Ennistymon	1·1	331	321	135	386
Villages under 1,000 population	*1·5*	*508*	*485*	*41*	*38*
Rural Areas	*2·8*	*407*	*403*	*2*	*7*
KILMALLOCK AREA ...	**17·2**	**3,314**	**2,969**	**727**	**1,632**
Kilmallock	1·1	329	330	122	301
Villages under 1,000 population	*2·7*	*676*	*654*	*218*	*470*
Rural Areas	*13·4*	*2,309*	*1,985*	*387*	*861*
KILRUSH AREA ...	**7·7**	**1,530**	**1,290**	**378**	**758**
Kilkee	1·7	400	393	27	44
Kilrush	3·2	706	709	351	714
Rural Areas	*2·8*	*424*	*188*	*Nil*	*Nil*
LIMERICK AREA ...	**77·9**	**16,765**	**16,157**	**33,309**	**13,910**
Killaloe–Ballina	1·0	302	297	61	192
Limerick	50·8	11,621	11,397	32,209	12,023
Villages under 1,000 population	*1·1*	*291*	*281*	*65*	*572*
Rural Areas	*25·0*	*4,551*	*4,182*	*974*	*1,123*
NENAGH AREA ...	**11·2**	**2,316**	**2,264**	**1,017**	**1,316**
Nenagh	4·4	1,135	1,120	998	782
Villages under 1,000 population	*·8*	*209*	*196*	*10*	*21*
Rural Areas	*6·0*	*972*	*948*	*9*	*513*
RATHKEALE AREA ...	**21·2**	**4,021**	**3,907**	**1,878**	**1,927**
Newcastle West	2·6	610	602	104	339
Rathkeale	1·5	323	321	72	198
Villages under 1,000 population	2·8	750	764	670	929
Rural Areas	*14·3*	*2,338*	*2,220*	*1,032*	*461*
RATHLUIRC AREA ...	**10·6**	**2,091**	**742**	**822**	**1,217**
Rathluirc (Charleville) ...	1·9	587	586	377	396
Villages under 1,000 population	*·7*	*44*	*39*	*324*	*432*
Rural Areas	*8·0*	*1,460*	*117*	*121*	*389*
TIPPERARY AREA ...	**31·1**	**5,236**	**4,873**	**884**	**1,673**
Tipperary	5·1	1,170	1,102	511	769
Villages under 1,000 population	*1·0*	*221*	*216*	*67*	*190*
Rural Areas	*25·0*	*3,845*	*3,555*	*306*	*714*
TOTALS ...	**217·9**	**43,242**	**39,634**	**42,105**	**25,903**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power	
		1955	1954	Units sold year ended 31st March, 1955 thousands	H.P. at 31st March, 1954
PORTLAOISE DISTRICT					
ATHY AREA	**10·9**	**1,730**	**1,137**	**6,931**	**3,283**
Athy	3·8	913	921	6,826	3,161
Rural Areas	*7·1*	*817*	*216*	*105*	*122*
CARLOW AREA ...	**18·3**	**3,525**	**3,407**	**1,357**	**2,183**
Carlow	7·7	1,648	1,616	978	1,377
Muine Bheag	1·9	466	406	138	330
Rural Areas	*8·7*	*1,411*	*1,385*	*241*	*476*
DROICHEAD NUA AREA	**9·2**	**2,180**	**1,963**	**2,830**	**1,559**
Droichead Nua	3·0	1,011	960	2,797	1,378
Villages under 1,000 population	*1·1*	*316*	*309*	*32*	*114*
Rural Areas	*5·1*	*853*	*694*	*1*	*67*
KILDARE AREA ...	**16·0**	**2,614**	**2,240**	**7,809**	**4,318**
Edenderry	2·6	533	520	626	448
Kildare	2·3	582	580	5,689	2,694
Villages under 1,000 population	*·4*	*127*	*125*	*61*	*151*
Rural Areas	*10·7*	*1,372*	*1,015*	*1,433*	*1,025*
KILKENNY AREA ...	**29·9**	**5,907**	**5,502**	**5,352**	**5,243**
Callan	1·5	333	329	230	315
Kilkenny	10·8	2,612	2,523	844	1,352
Castlecomer	1·1	286	283	2,792	1,879
Villages under 1,000 population	*1·6*	*422*	*419*	*193*	*345*
Rural Areas	*14·9*	*2,254*	*1,948*	*1,293*	*1,352*
PORTARLINGTON AREA	**12·9**	**2,366**	**2,445**	**2,931**	**1,588**
Mountmellick	2·5	550	548	213	287
Portarlington	2·2	631	608	2,585	1,088
Villages under 1,000 population	*·4*	*162*	*160*	*120*	*158*
Rural Areas	*7·8*	*1,023*	*1,129*	*13*	*55*
PORTLAOISE AREA ...	**11·2**	**2,591**	**2,105**	**2,167**	**1,875**
Mountrath–Castletown ...	1·2	306	303	73	237
Portlaoise	3·8	1,037	1,019	1,893	1,053
Villages under 1,000 population	*2·1*	*623*	*606*	*200*	*582*
Rural Areas	*4·1*	*625*	*177*	*1*	*3*
ROSCREA AREA ...	**9·8**	**2,184**	**1,745**	**1,477**	**1,354**
Roscrea	3·0	772	760	1,154	905
Villages under 1,000 population	*·9*	*310*	*302*	*38*	*134*
Rural Areas	*5·9*	*1,102*	*683*	*285*	*315*
THURLES AREA ...	**17·8**	**3,528**	**3,155**	**2,084**	**1,891**
Templemore	2·0	454	449	445	549
Thurles	6·3	1,282	1,245	1,323	997
Villages under 1,000 population	*·5*	*135*	*128*	*47*	*110*
Rural Areas	*9·0*	*1,657*	*1,333*	*269*	*235*
TULLOW AREA ...	**9·3**	**1,942**	**1,600**	**303**	**573**
Tullow	1·7	422	385	93	198
Villages under 1,000 population	*1·2*	*376*	*375*	*84*	*275*
Rural Areas	*6·4*	*1,144*	*840*	*126*	*100*
TOTALS ...	**145·3**	**28,567**	**25,299**	**33,241**	**23,867**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power	
		1955	1954	Units sold year ended 31st March, 1955 thousands	H.P. at 31st March, 1954
SLIGO DISTRICT					
BALLAGHADEREEN AREA	**7·9**	**1,618**	**1,169**	**350**	**602**
Ballaghadereen	1·4	348	346	109	218
Castlerea	1·2	445	429	212	274
Villages under 1,000 population	*·3*	*89*	*85*	*29*	*93*
Rural Areas	*5·0*	*736*	*309*	*Nil*	*17*
BALLINA AREA ...	**20·6**	**3,635**	**3,176**	**322**	**1,081**
Ballina–Crocketstown ...	6·3	1,562	1,531	284	880
Villages under 1,000 population	*1·5*	*439*	*434*	*33*	*165*
Rural Areas	*12·8*	*1,634*	*1,211*	*5*	*36*
BALLYSHANNON AREA	**9·0**	**1,696**	**1,403**	**162**	**1,472**
Ballyshannon	2·8	698	701	72	1,204
Bundoran	1·7	405	411	88	254
Rural Areas	*4·5*	*593*	*291*	*2*	*14*
CARRICK-ON-SHANNON AREA	**14·6**	**2,235**	**1,892**	**1,099**	**1,635**
Carrick-on-Shannon ...	1·5	393	382	593	601
Villages under 1,000 population	*2·9*	*811*	*806*	*444*	*869*
Rural Areas	*10·2*	*1,031*	*704*	*62*	*165*
KILLYBEGS AREA ...	**16·0**	**2,510**	**2,150**	**373**	**397**
Rural Areas	16·0	2,510	2,150	373	397
LETTERKENNY AREA ...	**44·2**	**6,150**	**4,513**	**1,581**	**1,502**
Buncrana	3·0	672	649	89	Nil
Letterkenny	3·0	791	775	205	371
Villages under 1,000 population	*1·1*	*363*	*349*	*1,111*	*977*
Rural Areas	*37·1*	*4,324*	*2,740*	*176*	*154*
SLIGO AREA	**30·0**	**5,597**	**5,566**	**3,509**	**3,056**
Sligo	13·5	2,917	2,871	983	1,752
Villages under 1,000 population	*·9*	*290*	*284*	*43*	*556*
Rural Areas	*15·6*	*2,390*	*2,411*	*2,483*	*748*
SWINFORD AREA ...	**18·1**	**2,481**	**1,970**	**506**	**1,015**
Kiltimagh	1·0	262	260	206	206
Swinford	1·2	333	329	46	213
Villages under 1,000 population	*2·5*	*678*	*675*	*243*	*561*
Rural Areas	*13·4*	*1,208*	*706*	*11*	*35*
TOTALS ...	**160·4**	**25,922**	**21,839**	**7,902**	**10,760**
TRALEE DISTRICT					
KANTURK AREA ...	**14·3**	**2,900**	**2,140**	**840**	**1,288**
Kanturk	1·6	477	470	438	538
Villages under 1,000 population	*1·9*	*623*	*628*	*298*	*668*
Rural Areas	*10·8*	*1,800*	*1,042*	*104*	*82*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power	
		1955	1954	Units sold year ended 31st March, 1955 thousands	H.P. at 31st March, 1954
TRALEE DISTRICT—*continued*					
KILLARNEY AREA ...	**14·4**	**2,459**	**2,071**	**1,705**	**1,749**
Killarney	6·3	1,262	1,211	345	581
Villages under 1,000 population	*1·4*	*475*	*468*	*1,317*	*1,168*
Rural Areas	*6·7*	*722*	*392*	*43*	*Nil*
LISTOWEL AREA ...	**13·7**	**2,237**	**2,215**	**698**	**1,688**
Abbeyfeale	1·2	321	314	57	204
Listowel	3·1	695	736	355	648
Villages under 1,000 population	*2·1*	*629*	*613*	*238*	*786*
Rural Areas	*7·3*	*592*	*552*	*48*	*50*
TRALEE AREA	**48·1**	**8,583**	**6,974**	**2,190**	**2,733**
Castleisland	1·5	409	414	476	424
Tralee	11·0	2,709	2,658	1,392	1,805
Dingle	1·5	5,465	3,902	322	504
Rural Areas	*34·1*				
TOTALS ...	**90·5**	**16,179**	**13,400**	**5,433**	**7,458**
WATERFORD DISTRICT					
ARKLOW AREA ...	**17·2**	**3,340**	**2,923**	**3,232**	**2,832**
Arklow	5·2	1,323	1,316	2,410	1,476
Gorey	2·9	662	653	722	1,083
Rural Areas	*9·1*	*1,355*	*954*	*100*	*273*
CARRICK-ON-SUIR AREA	**15·7**	**2,514**	**2,319**	**1,752**	**2,923**
Carrick-on-Suir	4·8	970	951	608	1,064
Villages under 1,000 population	*·9*	*243*	*244*	*573*	*1,025*
Rural Areas	*10·0*	*1,301*	*1,124*	*571*	*834*
CLONMEL AREA ...	**23·0**	**3,970**	**3,423**	**3,162**	**3,346**
Clonmel	10·5	2,278	2,233	1,252	1,919
Fethard	1·0	277	279	50	143
Villages under 1,000 population	*·5*	*131*	*129*	*43*	*115*
Rural Areas	*11·0*	*1,284*	*782*	*1,817*	*1,169*
DUNGARVAN AREA ...	**22·0**	**3,843**	**3,211**	**2,236**	**2,995**
Dungarvan	5·4	1,266	1,234	987	1,406
Lismore	1·1	310	307	21	144
Villages under 1,000 population	*1·5*	*453*	*450*	*161*	*263*
Rural Areas	*14·0*	*1,814*	*1,220*	*1,067*	*1,182*
ENNISCORTHY AREA ...	**20·5**	**3,816**	**2,882**	**1,999**	**2,527**
Enniscorthy	5·9	1,441	1,401	1,603	1,406
Villages under 1,000 population	*2·1*	*686*	*678*	*262*	*906*
Rural Areas	*12·5*	*1,689*	*803*	*134*	*215*
NEW ROSS AREA ...	**18·9**	**3,079**	**2,914**	**1,592**	**2,349**
Graiguenamanagh–Tinnahich	1·4	302	296	458	334
New Ross	4·9	1,104	1,075	895	1,406
Villages under 1,000 population	*1·6*	*451*	*451*	*41*	*166*
Rural Areas	*11·0*	*1,222*	*1,092*	*198*	*443*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power	
		1955	1954	Units sold year ended 31st March, 1955 thousands	H.P. at 31st March, 1954
WATERFORD DISTRICT—*continued*					
TRAMORE AREA ...	**4·9**	**1,202**	**1,134**	**171**	**269**
Tramore	2·8	698	687	142	175
Villages under 1,000 population	*·7*	*275*	*263*	*23*	*82*
Rural Areas	*1·4*	*229*	*184*	*6*	*12*
WATERFORD AREA ...	**35·5**	**7,552**	**7,321**	**11,900**	**11,203**
Waterford	28·7	6,599	6,422	7,835	9,066
Rural Areas	*6·8*	*953*	*899*	*4,065*	*2,137*
WEXFORD AREA ...	**28·5**	**4,803**	**4,640**	**2,014**	**3,985**
Wexford	12·0	2,725	2,615	1,351	2,973
Villages under 1,000 population	*1·3*	*345*	*347*	*64*	*312*
Rural Areas	*15·2*	*1,733*	*1,678*	*599*	*700*
TOTALS ...	**186·2**	**34,119**	**30,767**	**28,058**	**32,429**

APPENDIX II

RURAL ELECTRIFICATION

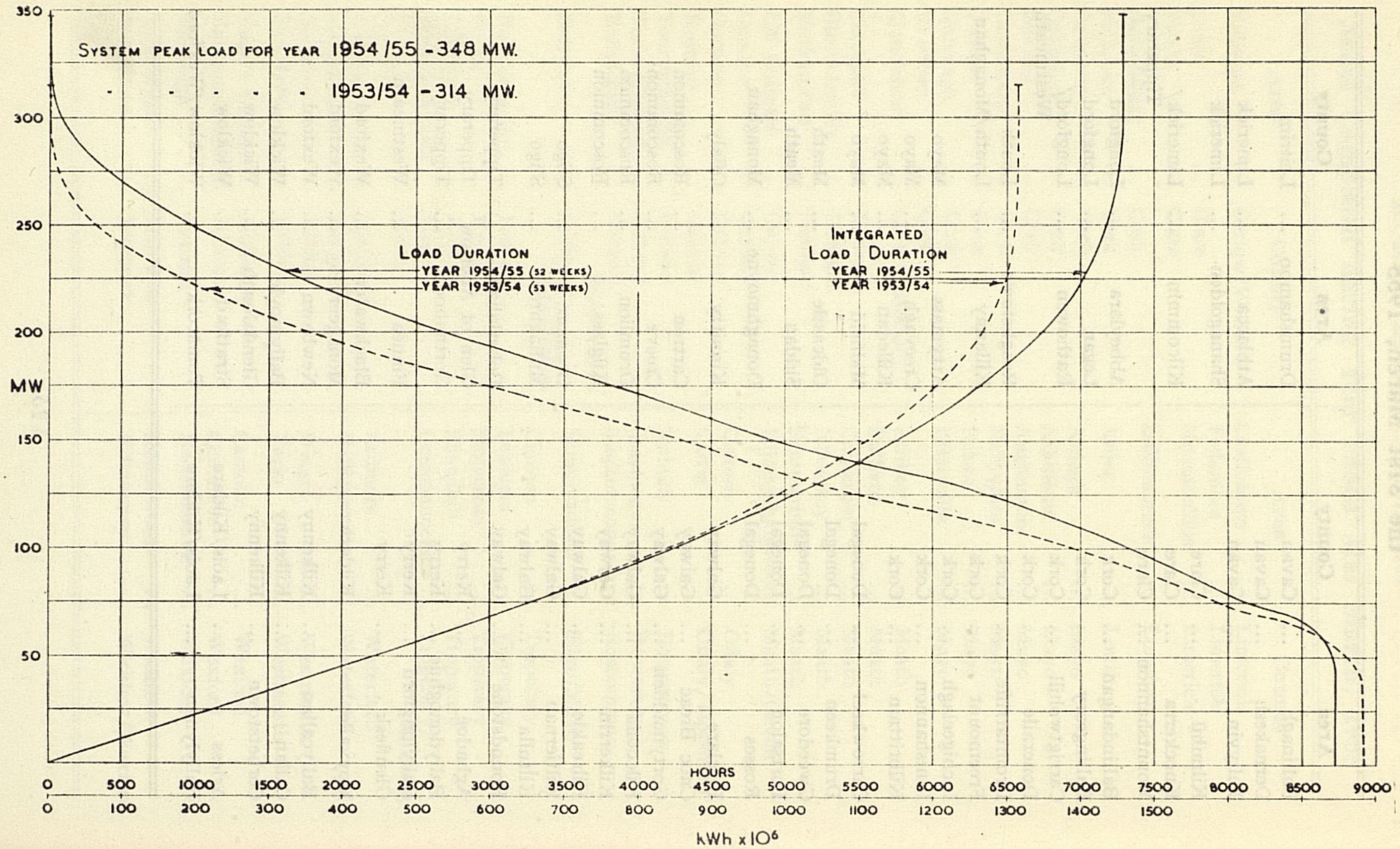
Areas Completed during Year ended 31st March, 1955

Area	County
Killinure	Carlow/Wicklow
Cross	Clare
Feakle	Clare
Ballinhassig	Cork
Ballyhay	Cork
Ballynoe	Cork
Boherbue	Cork
Bweeng	Cork
Castlelyons	Cork
Gortroe	Cork
Greenagh	Cork
Newtown	Cork
Clondulane	Cork/Waterford
Carrigart	Donegal
Glencolmcille	Donegal
Rathmullan	Donegal
Cill Chiarain	Galway
Cummer	Galway
Gorteen	Galway
Rosmuc	Galway
Tourmakeady	Galway
Turloughmore	Galway
Ballyforan	Galway/ Roscommon
Ballymoe	Galway/ Roscommon
Ballydesmond	Kerry
Cordal	Kerry
Kilgarvan	Kerry
Knocknagoshel	Kerry
Lixnaw	Kerry
Carbury	Kildare
Kealstown	Kildare
Kilmead	Kildare
Moorfield	Kildare
Cuffe's Grange	Kilkenny
Graiguenamanagh	Kilkenny
Kinlough	Leitrim
Ballyorgan	Limerick
Broadford	Limerick
Castletown	Limerick
Fedamore	Limerick
Mountcollins	Limerick
Ballinamuck	Longford
Ardee	Louth
Ardagh	Mayo
Askillaun	Mayo
Aughamore	Mayo
Ballyglass	Mayo
Bekan	Mayo
Killawalla	Mayo
Athboy	Meath
Ballivor	Meath
Carnaross	Meath
Kildalkey	Meath
Summerhill	Meath
Kilmainhamwood	Meath/Cavan
Clareen	Offaly
Carrig	Offaly/Tipperary
Rahara	Roscommon
Scramogue	Roscommon
Taghmaconnell	Roscommon
Bunninadden	Sligo/Mayo
Cloneen	Tipperary
Drangan	Tipperary
Holycross	Tipperary
Shanakill	Tipperary
Grangemockler	Tipperary/ Kilkenny
Ardmore	Waterford
Ballinamult	Waterford
Dysart	Westmeath
Turin	Westmeath
Camolin	Wexford
Clohamon	Wexford
Marshalstown	Wexford
Roundwood	Wicklow
Killavaney	Wicklow/Wexford

Areas under Construction or Selected for Development at the 31st March, 1955

Area	County
Ballinagh	Cavan
Dernakesh	Cavan
Tullyvin	Cavan
Kilmihil	Clare
Knockerra	Clare
Mountshannon	Clare
Ballindangan	Cork
Ballingeary	Cork
Carrigtwohill	Cork
Doneraile	Cork
Dromtarriffe	Cork
Freemount	Cork
Inchigeelagh	Cork
Innishannon	Cork
Kilbrittain	Cork
Carrowkeel	Donegal
Drumkeen	Donegal
Gweedore	Donegal
Portsalon	Donegal
Rosses	Donegal
Belclare	Galway
Cnoc Breac	Galway
Gortymadden	Galway
Kilcoona	Galway
Kilkerrin	Galway
Kilreakle	Galway
Kiltiernan	Galway
Kiltulla	Galway
Roundstone	Galway
Aghadoe	Kerry
Ballydonoghue	Kerry
Ballylongford	Kerry
Glenflesk	Kerry
Moyvalley	Kildare
Ballycallan	Kilkenny
Callan	Kilkenny
Corbetstown	Kilkenny
Arless	Laois/Kildare
Ballylynan	Laois/Kildare
Drumshambo	Leitrim
Athlacca	Limerick
Shanagolden	Limerick
Kilcommin	Limerick/Tipperary
Abbeylara	Longford
Legan	Longford
Rathowen	Longford/Westmeath
Reaghstown	Louth
Killanny	Louth/Monaghan
Attymass	Mayo
Creevagh	Mayo
Killedan	Mayo
Midfield	Mayo
Oldcastle	Meath
Siddan	Meath
Donaghmoyne	Monaghan
Kinnitty	Offaly
Cartron	Roscommon
Creeve	Roscommon
Drumlion	Roscommon
Kilglass	Roscommon
Dromore	Sligo
Mullaghroe	Sligo
Boherlahan	Tipperary
Glen of Aherlow	Tipperary
Gortnahoo	Tipperary
Finnea	Westmeath
Blackwater	Wexford
Monageer	Wexford
Newbawn	Wexford
Ballymoyle	Wicklow
Glendalough	Wicklow
Stratford	Wicklow
Tomacork	Wicklow/Wexford

GENERATION LOAD DURATION & INTEGRATED LOAD DURATION CURVES — YEAR ENDED 31ST MARCH 1955



Distribution at High Tension of Units Generated

Year ended 31st March, 1955

District, etc.	kWh x 10^6	High Tension Units kWh x 10^6	Percentage of Total
Dublin City 5kV supply	256·030		
Dublin City 10kV supply	98·190		
TOTAL SUPPLY TO DUBLIN CITY		354·220	24.2
Cork City D.C. supply	2·895		
Cork City A.C. supply	77·475		
TOTAL SUPPLY TO CORK CITY		80·370	5.5
Athlone District		50·470	3.4
Cork No. 2 District		73·965	5.1
Dublin No. 2 District		193·560	13.2
Dundalk District		124·255	8.5
Galway District		42·140	2.9
Limerick District		117·790	8.1
Portlaoise District		75·700	5.2
Sligo District		46·125	3.2
Tralee District		28·200	1.9
Waterford District		92·410	6.3
Generating Station Auxiliaries		54·043	3.7
High Tension losses (110kV and 38kV)		128·488	8.8
Total generation of all stations	1,458·040		
Total supply purchased	3·696		
Total generation of all stations plus supply purchased		1,461·736	100.0

Monthly outputs (kWh x 10^6) of the Generating Stations and supply purchased Year ended 31st March, 1955

Month (Calendar)	HYDRO STATIONS						STEAM STATIONS					Total of all Generating Stations	Total supply Purchased	Total Generation and supply Purchased
	RIVER SHANNON	RIVER ERNE		RIVER LIFFEY			Portarlington	Allenwood	DUBLIN		Marina (Cork)			
	Ardnacrusha	Cliff	Cathaleen's Fall	Pollaphuca	Golden Falls	Leixlip			Pigeon House	North Wall				
April ...	31·614	6·023	21·105	1·541	0·626	1·092	11·601	11·936	6·630	11·651	4·458	108·277	0·302	108·579
May ...	12·124	2·074	6·342	1·000	0·487	0·744	17·408	20·279	20·983	22·191	0·207	103·839	0·165	104·004
June ...	9·225	3·005	8·547	0·878	0·411	—	15·886	21·789	13·196	20·198	0·398	93·533	0·127	93·660
July ...	10·800	3·265	9·820	1·690	0·683	0·832	14·634	21·826	12·906	11·863	10·328	98·647	0·215	98·862
August ...	15·960	5·607	16·134	2·454	0·893	1·142	10·148	17·632	1·062	3·201	16·733	90·966	0·262	91·228
September	32·223	5·444	17·055	3·065	1·172	1·470	7·750	15·059	2·550	2·516	16·889	105·193	0·382	105·575
October ...	45·077	7·511	26·841	3·593	1·397	2·282	7·128	11·729	1·216	5·330	9·937	122·041	0·435	122·476
November	54·583	7·370	31·698	3·927	1·603	2·657	6·610	6·525	3·725	6·762	15·146	140·606	0·347	140·953
December	58·049	7·449	30·818	5·557	2·055	2·801	4·408	6·653	7·57	7·971	17·097	150·434	0·411	150·845
January	52·102	7·309	32·136	3·688	1·425	2·567	10·162	9·520	6·172	11·715	20·203	156·999	0·425	157·424
February	46·156	7·811	26·462	3·632	1·357	2·247	9·846	9·085	7·422	11·508	16·678	142·204	0·311	142·515
March ...	30·786	6·088	19·829	1·639	0.680	1·377	13·653	9·736	16·691	19·932	24·890	145·301	0·314	145·615
		68·956	246·787	32·664	12·789	19·211								
TOTALS ...	398·699	315·743		64·664			129·234	161·769	100·129	134·838	152·964	1,458·040	3·696	1,461·736

Performance of Generating Plant Year ended 31st March, 1955

(*a*) HYDRO-ELECTRIC STATIONS

Station	River	Total average inflow cbm/sec	Water utilisation % *	Average water used at station cbm/sec	Average water used per unit generated cbm	Rainfall at power station ins	Average available head m	Installed capacity kW	Units sent out kWh x 10^6	Station load factor %	Cost of generation per unit sent out	
											Works cost pence	Total cost pence
ARDNACRUSHA ...	Shannon	234.7	87.3†	198.3	15.7	46.7‡	27.88	85,000	395.712	53.5	0·074	0·237
CLIFF ...	Erne	124.9	79.9	101.9	46.6	48.6‡	10.20	20,000	67.954	74.3	0·046	0·276
CATHALEEN'S FALL	,,	124.9	91.1	116.2	14.9	48.6‡	29.08	45,000	244.783	61.2		
POLLAPHUCA ...	Liffey	11.7	100.0	11.0	10.6	45.0	49.10	30,000	31.982	11.7	0.145	0·536
GOLDEN FALLS ...	,,	11.7	100.0	10.3	25.3	45.0	16.94	4,000	12.677	36.5		
LEIXLIP ...	,,	22.8	87.3	15.6	25.6	35.2	17.27	4,000	19.211	54.7		

* The percentage utilisation of the total discharge for power production is exclusive of river compensation water and, in the case of the River Liffey, the draw-off for the Dublin City water supply. The draw-off for Dublin City water supply from Pollaphuca reservoir averaged 16.3 million gallons per day (0.86 cbm/sec).

† The percentage utilisation at Ardnacrusha is influenced by the method of combined running of Ardnacrusha Station and Cathaleen's Fall and Cliff Stations during periods of surplus water.

‡ Average of catchment area.

(*b*) STEAM STATIONS

Station	Location	Installed capacity kW	Units sent out kWh x 10^6	Station load factor %	Fuel type	Fuel Used: Total tons	Fuel Used: lbs per unit sent out	Fuel cost per ton £ s. d.	Fuel cost per unit sent out pence	Cost of generation per unit sent out: Works cost pence	Cost of generation per unit sent out: Total cost pence
PORTARLINGTON	Co. Laoise	25,000	120.903	52.6	Sod* peat	160,700	2.977	2 9 9	0.794	0·947	1·216
ALLENWOOD ...	Co. Kildare	40,000	150.839	45.0	Sod* peat	186,600	2.771	2 19 2	0.879	1·027	1·318
PIGEON HOUSE	Dublin ...	95,000	89.947	13.6	Coal	78,900	1.965	4 5 1	0.893	1·484	1·923
NORTH WALL ...	,, ...	44,500	125.596	35.0	Oil	48,300	0.861	6 13 8	0.615	0·758	1·059
MARINA ...	Cork ...	60,000	144.393	34.4	Coal Oil	10,100 44,500	0.791†	4 1 3 6 12 10	0.559	0·637	1·072

* Figures for sod peat are equivalent standard fuel of 30 per cent moisture.

† Figure when station operating on oil only.

Particulars of Generating Plant

(*a*) HYDRO-ELECTRIC STATIONS

Station	River	Catchment area km²	Average annual flow m³/sec	Average head m	Generating Sets No.	Generating Sets Capacity each kW	Type of turbine	Total capacity kW	Average annual output kWh x 10⁶	Remarks
ARDNACRUSHA ...	Shannon	10,400	194.4	28.3	3 1	20,000 25,000	Francis Kaplan	85,000	310	In commission.
POLLAPHUCA ...	Liffey	312	9.5	46.9	2	15,000	Kaplan	30,000	22	In commission.
GOLDEN FALLS ...	,,	312	9.5	17.4	1	4,000	Propellor	4,000	9	In commission.
LEIXLIP ...	,,	854	14.7	17.5	1	4,000	Kaplan	4,000	10	In commission.
CLIFF ...	Erne	3,950	102.1	10.0	2	10,000	Kaplan	20,000	75	In commission.
CATHALEEN'S FALL	,,	3,950	102.1	28.5	2	22,500	Kaplan	45,000	165	In commission.
CARRIGADROHID ...	Lee	610	18.2	13.55	1	8,000	Kaplan	8,000	17	Under construction.
INNISCARRA ...	,,	790	27.5	29.4	1 1	15,000 4,000	Kaplan Kaplan	19,000	51	Under construction.
CLADY ...	Clady	80	3.9	57.85	1	4,000	Francis	4,000	13	Under construction.

Particulars of Generating Plant *continued*

(*b*) STEAM STATIONS

Station	Generating Sets					Boilers			Fuel	Remarks
	No.	kW	Psi	°F.	Type of cooling	No.	klb/hr	Type of firing		
PIGEON HOUSE (Dublin)	1 1 2 2	5,000 10,000 20,000 20,000	250	750	Estuary ...	11	100	Mech. stoker ...	Coal ...	In commission.
TOTAL ...		95,000					1,100			
NORTH WALL (Dublin)	1 2	12,500 16,000	400	800	Estuary ...	4 2	40 165	Oil-fired ...	Oil ...	In commission.
TOTAL ...		44,500					490			
PORTARLINGTON (Co. Laoise) ...	2	12,500	400	800	Tower ...	3	150	Mech. stoker ...	Sod peat	In commission.
TOTAL ...		25,000					450			
ALLENWOOD (Co. Kildare)	2	20,000	400	800	Tower ...	4	150	Mech. stoker ...	Sod peat	In commission.
TOTAL ...		40,000					600			
MARINA (Cork)	2	30,000	600	850	Tidal river	3	200	P.F. and oil-fired	Coal or oil	In commission.
TOTAL ...		60,000					600			
RINGSEND (Dublin)	3	30,000	600	850	Estuary ...	4	200	P.F. and oil-fired	Coal or oil	Under construction.
TOTAL ...		90,000					800			
FERBANE (Co. Offaly)	3	20,000	400	800	Towers ...	3	220	P.F. ...	Milled peat	Under construction.
TOTAL ...		60,000					660			

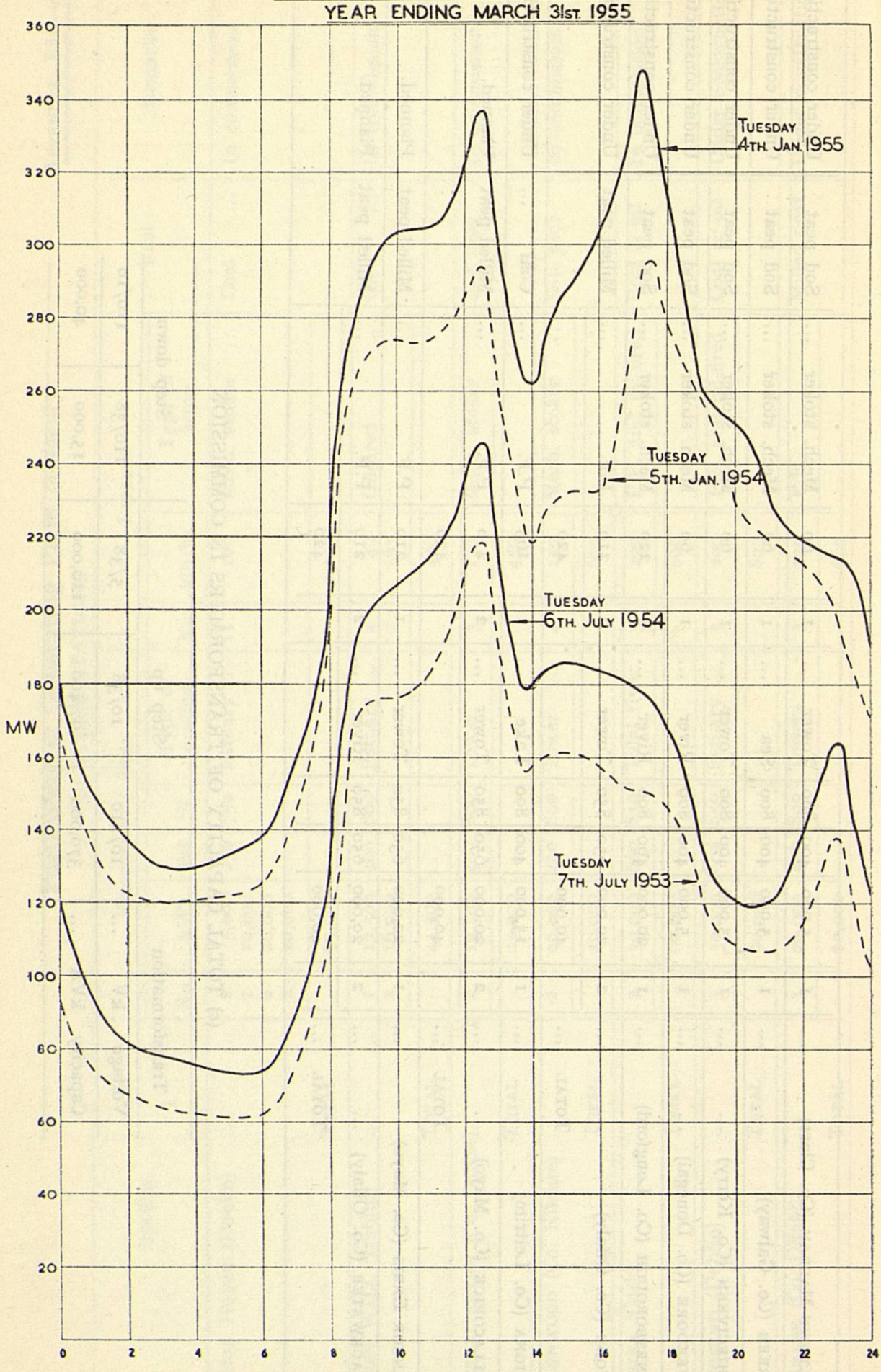
Miltown-Malbay (Co. Clare) ...	1	5,000	400	800	Tower ...	1	60	Mech. stoker ...	Sod peat	Under construction.
Screeb (Co. Galway)	1	5,000	400	800	Sea ...	1	60	Mech. stoker ...	Sod peat	Under construction.
Cahirciveen (Co. Kerry)	1	5,000	400	800	Tower ...	1	60	Mech. stoker ...	Sod peat	Under construction.
Gweedore (Co. Donegal)	1	5,000	400	800	River ...	1	60	Mech. stoker ...	Sod peat	Under construction.
Lanesborough (Co. Longford) ...	1	20,000	400	800	River ...	1	220	Mech. stoker ...	Sod peat	Under construction.
Rhode (Co. Offaly)	2	20,000	650	850	Tower ...	2	210	P.F. ...	Milled peat	Under construction.
Total ...		40,000					420			
Arigna (Co. Leitrim)	1	15,000	400	800	Lake ...	1	165	P.F. ...	Coal ...	Under construction.
Bellacorick (Co. Mayo)	2	20,000	650	850	Tower ...	2	210	P.F. ...	Milled peat	Planned.
Total ...		40,000					420			
Bangor Erris (Co. Mayo) ...	1	20,000	650	850	Tower ...	1	210	P.F. ...	Milled peat	Planned.
Blackwater (Co. Offaly)	2	20,000	650	850	River ...	2	210	P.F. ...	Milled peat	Planned.
Total ...		40,000					420			

(*c*) TOTAL CAPACITY OF TRANSFORMERS IN COMMISSION

Transformation	Step up			Step down	
Voltage kV ...	10/110	10/38	5/38	110/38	110/10
Capacity kVA ...	370,000	97,400	110,000	15,000	40,000

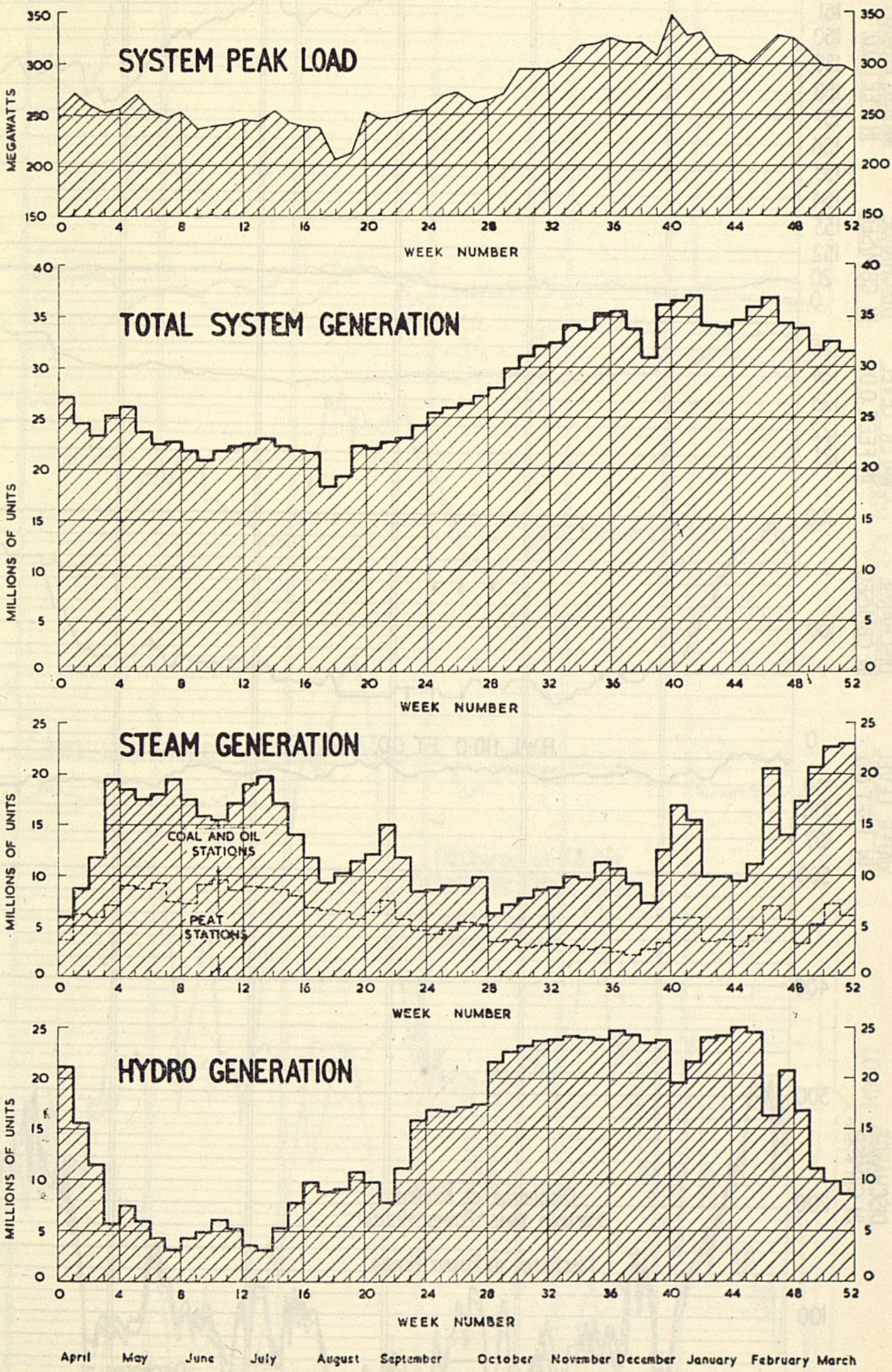
APPENDIX VIII

TYPICAL DAILY GENERATION LOAD CURVES
YEAR ENDING MARCH 31ST. 1955

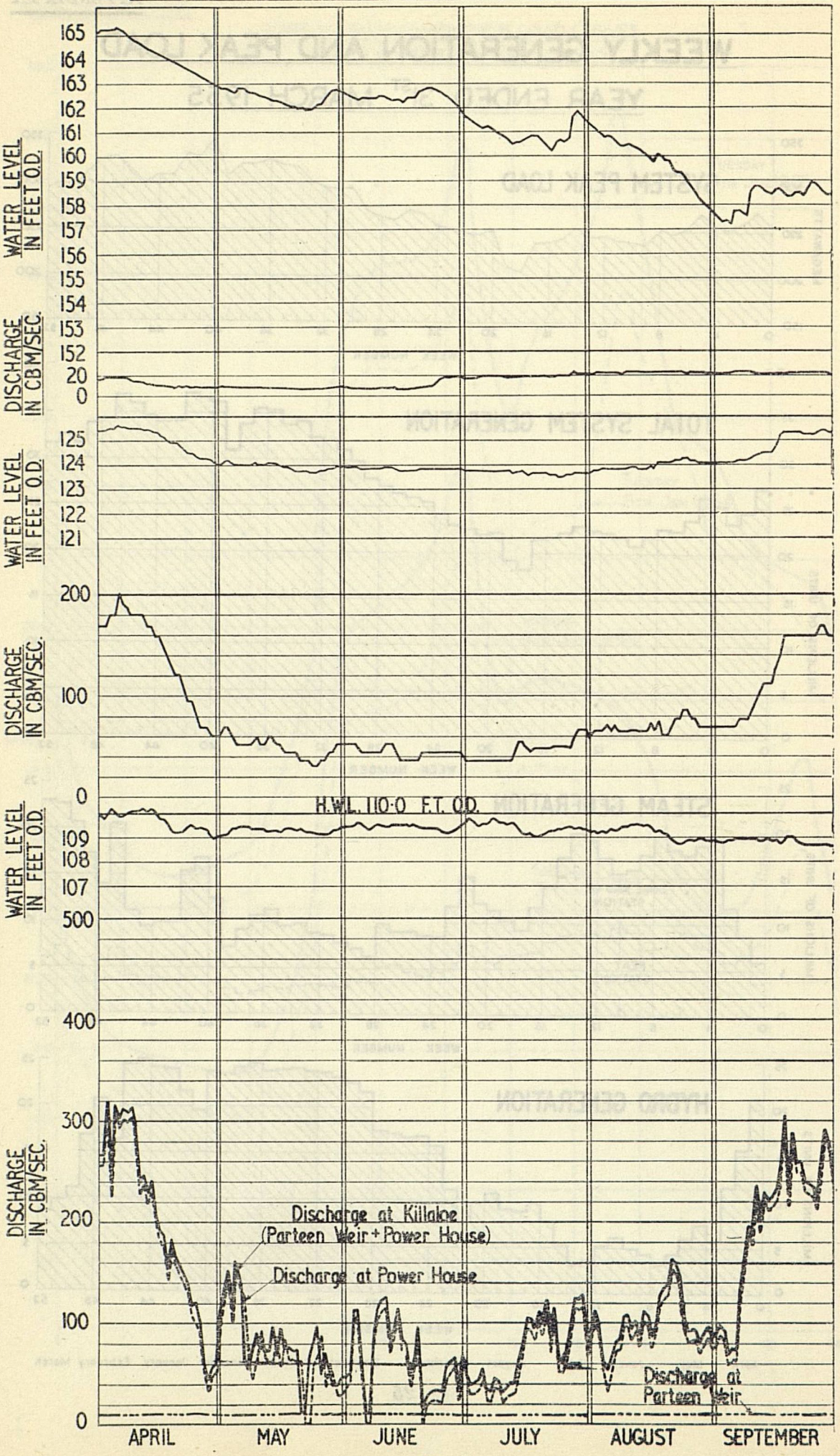


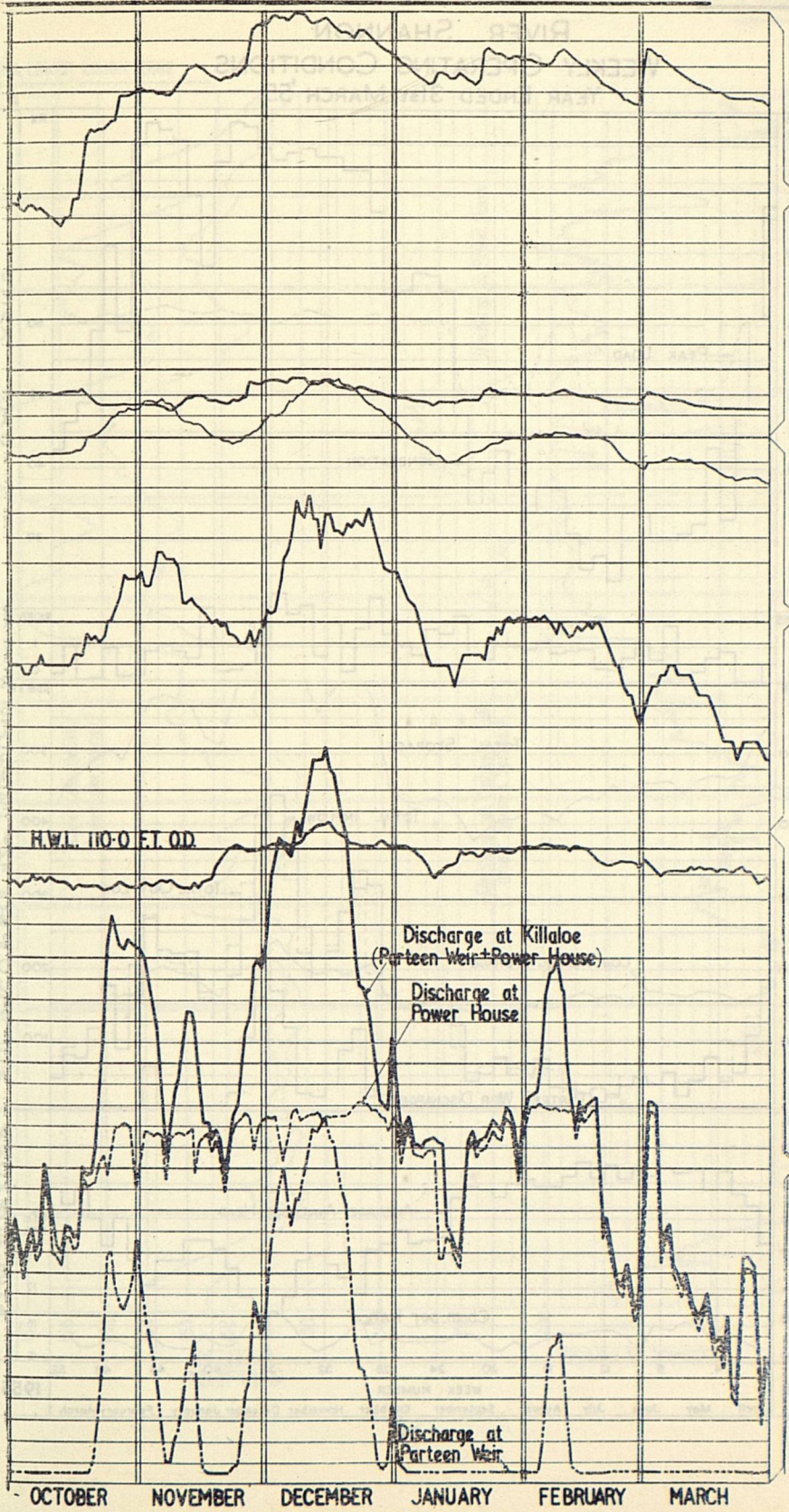
WEEKLY GENERATION AND PEAK LOAD

YEAR ENDED 31ST MARCH 1955



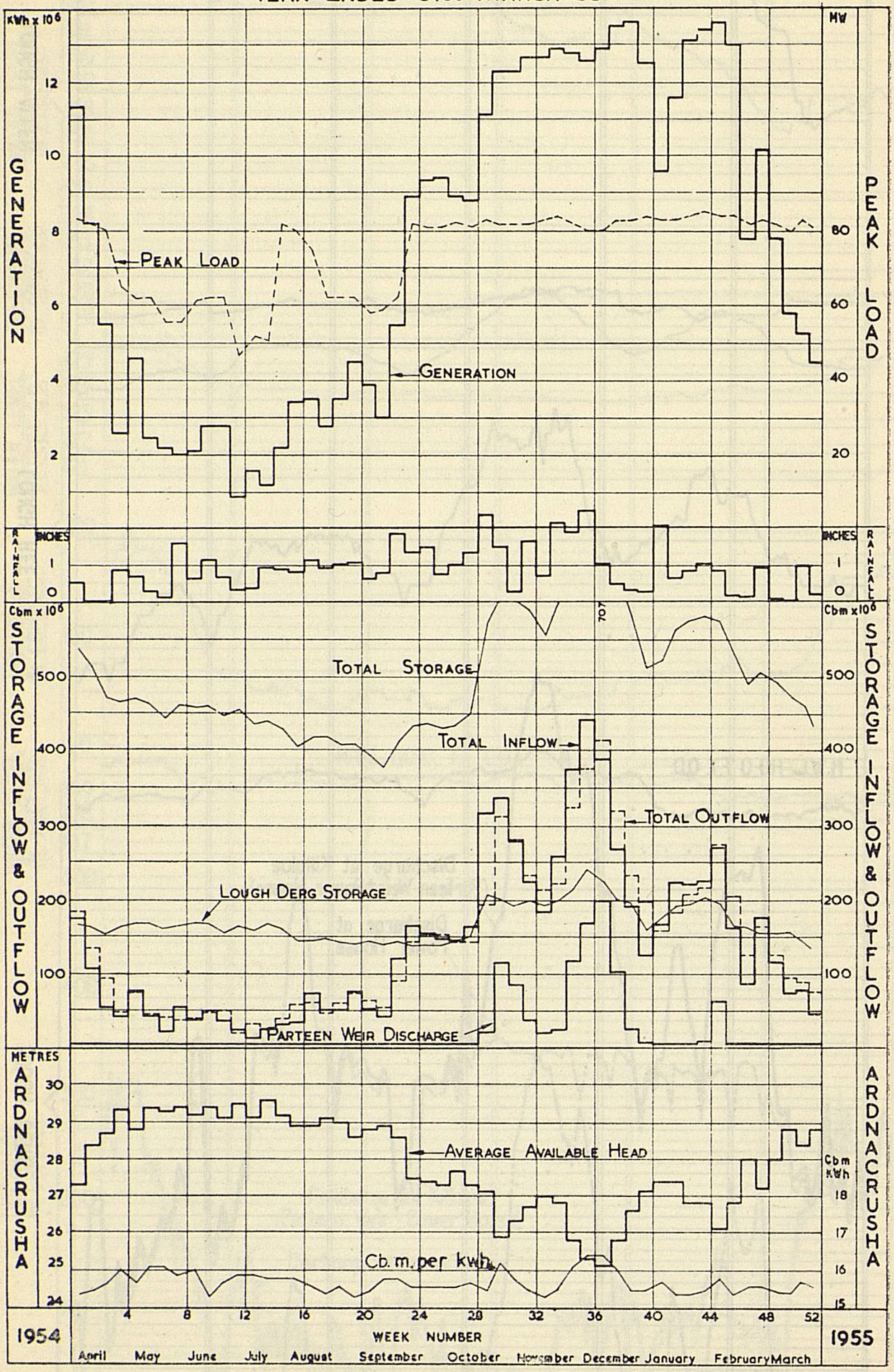
WATER LEVELS & DISCHARGES OF LOUGHS ALLEN,



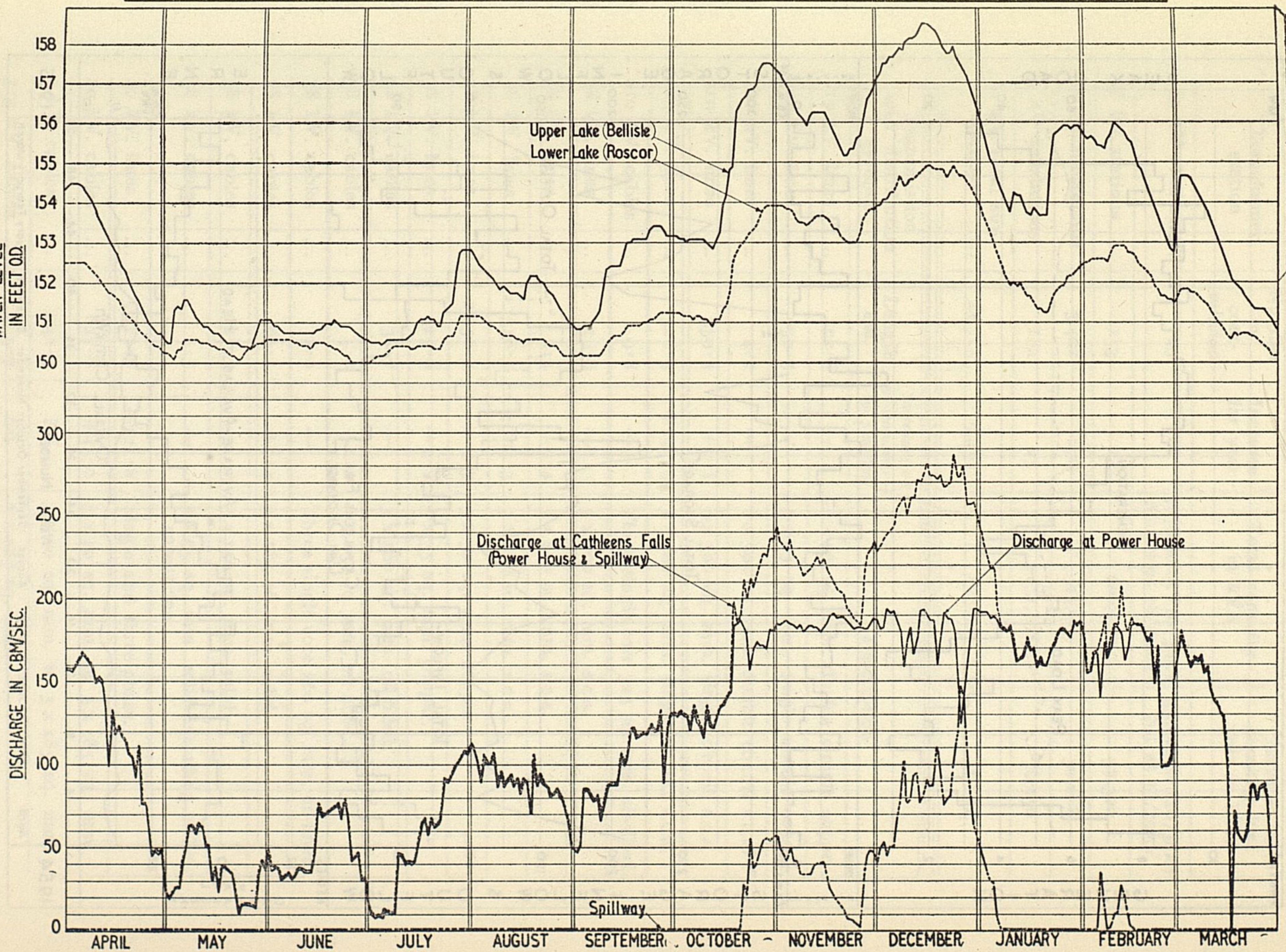

REE & DERG FOR YEAR ENDING 31ST MARCH 1955.
LOUGH ALLEN
LOUGH REE
LOUGH DERG
H.W.L. 110·0 F.T. O.D.
Discharge at Killaloe
(Parteen Weir + Power House)
Discharge at
Power House
Discharge at
Parteen Weir
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH

APPENDIX XI

RIVER SHANNON
WEEKLY OPERATING CONDITIONS
YEAR ENDED 31st MARCH '55



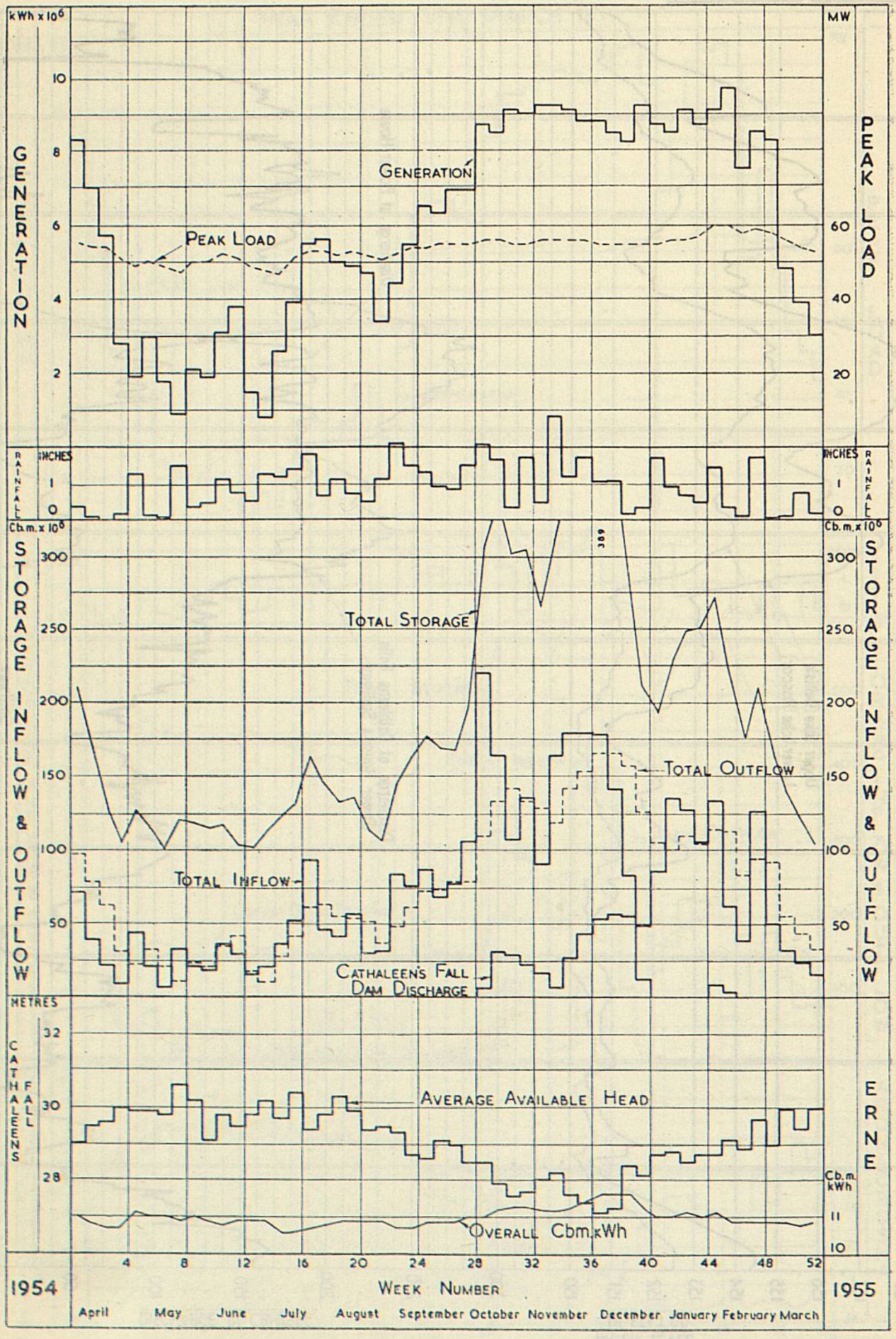
WATER LEVELS & DISCHARGES OF LOWER RIVER ERNE FOR YEAR ENDING 31ST MARCH 1955.



APPENDIX XIII

RIVER ERNE WEEKLY OPERATING CONDITIONS

YEAR ENDED 31ST MARCH 1955



Transmission and Distribution Systems in Commission at 31st March, 1955

Transformer station	Number in commission	Increase for year	Total capacity in kVA	Increase in capacity for year in kVA
110 kV stations ...	13	Nil.	495,000 at 110/38kV 55,200 at 38/10kV	45,000 at 110/38kV Nil at 38/10kV
38 kV stations ...	153	14	600,200	57,300
10 kV substations	3,422	170	425,963	30,668
5 kV substations	182	15	134,188	10,450
10 kV rural substations ...	23,715	5,439	139,906	31,892

Transmission and distribution systems	Length km.	Increase (+) or decrease(—) for year km.	Description
110 kV. lines ...	192·6	—	6 x 95 sq. mm. double circuit copper.
110 kV. lines ...	750·5	—	3 x 95 sq. mm. single circuit copper.
110 kV. lines ...	4·1	—	6 x 300 sq. mm. double circuit s.c.a.
110 kV. lines ...	359·3	+0·1	3 x 300 sq. mm. single circuit s.c.a.
110 kV. lines ...	526·5	+194·3	3 x 200 sq. mm. single circuit s.c.a.
110 kV. cables ...	9·8	—	Three single core 325 sq. mm. oil-filled.
38 kV. lines ...	15·6	—	3 x 300 sq. mm. s.c.a.
38 kV. lines ...	2·4	+2·4	3 x 200 sq. mm. s.c.a.
38 kV. lines ...	318·1	+104·3	3 x 100 sq. mm. s.c.a.
38 kV. lines ...	2,456·1	—0·7	3 x 50 sq. mm. copper.
38 kV. lines ...	325·6	—2·2	3 x 35 sq. mm. copper.
38 kV. cables ...	36·7	—	3 x 260 sq. mm. oil-filled.
38 kV. cables ...	4·0	+2·0	3 x 130 sq. mm. oil-filled.
38 kV. cables ...	2·0	—	Three single core 260 sq. mm. oil-filled.
38 kV. cables ...	69·1	+0·4	3 x 185 sq. mm. solid.
38 kV. cables ...	27·7	—	3 x 150 sq. mm. solid.
38 kV. cables ...	1·5	—	3 x 95 sq. mm. solid including 1 km. submarine.
10 kV. lines ...	5,211·6	+121·8	Single and three-phase.
10 kV. cables ...	627·8	+45·0	3 x 10 sq. mm. to 3 x 185 sq. mm.
5 kV. cables ...	242·3	Nil.	3 x 10 sq. mm. to 3 x 185 sq. mm.
3·3 kV. cables ...	3·7	Nil.	3 x 185 sq. mm.
10 kV. and l.t. rural lines ...	33,324	+7,998	Single and three-phase.

Permitted Electricity Undertakings at 31st March, 1955

The type of generator used is shown hereunder in column 4 as follows :—
Hydro = H ; Oil = O ; Hydro and Oil = H & O

(1) Town	(2) Population (1951)	(3) Name of undertaker	(4) Type of generator	(5) No. of consumers	(6) Normal Tariffs per Unit for			(7) Units sold, year ended 31st March, 1955
					Lighting	Heating and cooking	Power	
Ballysodare, Co. Sligo ...	153	W. G. & T. Pollexfen, Ltd. ...	H	51	7½d.	3d.	3d.	78,336
Belmont, Co. Offaly ...	—	Robert Perry & Co. (1927) ,Ltd. ...	H	29	6d.	6d.	3d.	8,374
Belmullet, Co. Mayo ...	676	M. McEntyre	O	156	1/2	—	11d.	28,651
Boyle, Co. Roscommon ...	1,934	John Stewart	H & O	546	Miscellaneous 3d. to ½d. per unit			565,068 estd.
					4d. to 7d.	1½d.to 2d.	3d.	
Cahirciveen, Co. Kerry	1,687	The Cahirciveen E. L. & Power Co., Ltd.	O	491	10d.	6d.	6d.	102,275
Carndonagh, Co. Donegal	633	Carndonagh Electric Supply Co.	O	226	1/–	4d.	4d.	59,100 estd.
Clonmany, Co. Donegal	151	Patrick Gallen	O	60	1/–	—	6d.	23,700 estd.
Collooney , Co. Sligo ...	364	W. A. G. Middleton, Ltd. ...	H	149	7½d.	2d.	2½d.	98,523

(1) Town	(2) Population (1951)	(3) Name of Undertaker	(4) Type of Generator	(5) No. of Consumers	(6) Normal Tariffs per Unit for			(7) Units Sold, Year ended 31st March, 1955
					Lighting	Heating and Cooking	Power	
Drumkeeran, Co. Leitrim	174	The Drumkeeran Electricity Supply Co., Ltd.	O	49	1/4	—	—	5,560
Dromahair, Co. Leitrim	262	Paul Jeiter	H	57	9d.	3d.	3d.	22,197
Dungloe, Co. Donegal	581	The Templecrone Co-op. & Agrl. Society, Ltd.	H & O	176	10d.	3d.	3d.	42,213
Falcarragh, Co. Donegal	215	Leo McGinley	O	81	1/2	—	—	18,517
Glendalough, Co. Wicklow	—	Messrs. Wynne	H	17	Included	in rent	—	129,597
Gortahork, Co. Donegal	—	Michael McFadden	O	8	1/2	6d.	—	3,678
Kenmare, Co. Kerry ...	907	Kenmare Electric Supply Co. ...	H & O	288	7d. to 10d.	3d. to 4d.	3d. and 4d.	131,287
Letterfrack, Co. Galway	—	The Superior, Industrial School ...	H & O	15	8d.	—	—	15,998
Malin, Co. Donegal ...	100	Matthew O'Doherty	O	62	1/3	6d.	6d.	7,500 estd.
Miltownpass, Co. Westmeath.	—	Miltownpass Elec. Light & Power Co., Ltd.	H	20	10d.	—	—	3,315

(1) Town	(2) Population (1951)	(3) Name of Undertaker	(4) Type of Generator	(5) No. of Consumers	(6) Normal Tariffs per Unit for			(7) Units Sold, Year ended 31st March, 1955
					Lighting	Heating and Cooking	Power	
Moville, Co. Donegal ...	969	The Moville Electric Supply Co. ...	H & O	314	9d. to 10d.	—	3d. to 4d.	122,350
Pettigo, Co. Donegal ...	243	Shaw Bros.	O	77	1/-	—	—	11,919
Waterville, Co. Kerry ...	223	Waterville Electricity Supply Co., Ltd.	O	108	1/-	7d.	—	32,788
Various Districts ...	—	Great Northern Railway Board	O	48	1.2d. to 1/-	1.2d. to 2d.	1.2d. to 3.3d.	45,478

Total number of undertakings, 24 ; total population, 9,272; total number of consumers, 3,028 ; units sold approximately, 1,557,424

NOTE : Permits have also been issued in two cases where the number of consumers is three or under : these undertakings are not shown above.

MANUAL WORKERS' TRIBUNAL

REPORT OF PROCEEDINGS IN THE YEAR ENDED 31st MARCH, 1955

In the year ended the 31st March, 1955, the Tribunal dealt with sixteen industrial disputes which were as follows:—

(1) A claim by the Amalgamated Transport & General Workers' Union in regard to protective clothing for Meter Readers in Cork No. 1 District. The claim was allowed.

(2) A claim by the Amalgamated Transport & General Workers' Union in regard to protective clothing for Installation Inspectors, Dublin No. 1 District. The claim was allowed.

(3) A claim by the Amalgamated Transport & General Workers' Union, the Workers' Union of Ireland, the Amalgamated Engineering Union, the United Stationary Engine Drivers' Union, the Irish Engineering & Foundry Union, the Irish Engineering Industrial & Electrical Trades Union and the Irish Seamen's & Port Workers' Union in regard to terminations due to redundancy at Pigeon House. The Tribunal decided that the generally accepted practice of "last in, first out" should apply except in very special circumstances. In the specific case where a dispute had arisen the Tribunal determined the order of priority accordingly.

(4) A claim by the Amalgamated Transport & General Workers' Union that Line Supervisors, Dublin No. 2 District, should be paid overtime for hours worked in excess of the normal working week. The Tribunal rejected the claim for overtime but recommended that the Board should examine the rate of pay for this category in the light of the duties and responsibilities and probable hours of work which such rate of pay is intended to cover.

(5) A claim by the Amalgamated Transport & General Workers' Union and the Irish Engineering Industrial & Electrical Trades Union that Area Electricians should be placed in Grade VIII. The Tribunal rejected the claim for grading but recommended to the Board a review of the rates of pay to Area Electricians in relation to their present duties and responsibilities.

(6) A claim by the Amalgamated Transport & General Workers' Union for an increased annual leave allowance for Meter Readers in Cork, Limerick and Waterford. The claim was allowed.

(7) Representations from the Amalgamated Transport & General Workers' Union, the Workers' Union of Ireland, the Irish Engineering & Foundry Union and the Irish Engineering Industrial & Electrical Trades Union in regard to a decision of the Tribunal concerning a claim for increased wages for semi-skilled workers at North Wall Generating Station. The decision was amplified by the Tribunal.

(8) A claim by the Electrical Trades Union (Ireland) for increased pay for Instrument Mechanics, Pigeon House. The claim was rejected.

(9) A claim by the Amalgamated Transport and General Workers' Union on behalf of a member that he should receive an annual lump sum payment in return for his loss of prospective pro-

motion arising out of his transfer from the service of the Dublin Corporation. The Tribunal decided that the evidence adduced did not substantiate the claim.

(10) A claim by the Amalgamated Transport and General Workers' Union for provision of machinery to enable Minor Clerks in Central Stores and Polefield to progress to Scale A. The Tribunal rejected the claim but recommended that the Board enquire into the number of minor clerks in categories A, B and C respectively with a view to some increase in the number in A to provide greater scope for promotion for those in categories B and C.

(11) A claim by the Electrical Trades Union (Ireland) for increased wages for Senior Electricians. Increased pay was allowed.

(12) A claim by the Amalgamated Transport and General Workers' Union and the Electrical Trades Union ((Ireland) in regard to the grading of Ungraded Station Operators. The Tribunal rejected the claim but allowed an increase in pay to this category in a generating station where there is more than one set in operation. In the case of Transmission and Distribution Stations, the Tribunal decided that the pay of Operators should be suitably increased when such stations become responsible for subsidiary stations which are presently staffed.

(13) A claim by the Amalgamated Transport & General Workers' Union in regard to the rate of pay of Divers' Assistants at Ardnacrusha. An increase in pay was allowed.

(14) A claim by the E.S.B. Group of Unions affiliated to the Irish Trade Union Congress for increased wages for Casual Rural labourers. Increased pay was allowed.

(15) A claim by the Amalgamated Engineering Union on behalf of an employee that he should be appointed to the position of Workshop Foreman. The claim was withdrawn.

(16) A claim by the Irish Engineering Industrial & Electrical Trade Union, the Electrical Trades Union (Ireland), the Irish Engineering & Foundry Union, the Irish Transport & General Workers' Union, the Amalgamated Transport & General Workers' Union and the Amalgamated Engineering Union for increased subsistence allowances, overtime rates and "call out" rates for manual staff. The Tribunal decided that the evidence adduced did not sustain the claim for increased subsistence allowances and that no change should be made in overtime rates. The claim for increased "call out" rates was allowed.

At the close of the period under review four claims were sub judice and notice had been received of five further disputes.

(Signed) J. J. O'LEARY, *Chairman.*

R. F. BROWNE, *Member.*

GILBERT LYNCH, *Member.*

(Signed) C. DOWLING, *Secretary.*

Date: 7th May, 1955.

GENERAL EMPLOYEES' TRIBUNAL

REPORT OF PROCEEDINGS IN THE YEAR ENDED 31st MARCH 1955

In the year ended the 31st March, 1955, the Tribunal dealt with ten disputes under Section 5 of the Electricity (Supply) (Amendment) Act, 1949. The disputes were as follows:—

(1) A claim by engineers temporarily employed for the application of the Board's general cost of living revision of salaries. The claim was rejected.

(2) Claims by certain draughtsmen concerning (a) the application of the Board's general cost of living revision of salaries to temporary draughtsmen, (b) the point of entry into the Board's scales on appointment to the regular staff and (c) the minimum starting salary for new entrants. The Tribunal decided that the salary revision should apply to those who were on the staff at a specified date and fixed the salary points for the claims under (b) and (c).

(3) A claim for a five-day working week. The Tribunal decided that in the absence of any generally established practice amongst commercial concerns, the proposal should be deferred.

(4) A claim by an officer for promotion from Grade VIIB to VI. The Tribunal decided to award Grade VIIA with a fixed annual allowance.

(5) A claim by an officer for promotion from Grade VIIB to Grade VIIA. The claim was rejected.

(6) A dispute arising out of the Board's proposals to change the weekly half holiday of showrooms staff and in some instances to extend the hours of work. The Tribunal was not satisfied that adequate evidence was submitted to justify the proposals.

(7) A claim by officer shift staff arising out of an adjustment of the annual leave allowances which was effected by the Board following on the introduction of reduced working hours. The Tribunal decided that the number of weeks annual leave should not be subject to alteration because of a reduction in working hours.

(8) A claim for a minimum of Grade VIIB for Installation Supervisors. The Tribunal rejected the claim.

(9) A claim for the appointment of Assistant Installation Supervisors in all districts. The Tribunal was not satisfied that appointments should be made in all districts but considered that the Board should keep under constant review the factors which would justify appointments. The Tribunal decided to review the position in twelve months, if necessary.

(10) A claim by the officer personnel staff that a proportion of the annual leave allowance might be taken in half days. The Tribunal adjourned consideration.

One claim was withdrawn from the Tribunal following the preliminary hearing. Two claims were referred back to the Board for re-consideration and were settled subsequently without further hearing. Consideration of one claim was deferred pending the outcome of further investigation into it by the Board. Three claims were outstanding at the close of the year.

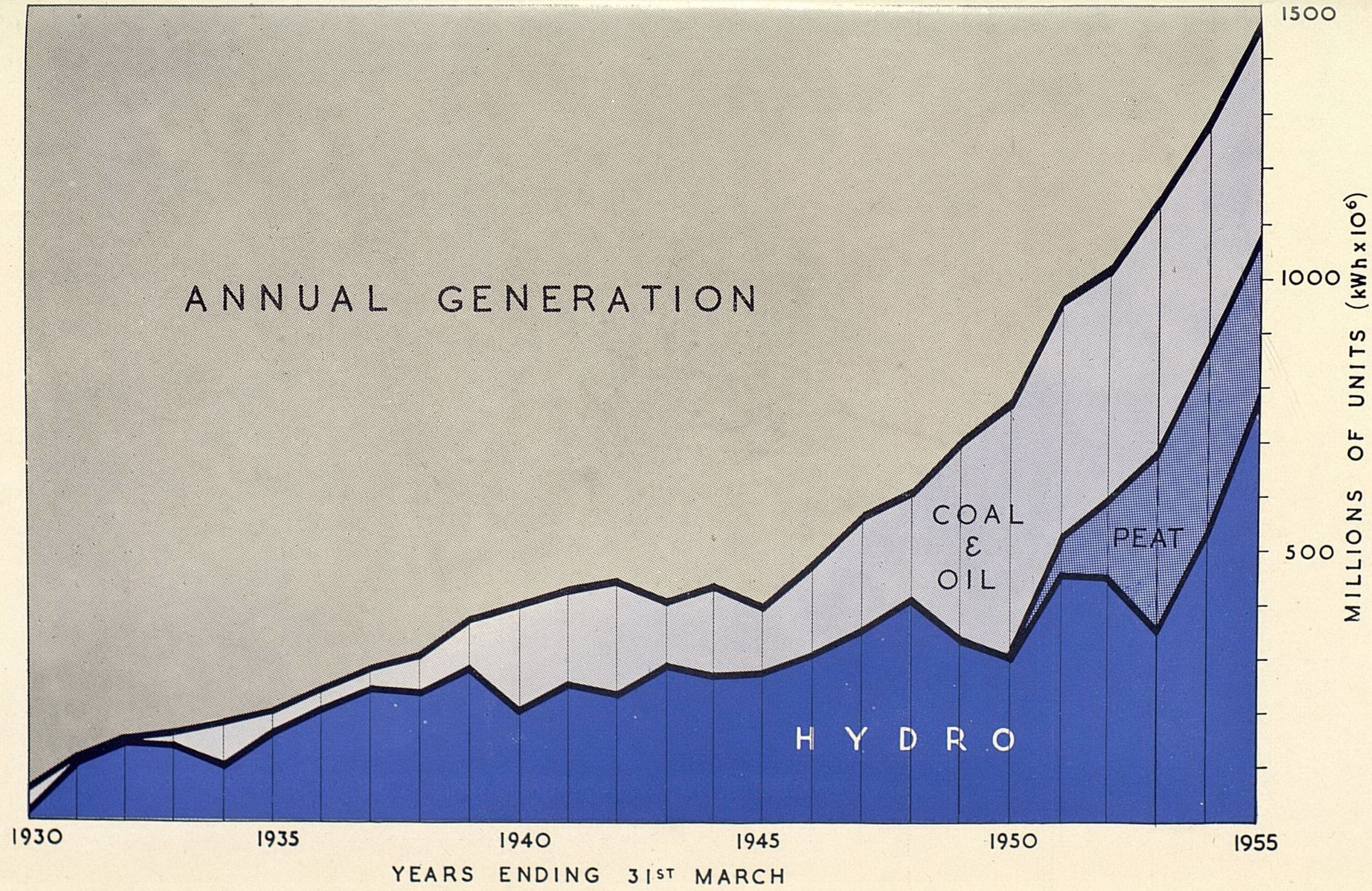
Tribunal Membership.

Under the provisions of Section 3 of the Electricity (Supply) (Amendment) Act, 1949, the five years' term of office of the member elected by the General Employees expired on December 14th, 1954. In pursuance of the Electricity Supply Board (Appointment of Member of Tribunal) Regulations, 1949, Mr. M. R. Blair, a member of the Board's officer personnel staff, was duly elected an Ordinary Member of the Tribunal.

(Signed) J. J. O'LEARY, Chairman.
M. R. BLAIR, *Member.*
R. F. BROWNE, *Member.*

(Signed) J. A. QUINN, *Secretary.*

Date: 5th May, 1955.

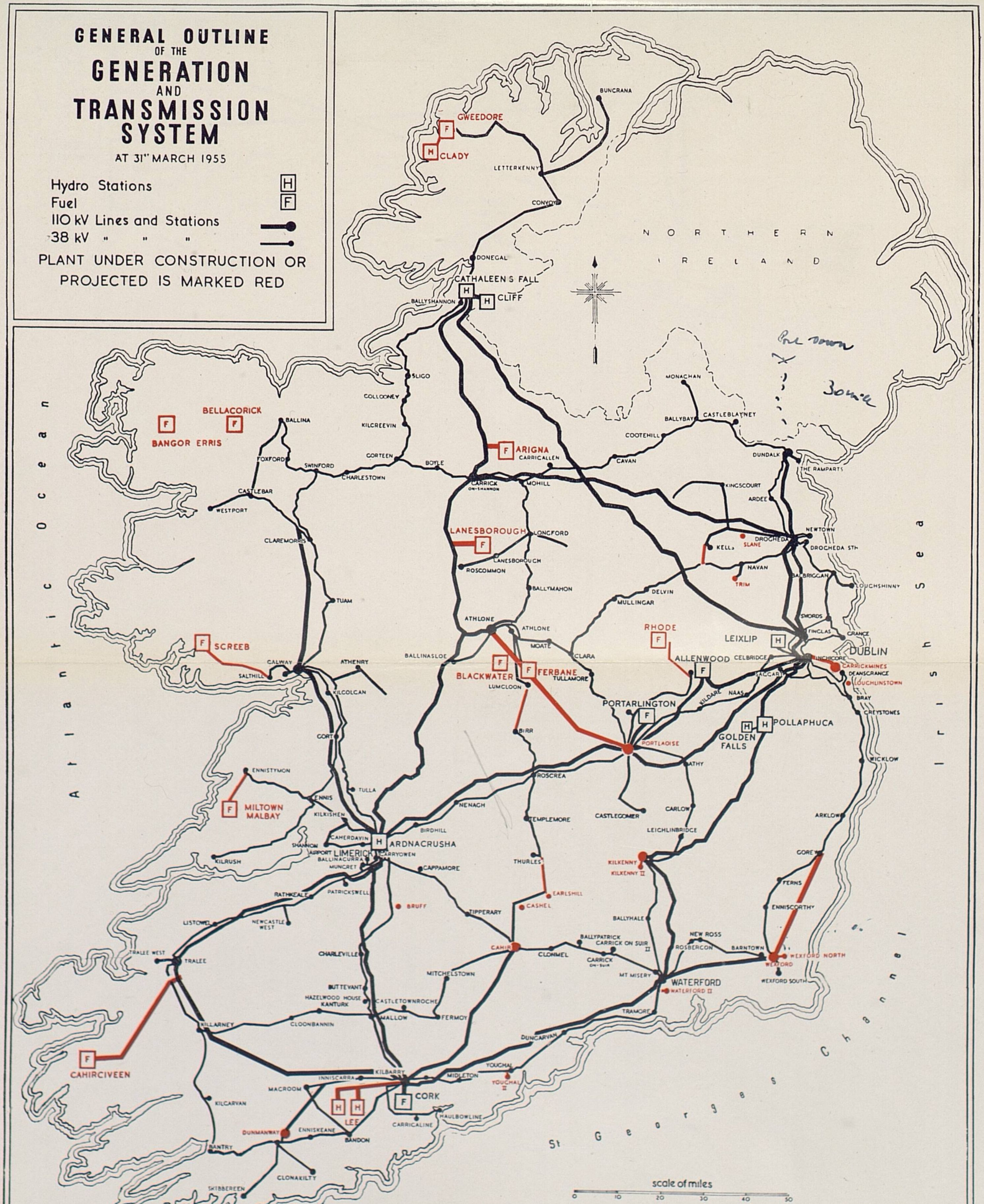

ANNUAL GENERATION
COAL & OIL
PEAT
HYDRO
1500
1000
500
MILLIONS OF UNITS (kWh x 10⁶)
1930
1935
1940
1945
1950
1955
YEARS ENDING 31ST MARCH

GENERAL OUTLINE OF THE GENERATION AND TRANSMISSION SYSTEM

AT 31ST MARCH 1955

Hydro Stations [H]
Fuel [F]
110 kV Lines and Stations
38 kV " " "

PLANT UNDER CONSTRUCTION OR PROJECTED IS MARKED RED



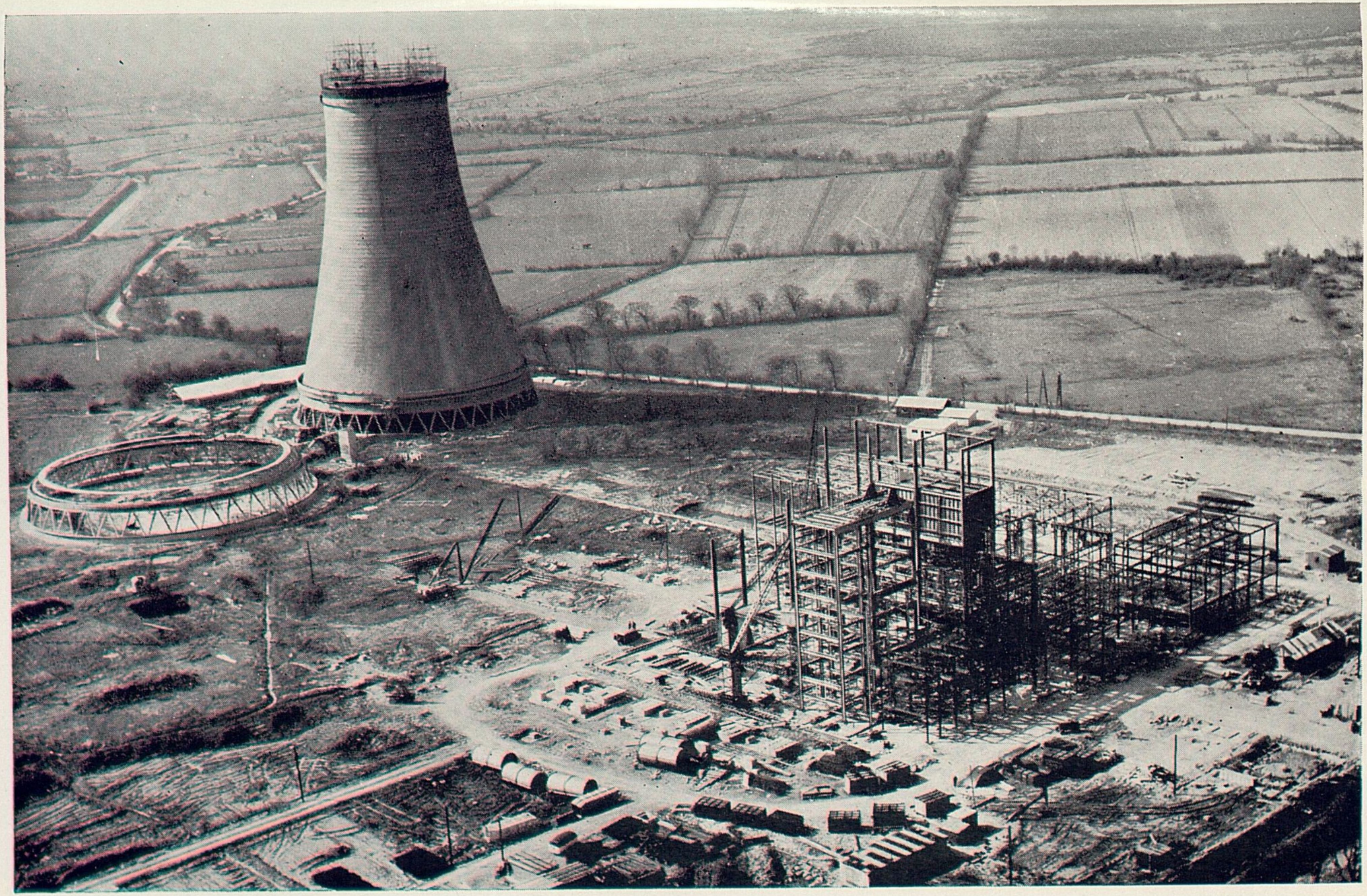
CATHALEENS FALL
45 MW
CLIFF
20 MW
CLADY
4 MW
GWEEDORE
5 MW
BELLACORICK
40 MW
ARIGNA
15 MW
BANGOR ERRIS 20 MW
CARRICK-ON-SHANNON
LANESBOROUGH
20 MW
RHODE
40 MW
ATHLONE
SCREEB
5 MW
GALWAY
BLACKWATER
40 MW
FERBANE
60 MW
PORTARLINGTON
25 MW
ALLENWOOD
40 MW
DUNDALK
DROGHEDA
FINGLAS
EAST WALL ROAD
NORTH WALL
44·5 MW
INCHICORE
FLEET STREET
PIGEON HOUSE
95 MW
MILTOWN MALBAY
5 MW
ARDNACRUSHA
85 MW
PORTLAOISE
LEIXLIP
4 MW
D U B L I N
AT 38 kV
RINGSEND
90 MW
GOLDEN FALLS
4 MW
CARRICKMINES
POLLAPHUCA
30 MW
MILLTOWN
CAHIR
KILKENNY
TRALEE
KILBARRY
CARRIGADROHID
8 MW
INNISCARRA
19 MW
CAHIRCIVEEN
5 MW
CORK
60 MW
WATERFORD
WEXFORD

GENERATING STATIONS & MAIN TRANSMISSION SYSTEM

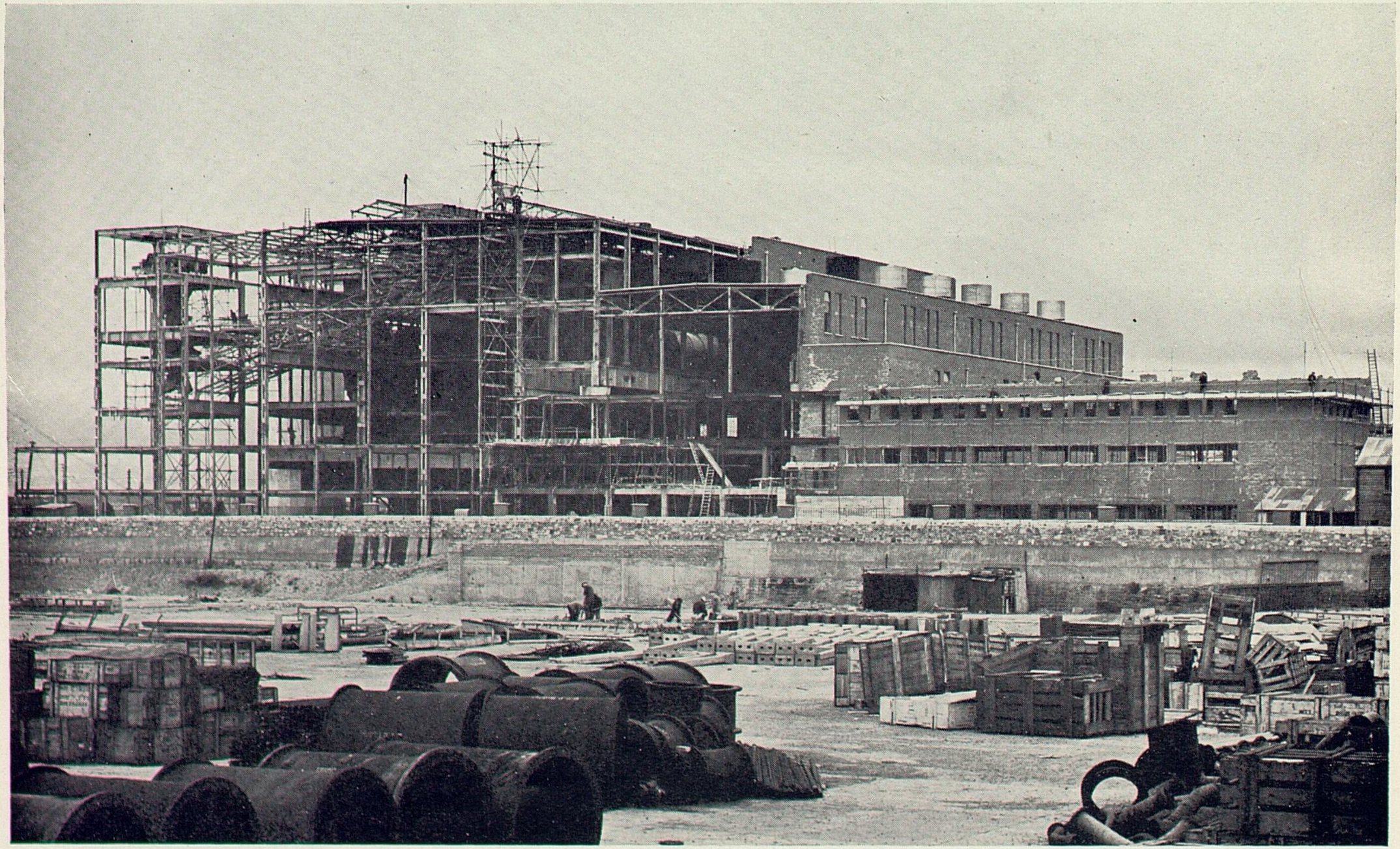
AT 31st MARCH 1955

(H) ..... Hydro-electric Generating Station
[F] ..... Fuel-burning Generating Station
△T ..... Transformer Station
110 kV Transmission Circuit
38 kV " "
10 kV " "

PLANT UNDER CONSTRUCTION OR PROJECTED IS MARKED RED



THE MILLED PEAT GENERATING STATION UNDER CONSTRUCTION NEAR FERBANE, OFFALY.



THE GENERATING STATION NEARING COMPLETION AT RINGSEND, DUBLIN, WILL USE EITHER COAL OR OIL.



THE MARINA GENERATING STATION, CORK, FLOODLIT FOR AN TÓSTAL.

ACCOUNTS

No. 1. ELECTRICITY PRODUCTION ACCOUNT FOR

	1 Fuel £	2 Operating Expenses £	3 Maintenance and Repair £	4 Supervision and Local Administration £
GENERATION				
Coal/Oil Stations:—				
Pigeon House ...	340,201	96,851	79,784	48,125
North Wall ...	324,249	38,654	25,639	10,727
Marina	340,238	21,276	3,912	22,236
Peat Stations:—				
Portarlington ...	398,640	35,151	30,129	11,643
Allenwood ...	552,962	36,536	38,479	18,276
Total—Fuel Stations ...	1,956,290	228,468	177,943	111,007
Hydro Stations:—				
Shannon	—	30,448	56,150	34,903
Erne	—	18,268	17,554	22,999
Liffey	—	11,157	16,062	11,146
Total—Hydro Stations	—	59,873	89,766	69,048
Total—All Stations ...	1,956,290	288,341	267,709	180,055
TRANSMISSION	—	41,934	137,156	68,631
ELECTRICITY purchased in bulk and other expenditure attributable to generation	—	—	—	—
	1,956,290	330,275	404,865	248,686

THE YEAR ENDED 31st MARCH, 1955.

5 WORKS COST (1—4) £	Per Unit Sent Out (Pence) 1954/55	Per Unit Sent Out (Pence) 1953/54	6 Depreciation and Renewals £	7 Interest £	8 Capital Repayments £	TOTAL 1954/55 £	TOTAL 1954/55 Per Unit Sent Out (Pence)	TOTAL 1953/54 £	TOTAL 1953/54 Per Unit Sent Out (Pence)
564,961	1·484	1·159	82,000	69,514	15,697	732,172	1·923	1,478,257	1·338
399,269	·758	·776	73,000	70,052	15,819	558,140	1·059	482,863	·939
387,662	·637	—	114,000	123,480	27,884	653,026	1·072	—	—
475,563	·947	·922	72,000	51,371	11,600	610,534	1·216	670,172	1·119
646,253	1·027	·946	81,000	83,396	18,832	829,481	1·318	912,135	1·182
2,473,708	·934	·991	422,000	397,813	89,832	3,383,353	1·278	3,543,427	1·185
121,501	·074	·111	49,000	177,090	39,990	387,581	·237	400,668	·344
58,821	·046	·061	73,000	182,690	41,254	355,765	·276	341,903	·381
38,365	·145	·315	26,000	63,047	14,237	141,649	·536	150,273	1·097
218,687	·069	·103	148,000	422,827	95,481	884,995	·277	892,844	·405
2,692,395	·461	·612	570,000	820,640	185,313	4,268,348	·731	4,436,271	·852
—	—	—	289,000	345,881	78,106	960,708	—	832,875	—
—	—	—	—	—	—	13,706	—	20,365	
—	—	—	859,000	1,166,521	263,419				
				Total Production Cost ...		5,242,762		5,289,511	
				Transferred to Revenue Accounts :					
				Non-rural ...	4,406,515			4,523,254	
				Rural ...	836,247			766,257	
						5,242,762		5,289,511	

No. 2. **ELECTRICITY (NON-RURAL) REVENUE ACCOUNT**

Dr.

	£	£	1953/54 £
To Electricity Production Account		4,406,515	4,523,254
„ Distribution Charges :			
Operating expenses	395,365		
Maintenance and repair ...	194,260		
Reserve for depreciation and renewals	345,000		
Interest	385,376		
Capital repayments	87,024		
Supervision and local administration	471,708		
		1,878,733	1,825,126
„ General Administration :			
Board, secretariat, and consultants :			
Salaries and wages	101,310		
Travelling expenses	3,698		
Office expenses	18,604		
Engineering :			
Salaries and wages	140,271		
Travelling expenses	9,585		
Office expenses	27,645		
Accounting :			
Salaries and wages	143,444		
Travelling expenses	4,114		
Office expenses	11,675		
Audit fee	2,000		
Sales promotion and publicity :			
Salaries and wages	65,234		
Travelling	3,036		
Office expenses	17,462		
Advertising	33,600		
Maintenance of office buildings and equipment	14,150		
General expenses :			
Insurance	57,454		
Medical benefits	4,834		
Capital charges—general assets...	141,755		
Provision for bad debts ...	50,300		
Depreciation of stocks of material	3,586		
	853,757		
Less : apportionments charged to :			
Rural Revenue Account ...	139,192		
Capital works and other accounts	66,085		
		648,480	584,403
„ Balance, carried to Profit and Loss Account		770,618	178,767
		£7,704,346	£7,111,550

FOR THE YEAR ENDED 31st MARCH, 1955.

Cr.

			1953/54
	£	£	£
By CHARGES FOR ELECTRICITY:			
General consumers ...	7,402,537		
Public lighting ...	... 228,454		
Meter and other rents ...	73,355		
		7,704,346	7,111,550
		£7,704,346	£7,111,550

No. 3. **ELECTRICITY (RURAL) REVENUE ACCOUNT**

Dr.

	£	£	1953/54 £
To ELECTRICITY PRODUCTION ACCOUNT... ...		836,247	766,257
,, DISTRIBUTION CHARGES :			
Operating expenses	59,448		
Maintenance and repair ...	78,563		
Reserve for depreciation and renewals	283,000		
Interest	226,872		
Capital repayments	33,695		
Supervision and local administration	116,768		
		798,346	546,188
,, GENERAL ADMINISTRATION		139,192	103,148
,, BALANCE, carried to Profit and Loss Account		44,130	—
		£1,817,915	£1,415,593

No. 4.

Dr. **ELECTRICITY PROFIT AND LOSS ACCOUNT**

	£	£	1953/54 £
To Interest payable to Minister for Finance	2,084,216		
,, Interest on loan of an acquired undertaking	143		
,, Other interest	361,572		
	2,445,931		2,145,356
Deduct apportionments charged to :			
Production Account ...	1,166,521		
Non-rural Revenue Account ...	385,376		
Rural Revenue Account ...	226,872		
Administration	73,220		
Installations Account	11,800		
Merchandise Sales Account ...	4,000		
Capital works	578,142	—	(–)2,145,356
,, Reserves, being the amount of capital repaid in respect of :			
Advances from the Minister for Finance	400,195		
Acquired undertaking ...	477		
	400,672		357,528
Deduct apportionments charged to :			
Production Account	263,419		
Non-rural Revenue Account ...	87,024		
Rural Revenue Account ...	33,695		
Administration	16,534	—	(–)357,528
,, 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
,, BALANCE, carried to Net Revenue Account ...		883,409	233,209
		£883,409	£234,798

FOR THE YEAR ENDED 31st MARCH, 1955.

Cr.

	£	£	1953/54 £
By CHARGES FOR ELECTRICITY:			
General consumers ...	1,794,020		
Public lighting	13,412		
Meter and other rents	10,483		
		1,817,915	1,405,605
,, BALANCE, carried to Profit and Loss Account ...		—	9,988
		£1,817,915	£1,415,593

FOR THE YEAR ENDED 31st MARCH, 1955. *Cr.*

	£	£	1953/54 £
By Balances transferred from:			
Non-rural Revenue Account ...	770,618		
Rural Revenue Account ...	44,130		
		814,748	168,779
,, Miscellaneous revenue		42,995	38,265
,, Interest receivable		25,666	27,754
		£883,409	£234,798

No. 5. **INSTALLATIONS TRADING ACCOUNT FOR**

Dr

			1953/54
	£	£	£
To Cost value of work for which credit had not been taken at 31st March, 1954		57,909	49,829
„ Cost of installation work carried out during the year		355,393	261,108
„ Gross profit, carried down		83,931	68,002
		£497,233	£378,939
To Salaries, wages and State insurance	£ 30,810		
„ Travelling expenses	3,521		
„ Rents and rates	453		
„ Sundry expenses	2,358		
„ General overhead expenses and interest, as apportioned	22,207		
		59,349	60,882
„ Balance, carried to Net Revenue Account		24,582	7,120
		£83,931	£68,002

No. 6. **MERCHANDISE TRADING ACCOUNT FOR**

Dr.

			1953/54
	£	£	£
To Cost of goods sold		485,196	346,172
„ Direct costs in connection with sales		32,663	23,283
„ Gross profit, carried down		144,683	91,382
		£662,542	£460,837
To Salaries, wages, commission and State insurance	£ 53,000		
„ Travelling expenses	2,195		
„ General publicity	18,518		
„ Rents and rates	1,449		
„ Sundry expenses	5,371		
„ General overhead expenses and interest, as apportioned	26,789		
		107,322	73,764
„ Net profit, carried down		37,361	17,618
		£144,683	£91,382
To Net profit on hire purchase sales not realised at 31st March, 1955		87,453	70,760
„ Balance, carried to Net Revenue Account		20,668	2,338
		£108,121	£73,098

THE YEAR ENDED 31st MARCH, 1955.

Cr.

		1953/54
	£	£
By Credit taken for contracts completed and charged	429,302	321,030
„ Cost value of work for which credit has not yet been taken	67,931	57,909
	£497,233	£378,939
By Gross profit, brought down	83,931	68,002
	£83,931	£68,002

THE YEAR ENDED 31st MARCH, 1955.

Cr.

		1953/54
	£	£
By Sales	662,542	460,837
	£662,542	£460,837
By Gross profit, brought down	144,683	91,382
	£144,683	£91,382
By Net profit, brought down	37,361	17,618
„ Net profit on hire purchase sales not realised at 31st March, 1954	70,760	55,480
	£108,121	£73,098

No. 7. *Dr.*

ELECTRICITY NET REVENUE ACCOUNT

		1953/54
	£	£
To Balance, carried down	928,659	242,667
	£928,659	£242,667
To Transfer to reserve for renewals, of credits (per contra), as additional provision for the renewal of plant	160,239	142,193
,, Composition in discharge of future "Walking Time" payments to Pigeon House staff	43,639	—
,, Income Tax reserve	100,000	—
,, Fuel equalisation reserve	500,000	—
,, Contingencies reserve	300,000	200,000
,, BALANCE, carried down	46,432	61,412
	£1,150,310	£403,605

FOR THE YEAR ENDED 31st MARCH, 1955.

Cr.

	£	£	1953/54 £
By Balance transferred from Profit and Loss Account		883,409	233,209
,, Installations trading profit ...	24,582		
,, Merchandise trading profit ...	20,668		
		45,250	9,458
		£928,659	£242,667
By Balance, brought down		928,659	242,667
,, Balance, brought forward from last year's account		61,412	18,745
,, Credits arising consequent on the retirement of assets and the sale of scrapped material ...		160,239	142,193
		£1,150,310	£403,605
By BALANCE, brought down		£46,432	£61,412

No. 8. **ELECTRICITY CAPITAL ACCOUNT FOR**

Dr.

	Total at 31st March, 1954 less retirements	Expenditure less retirements during year	Total at 31st March, 1955 less retirements
	£	£	£
To Generation	20,752,045	4,003,943	24,755,988
„ Transmission	9,489,484	1,393,301	10,882,785
„ Distribution	19,047,818	3,033,396	22,081,214
„ General	1,780,494	158,598	1,939,092
	£51,069,841	£8,589,238	59,659,079
„ Capital Works in Progress, including payments on account to contractors and others			12,866,456
Total of Fixed Assets, carried to Balance Sheet			£72,525,535

THE YEAR ENDED 31st MARCH, 1955.

Cr.

		Total at 31st March, 1955
	£	£
BY REPAYABLE RECEIPTS:		
Total at 31st March, 1954	48,006,059	
Add: receipts during the year	2,800,000	
	50,806,059	
Less: redemptions during the year .... (*see* Account No. 14)	400,672	50,405,387
,, NON-REPAYABLE RECEIPTS:		
Moiety of advances from the Minister for Finance under the Electricity (Supply) (Amendment) Acts, 1945 to 1954; as at 31st March, 1954	4,000,000	
Add: Moiety of advances during the year	2,800,000	
		6,800,000
Contributions from consumers and others for capital works, as at 31st March, 1954	1,037,953	
Add: net receipts during the year	28,287	
		1,066,240
,, CAPITAL RESERVES:		
Repaid capital, *less* intangible assets written off		1,882,256
Capital Assets Adjustment Reserve, representing surplus arising from revaluation		270,297
Provisions for depreciation, renewal and retirement of physical assets, together with proceeds of sale of assets, *less* physical assets retired		12,728,065
Total Capital Reserves (including non-repayable receipts)		22,746,858
TOTAL OF CAPITAL RECEIPTS AND RESERVES carried to BALANCE SHEET		£73,152,245

LIABILITIES AND RESERVES			31/3/54
	£	£	£
REPAYABLE RECEIPTS, as per CAPITAL ACCOUNT ...		50,405,387	48,006,059
CAPITAL RESERVES, as per CAPITAL ACCOUNT ...		22,746,858	17,873,016
		73,152,245	65,879,075
LOANS under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
General Employees Superannuation Fund	1,202,600		
Manual Workers Superannuation Fund	699,500		
		1,902,100	1,613,800
SUNDRY CREDITORS		3,356,992	3,080,254
RESERVES:	£		
Contingencies reserve ...	1,000,000		
Fuel equalisation reserve	500,000		
Other reserves and provisions ...	263,203		
		1,763,203	850,279
SURPLUS, as per NET REVENUE ACCOUNT ...		46,432	61,412
		£80,220,972	£71,484,820

AS AT 31st MARCH, 1955.

ASSETS	£	31/3/54 £
FIXED ASSETS, as per CAPITAL ACCOUNT ...	72,525,535	62,979,513
BOYNE DEVELOPMENT SUSPENSE ACCOUNT ...	61,734	61,734
STOCKS ON HAND AND IN TRANSIT	4,476,880	5,418,788
COST VALUE OF SALES AND INSTALLATIONS WORK FOR WHICH CREDIT HAS NOT BEEN TAKEN ...	535,539	351,262
SUNDRY DEBTORS, after providing for bad and doubtful debts and including advances for goods not yet delivered	2,593,639	2,405,274
SHANNON FISHERIES, temporary advances ...	21,252	22,613
CASH IN HAND AND WITH BANKS	6,393	245,636
	£80,220,972	£71,484,820

No. 10.

Dr.

SHANNON FISHERIES TRADING ACCOUNT

		1953/54
	£	£
To Operation, maintenance and repair	11,053	9,364
,, Fishery rates	4,334	4,486
,, General management and overhead expenses	5,472	3,886
,, Transfer to depreciation and renewals reserve	1,950	1,950
,, Balance, carried down	3,459	4,400
	£26,268	£24,086
To Stake weir written off	1,640	—
,, Oysters written off	1,615	—
,, Balance, carried to Profit and Loss Account	204	4,400
	£3,459	£4,400

No. 11.

Dr.

SHANNON FISHERIES PROFIT AND LOSS

			1953/54
		£	£
To Interest :—	£		
Payable to the Minister for Finance	3,470		
Apportioned in respect of temporary advances from electricity funds	1,131		
Other interest	330		
		4,931	5,088
,, Reserve, being amount of capital repaid in respect of advances from Minister for Finance		763	726
		£5,694	£5,814
To Balance, brought down		5,490	1,414
,, Balance, brought forward from last year's account		32,075	30,661
,, Transfer to reserve for renewals, of credits (per contra), as additional provision for the renewal of plant		—	90
		£37,565	£32,165
To Balance, brought down		£37,565	£32,075

FOR THE YEAR ENDED 31st MARCH, 1955.

Cr.

		1953/54
	£	£
By Sales of fish, letting of fishing rights and miscellaneous income	26,268	24,086
	£26,268	£24,086
By Balance, brought down	3,459	4,40
	£3,459	£4,400

ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1955. *Cr.*

		1953/54
	£	£
By Balance, brought from Trading Account	204	4,400
„ Balance, carried down	5,490	1,414
	£5,694	£5,814
By Credits arising consequent on the retirement of assets and the sale of scrapped material	—	90
„ Balance, carried down	37,565	32,075
	£37,565	£32,165

No. 12. **SHANNON FISHERIES CAPITAL ACCOUNT**

Dr.

	Total at 31st March, 1954 less retirements	Expenditure less retirements during year	Total at 31st March, 1955 less retirements
	£	£	£
To Fishery rights and fisheries	9,828	—	9,828
,, Works to preserve fisheries	33,956	(−)1,952	32,004
,, Other capital expenditure	33,361	—	33,361
	£77,145	(−)£1,952	75,193
,, Capital works in progress			515
Total of fixed assets, carried to Balance Sheet			£75,708

No. 13. **SHANNON FISHERIES BALANCE SHEET**

LIABILITIES AND RESERVES		31/3/54
	£	£
Repayable receipts, as per Capital Account	70,210	70,973
Capital reserves, as per Capital Account	21,944	18,902
	92,154	89,875
Electricity funds, temporary advances	21,252	22,613
Sundry creditors	2,093	480
	£115,499	£112,968

FOR THE YEAR ENDED 31st MARCH, 1955.

Cr.

		Total at 31st March, 1955
	£	£
By Repayable receipts (*see* Account No. 14)		70,210
,, Capital reserves:		
Repaid capital, *less* intangible assets written off	6,379	
Provisions for depreciation, renewal and retirement of physical assets, together with proceeds of sale of assets, *less* physical assets retired	15,565	
Total capital reserves		21,944
Total of repayable receipts and capital reserves, carried to Balance Sheet		£92,154

AS AT 31st MARCH, 1955.

ASSETS		31/3/54
	£	£
Fixed assets, as per Capital Account	75,708	77,145
Stock of material	1,460	3,067
Sundry debtors	766	656
Cash in hand and with bank	—	25
Deficiency, as per Profit and Loss Account	37,565	32,075
	£115,499	£112,968

Electricity Capital Receipts

Local Authority Undertakings :

	£
Loans and loan-stocks	
Liability under section 39(7) of the Electricity (Supply) Act, 1927	
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 1954, the Shannon Fisheries Act, 1935, and the Liffey Reservoir Act, 1936	44,757,882
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

Shannon Fisheries Capital Receipts

Minister for Finance :

Advances—

under the Shannon Fisheries Act, 1935 ....

AND REDEMPTION THEREOF TO THE 31st MARCH, 1955.

Total Receipts to 31st March, 1955	Redeemed			Balance of Capital Receipts Outstanding at 31st March, 1955
	Total to 31st March, 1954	During year to 31st March, 1955	Total to 31st March, 1955	
£	£	£	£	£
740,955	738,092	477	738,569	2,386
15,066	15,066	—	15,066	—
52,847,636	2,044,440	400,195	2,444,635	50,403,001
£53,603,657	£2,797,598	£400,672	£3,198,270	£50,405,387
77,000	6,027	763	6,790	70,210
£53,680,657	£2,803,625	£401,435	£3,205,060	£50,475,597

LIABILITIES AND RESERVES	£	£	31/3/54 £
REPAYABLE RECEIPTS:			
per ELECTRICITY CAPITAL ACCOUNT	50,405,387		
per SHANNON FISHERIES CAPITAL ACCOUNT	70,210		
		50,475,597	48,077,032
CAPITAL RESERVES:			
per ELECTRICITY CAPITAL ACCOUNT	22,746,858		
per SHANNON FISHERIES CAPITAL ACCOUNT	21,944		
		22,768,802	17,891,918
		73,244,399	65,968,950
LOANS under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
	£		
General Employees Superannuation Fund	1,202,600		
Manual Workers Superannuation Fund	699,500		
		1,902,100	1,613,800
SUNDRY CREDITORS		3,359,085	3,080,734
RESERVES:	£		
Contingencies reserve ...	1,000,000		
Fuel equalisation reserve ...	500,000		
Other reserves and provisions ...	263,203		
		1,763,203	850,279
SURPLUS:			
per ELECTRICITY NET REVENUE ACCOUNT ...		46,432	61,412
		£80,315,219	£71,575,175

NOTES:

(1) At 31st March 1955 there were outstanding contractual commitments in respect of capital expenditure, estimated to amount to £9,000,000.

(2) The foregoing Balance Sheet has been prepared in accordance with the law as existing at the 31st March 1955. The Government has notified the Board of its intention to introduce legislation which will terminate the provision of capital subsidies to rural development. It is understood that an effect of the revised legislation will be to transfer a sum of approximately £4·8 millions received as rural subsidy from Capital Reserves to Repayable Receipts.

R. F. BROWNE, *Chairman.*

PATRICK J. DEMPSEY, *Secretary.*

AS AT 31st MARCH, 1955.

ASSETS	£	£	31/3/54 £
FIXED ASSETS:			
per ELECTRICITY CAPITAL ACCOUNT	72,525,535		
per SHANNON FISHERIES CAPITAL ACCOUNT	75,708		
		72,601,243	63,056,658
BOYNE DEVELOPMENT SUSPENSE ACCOUNT ...		61,734	61,734
STOCKS ON HAND AND IN TRANSIT		4,478,340	5,421,855
COST VALUE OF SALES AND INSTALLATIONS WORK FOR WHICH CREDIT HAS NOT BEEN TAKEN ...		535,539	351,262
SUNDRY DEBTORS, after providing for bad and doubtful debts and including advances for goods not yet delivered		2,594,405	2,405,930
CASH IN HAND AND WITH BANKS		6,393	245,661
DEFICIENCY:			
per SHANNON FISHERIES PROFIT AND LOSS ACCOUNT		37,565	32,075
		£80,315,219	£71,575,175

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 notes thereon and the undermentioned qualifications, that the Balance Sheet as at the 31st March, 1955, 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

In the Electricity Production Account the proportion of the cost of Generation, Transmission and purchase of Electricity allocated to non-Rural and Rural Areas is in accordance with estimates made by the Board's officials, and approved by the Board.

Overhead expenses and other items 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 Electricity (non-Rural) Revenue Account has been relieved of a proportion of supervision and administration expenses which has been charged to the Electricity (Rural) Revenue Account, the Installations Trading Account, the Merchandise Trading Account, the Shannon Fisheries Trading Account and to Capital Expenditure on new works.

(*b*) The Interest chargeable to the Electricity Profit and Loss Account has been apportioned and transferred to Electricity Production Account, Electricity (non-Rural) Revenue Account, Electricity (Rural) Revenue Account, Installations Trading Account, Merchandise Trading Account, and to Capital Expenditure on new works. The amount of Capital repaid in respect of advances from the Minister for Finance and others chargeable to Electricity Profit and Loss Account has been apportioned and transferred to Electricity Production Account, Electricity (non-Rural) Revenue Account and Electricity (Rural) Revenue Account.

(*c*) Credit has been given to Merchandise Trading Account for a sum representing a proportion of the expenses regarded as relating to the sale of Electricity, and this has been charged to Electricity (non-Rural) Revenue Account and Electricity (Rural) Revenue Account.

Depreciation has been charged in the foregoing Accounts on the physical assets on the same basis as heretofore, and additions have been made to the reserve to provide a fund for the increase in costs of renewals of physical assets, the original cost of which has been fully covered by the amounts already set aside to Depreciation Reserve.

The value of certain intangible assets as classified by the Board's officials has been written off out of the amounts at credit of Capital Reserves with the approval of the Board.

KENNEDY, CROWLEY & CO.,
Auditors.

4 AND 5 WESTMORELAND STREET
DUBLIN, *24th June*, 1955.