TWENTY-SEVENTH
ANNUAL REPORT
OF THE
ELECTRICITY
SUPPLY BOARD
IRELAND
FOR THE YEAR ENDED
MARCH 31st
1954

INCLUDING REPORT ON FISHERIES

(Pr. 2519)t

PRICE ONE SHILLING

TWENTY-SEVENTH
ANNUAL REPORT
OF THE
ELECTRICITY
SUPPLY BOARD
IRELAND
FOR THE YEAR ENDED
MARCH 31st
1954

ESB
MARKETING BUREAU
CLASSMARK
ACCESSION NUMBER 1HA1
LOCATION Room 421

ESB
MARKETING BUREAU
REFERENCE ONLY
DO NOT REMOVE

INCLUDING REPORT ON FISHERIES

(PR. 2519)F PRICE ONE SHILLING

Printed by Alex. Thom & Co., Ltd., Dublin

ELECTRICITY SUPPLY BOARD

R. F. BROWNE, *Chairman*

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

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

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

J. A. RYAN

J. P. DIGBY

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

Secretary :

PATRICK J. DEMPSEY, B.L.

Chief Engineer :

P. G. MURPHY, M.E., M.I.E.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, 1954

(Including Report on the Fisheries)

CONTENTS

REPORT—	Page
Finance and Accounts	5
Borrowing Powers	7
Sale of Electricity and Number of Consumers ...	7
Analysis of Units Sold	8
Sales of Appliances	8
Revision of Two-Part Tariffs	8
Consumers' Installations	8
Generation	9
Generating Stations	10
Main Transmission System	14
Transmission and Distribution Systems	15
Rural Electrification	16
Water Storage and River Control	18
Water Power Investigations and Hydrometric Survey	19
Permitted Undertakings	19
Superannuation Schemes	20
Tribunals to Determine Disputes	20
Staff	20
FISHERIES	21
APPENDICES	26
ACCOUNTS	71

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, 1954.

An increase of 131 millions in the number of units of electricity generated, as compared with the previous year, brought the total to 1,292 million units for the year. This was a growth of 11.3%. The rainfall and inflow were somewhat below the average figures, but were much more favourable than in the preceding year. The output from the hydro-stations was 533 million units, and from the thermal stations 759 million. The sources of generation are now water, peat, coal and oil. The output from the Portarlington and Allenwood stations was again very satisfactory through the availability of large quantities of peat. The generating plant in commission, and under construction, is adequate to meet all demands.

The sales of electricity developed in accordance with the long-term estimates, and in the year produced a revenue of £8,500,000. This was an increase of £900,000 compared with the preceding year. Of this growth, £400,000 came from areas under the Rural Electrification Scheme. The revenue under this scheme was £1,400,000 or approximately 17% of the total revenue. The basis of the two-part tariff for domestic consumers was altered, for the purpose of achieving greater uniformity.

The total capacity of the generating plant in commission was 382 MW and the peak load was 314 MW. The extension to the oil-fired station at North Wall, Dublin, which added 32 MW to the system, was completed. The work on the Cork station, using oil or pulverised fuel, had proceeded to the stage that one of the two 30 MW-sets was on test. Work at present proceeding on the stations at Cork, Ringsend, Ferbane, Lanesborough, Cliff and the Lee when completed will add 267 MW to the generating capacity.

Having made full provision for interest, repayment of advances and plant renewal, there was a surplus of £233,209. The summarised revenue and expenditure figures are :—

	Year ended 31st March, 1954.	Year ended 31st March, 1953.
	£	£
Gross Revenue	8,555,420	7,670,103
Working expenditure on wages, materials and Overheads ...	5,289,600	5,593,488
Working surplus	3,265,820	2,076,615
This surplus has been applied as follows :—		
Provision for plant renewal ...	1,227,000	998,600
Interest	1,446,494	1,265,242
Repayment of advances ...	359,117	300,986
Leaving as a result of the year's operations a surplus of ...	233,209	(—) 488,213

By the addition of profits on merchandise and installation trading the surplus is increased to £242,667 which has to be added to the balance of £18,745 brought forward in the Nett Revenue Account. Of this, £200,000 has been transferred to increase the Contingencies Reserve fund to £700,000, leaving a sum of £61,412 to be carried forward to next year.

Expenditure on fuel was less than in the previous year by £537,508 mainly because of more favourable water conditions, but other costs increased by £701,403. Of this £239,383 related to interest and capital repayments, and £228,400 to plant renewal.

The established policy in respect of provision for renewal of plant has been followed. The accumulated sum made available towards the replacement of wasting assets at the 31st March, 1954, amounted to £13,313,667 of which £2,271,931 has been utilised to write off the original cost of plant withdrawn from service.

Since the commencement of the scheme capital subsidies totalling £4,000,000 have been received from the Minister for Finance in respect of rural electrification. This represents the total of non-repayable moieties of advances obtained under Section 41 of the Electricity (Supply) (Amendment) Act, 1945, and subsequent legislation. By reason of the delay in the enactment of legislation subsidies for rural development were temporarily not available. In consequence, the interest charge to the rural account in the year was exceptionally high.

At the 31st March, 1954, repayments of capital to the Minister for Finance had accumulated to £2,044,440. The repayments have been provided for out of revenue, and have thereby created a reserve which has been utilised to the extent of £1,274,568 to offset money spent on preliminary and development expenses, on the purchase of the goodwill of other existing electricity undertakings and on the changeover of consumers' apparatus to the Board's supply.

Expenditure already incurred on new capital works still under construction at the end of the year was £11,909,672.

The value of plant brought into commission during the year totalled £7,183,040 as compared with £5,642,720 during the preceding year. The Board's total investment in assets in productive use at the end of the year was :—

	£
Generation	20,752,045
Transmission	9,489,484
Distribution	19,047,818
Premises, equipment, transport, etc.	1,780,494

BORROWING POWERS

Until the present year all the necessary capital for development was provided through the Minister for Finance by way of advances from the Central Fund. The Electricity (Supply) (Amendment) Act, 1954, now authorises direct borrowing by the Board.

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-five years are shown in the following table :—

Year ended 31st March	Units generated (and purchased) 000s	Units sold 000s.	Revenue from sales of energy £000	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

Appendix I gives details of the number of consumers in each area this year, as compared with the preceding year, 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	Percentage increase
	Year ended 31st March, 1954 000s.	Year ended 31st March, 1953 000s.	000s.	
Domestic ...	428,179	383,642	44,537	11.6
General Lighting	65,281	62,446	2,835	4.5
General Heating, Cooking and Water Heating, (excluding Night Storage Heating) ...	111,855	100,851	11,004	10.9
Night Storage Heating ...	61,815	51,343	10,472	20.4
Motive Power ...	349,363	300,124	49,239	16.4
Public Lighting	25,333	22,837	2,496	10.9
Traction ...	285	273	12	4.4
Miscellaneous ...	9,635	8,125	1,510	18.6
Totals ...	1,051,746	929,641	122,105	13.1

SALES OF APPLIANCES

The sales of appliances amounted to £408,615 as compared with £413,632 in the preceding year. The rate of gross profit was 18.6%. The Merchandise Trading Account, having been charged with overhead expenses and interest on working capital, showed a profit of £2,338.

Subject to certain limitations it was decided to extend the Board's hire purchase facilities to members of the electrical trade. Negotiations were in progress at the close of the year to settle the details of the proposals.

REVISION OF TWO-PART TARIFFS

For some time past a revision of the two-part tariffs has been under investigation to eliminate anomalies which had developed since the tariffs were introduced over twenty-five years ago. The rateable valuation which was then the most suitable basis for assessing the fixed charge is no longer satisfactory, and revised tariffs, based on the number of rooms, have been introduced. Particulars of the new tariffs are given in Appendix II.

CONSUMERS' INSTALLATIONS

The credit taken for contracts completed and invoiced for work carried out amounted to £321,030 as compared with

£341,365 for the preceding year. The rate of gross profit was 21.2%. Having debited to the Installations Trading Account overhead expenses and interest on working capital, there was a net profit of £7,120.

GENERATION

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

Year ended 31st March	Station	Generation kWh x 1000	Maximum daily output kWh x 1000	Maximum load kW x 1000
1954 ...	Ardnacrusha ...	281,329		
	Erne	218,003		
	Liffey	33,312		
	Pigeon House ...	282,614		
	North Wall ...	130,030		
	Portarlington ...	150,531		
	Allenwood ...	196,076		
	Cork	Nil		
	Total	1,291,895	5,166	314
1953 ...	Ardnacrusha ...	188,734		
	Erne	138,367		
	Liffey	33,931		
	Pigeon House ...	416,911		
	North Wall ...	54,105		
	Portarlington ...	164,770		
	Allenwood ...	160,684		
	Cork	3,345		
	Total	1,160,847	4,689	282
Increase for year ended 31st March, 1954		131,048	477	32

The total output showed an increase of 11.3% on the preceding year and the average load for the year was 147,600 kW. The annual load factor, on the basis of units generated remained unchanged at 47.0%.

A supply of 3,625,000 units was purchased of which 1,488,000 units were 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 IV
Monthly output of the generating stations	Appendix VI
Typical daily generation load curves ...	Appendix VII
Particulars of the generating plant in commission	Appendix VIII

Cost of generation at individual stations	Appendix IX.
Weekly output and peak loads ...	Appendix X.
Weekly operating conditions—	
(a) Shannon catchment ...	Appendix XII.
(b) Liffey catchment	Appendix XIV.
(c) Erne catchment	Appendix XVI.
Annual generation from 1st April, 1930 to 31st March, 1954 ...	Appendix XXI.

GENERATING STATIONS

At the 31st March, 1954, the total capacity of the generating plant was 382,500 kW and new plant which will increase the generating capacity by 386,000 kW was under construction or planned as follows :—

	kW	Probable Commissioning Year :
Erne (Cliff) (hydro)	10,000	1954
Cork (Marina) (coal or oil-fired) ...	60,000	1954
Ringsend (coal or oil-fired) ...	90,000	1955-56
Ferbane (peat-fired)	60,000	1956-57
Lee (hydro)	27,000	1956-57
Lanesborough (peat-fired) ...	20,000	1957
Clady (hydro)	4,000	1957
Four hand-won peat-fired stations	20,000	1957
Arigna (coal-fired)	15,000	1957
Derrygreenagh (peat-fired) ...	40,000	1958
Oweniny (peat-fired)	40,000	1958-59
Total ...	386,000	

Particulars of the installed plant in all the generating stations are given in Appendix VIII.

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

(a) North Wall Oil-fired Station (Dublin). (1—12,500 kW and 2—16,000 kW steam turbo generating sets).

The extension of this station was completed. The first of the two additional 16,000 kW sets was commissioned on the 29th April, and the second on the 22nd July, 1953.

(b) River Erne Full Development (Co. Donegal). (Cliff Station : 2—10,000 kW hydro-electric sets. Cathaleen's Falls Station : 2—22,500 kW hydro-electric sets).

Arising out of the Agreement of the 4th September, 1950, between the Minister of Finance for Northern Ireland and the Board, progress was maintained on the further specified

works towards the improvement of the drainage and of the power possibilities of the River Erne in connection with the full development of the river.

Work continued on the dredging of the river channel between Belleek and Lower Lough Erne. Contracts were placed for (i) the construction of the new weir at Portora, Enniskillen, for the regulation of the level of Upper Lough Erne, and (ii) the construction of the new road bridge at Belleek. Work under both contracts had begun by the end of the year.

All the main parts of the turbine for the second 10,000 kW set at Cliff were delivered and erection commenced in January, 1954. It is expected that this set will be in commission in 1954.

(c) Cork (Marina) Coal or Oil-Fired Station. (2—30,000 kW steam turbo generating sets).

At the end of the year, the whole of the civil construction works including the engine house, boiler house, cooling water system, chimney and auxiliary works had been almost completed. Work was in progress on the cleaning up of the site generally.

The first of the 30,000 kW sets, together with one boiler unit and associated transformers and switchgear, was erected and was ready for commissioning. It is expected that the second set, together with the remainder of the boiler and auxiliary plant, will be commissioned in 1954.

During the year the old generating station at Albert Road, Cork, was closed down.

(d) Ringsend Coal or Oil-Fired Station (Dublin). (3—30,000 kW steam turbo generating sets).

The sinking of the cylinder piles for the foundations was almost completed. The walls and roof of the portion of the engine house for the first two sets were erected. The foundation for the first set was poured and work was in progress on the foundation for the second set. About three quarters of the walls and roof of the corresponding part of the boiler house was erected. All work necessary below ground level in the pump house had been carried out. The intake culvert and about half the work on the discharge culvert were completed. The foundation for the chimney, the enclosure of the ash disposal area, the foundations and bund walls for the oil storage tanks and the ash pump house were completed. Work was in progress on the control building, 38kV station and 110kV outdoor station.

Erection of the boiler plant was proceeding satisfactorily and work on the erection of the transformers and switchgear had commenced.

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

(e) Ferbane Milled Peat-fired Station (Offaly). (3—20,000 kW steam turbo generating sets).

Contracts were placed for the piling, the construction of the foundations to the power station buildings to ground level, and the construction of the two cooling towers for the first development of the site. At the end of the year the piling of the foundations for the station buildings had been completed. The foundations to the office and store buildings were finished to ground level and work was in progress on the foundations for the engine house. The first cooling tower was erected to a height of about twenty feet and work on the tank floor of the second tower was in progress.

Satisfactory progress was maintained by the contractors on the manufacture of the three boiler units, two of the 20,000 kW turbo sets and the associated transformers and switchgear. Orders were placed for the third 20,000 kW turbo set, the fuel handling plant and other major station auxiliaries.

It is hoped to have this station in commission in 1956-57.

(f) River Lee Development (Co. Cork). (Inishcarra Station : 1—15,000 kW and 1—4,000 kW hydro-electric sets. Carrigadrohid Station : 1—8,000 kW hydro-electric set).

The excavation of the river diversion channel at Inishcarra was almost completed and the construction of the portion of the dam, which it is necessary to erect before the river can be diverted, was in progress. Work was started on the excavation for the foundations for the dam and power station.

At Carrigadrohid, the first stage in the coffer-damming of the river was finished and the excavation for the dam foundations was proceeding. The excavation for the stilling basin below the sluices was completed.

The piling of the foundations for Roove's Bridge was finished and the construction of the piers was well advanced. Work was about to commence on the piling of the foundations for Lee Bridge. Satisfactory progress was made in the carrying out of the miscellaneous roadworks around the reservoir area.

The contractors maintained good progress in the manufacture of the generating plant and contracts were placed for the transformers and switchgear for both stations.

Both stations should be commissioned about 1956-57.

(g) Lanesborough Sod Peat-fired Station (Co. Longford). (1—20,000 kW steam turbo generating set).

Contracts were placed for the boiler unit and for the 20,000 kW turbo generating set and specifications were prepared for the electrical and auxiliary plant outstanding. The design work on the station was in progress.

It is hoped to place the station in operation in 1957.

(h) River Clady Development (Co. Donegal). (1—4,000 kW hydro-electric set).

The project visualises the utilisation of the fall of about one hundred and ninety feet between Lower Lough Nacung and the head of the estuary of the Gweedore River. A weir with movable gates will be constructed across the Clady River at Bryan's Bridge to regulate the water level of Upper and Lower Lough Nacung. The flow of the Clady River will be diverted into a head race canal almost two miles long and thence through a steel penstock to the power station at the mouth of the Gweedore river. A small dam with a fixed spillway will be constructed at the mouth of Dunlewy Lough to raise the existing level of the lake for storage purposes.

The power station will be equipped with one set of 4,000 kW capacity and the average annual output of the project is estimated at about twelve million units.

At the end of the year, tenders had been received and a contract was about to be placed for the civil construction works. It is expected that work on site will commence in May, 1954.

Specifications for the generating plant and penstock were almost completed and tenders were about to be invited.

The programme aims at the completion of the station in 1957.

(i) Four Hand-won Peat-fired Stations :

(1) Cahirciveen, Co. Kerry. (2) Miltown Malbay, Co. Clare.
(3) Screeb, Co. Galway. (4) Gweedore, Co. Donegal

(Each installation 1—5,000 kW steam turbo generating set).

Contracts were placed for the supply and erection of the mechanical and electrical plant for these stations and it is expected that the civil construction work at the sites will commence in the summer of 1954. It is hoped to have the four stations completed in 1957.

(j) Arigna Coal-fired Station (Co. Leitrim). (1—15,000 kW steam turbo generating set).

Preliminary design work was in progress and tenders were invited for the mechanical and electrical plant.

It is expected that the station will be commissioned in 1957.

(k) Derrygreenagh Milled Peat-fired Station Offaly). (2—20,000 kW steam turbo generating sets).

Preparation of plans was in progress, and aim at completion of the station in 1958.

(l) Oweniny Milled Peat-fired Station (Co. Mayo). (2—20,000 kW steam turbo generating sets).

Preparation of plans was in progress, and it is hoped to have the station in commission in 1958-59.

MAIN TRANSMISSION SYSTEM

(a) 110kV Overhead Lines :

The construction of the forty-three miles of line to Cahir from Kilbarry 110kV station at Cork was completed and the line was commissioned at 38kV. The Ardnacrusha and Waterford lines at Kilbarry were diverted to the new 110kV station. The Liffey–Waterford line was diverted to the new 110kV station at Kilkenny.

About three quarters of the seventy miles of line from Cork to Tralee was erected and construction started on the ten mile branch line to Dunmanway.

Survey and design work were concluded for a line from Galway to Claremorris. The survey of lines to Carrickmines, Co. Dublin, and to Cahirciveen, Co. Kerry, was in progress.

(b) 110kV Transformer Stations :

At Inchicore work continued on the replacement of old 38kV circuit breakers and a 10 MVA 38kV shunt reactor was commissioned. The second 15 MVA transformer at Athlone was placed in commission on test. Stations at Wexford and Kilkenny were put into operation on a temporary basis with one 15 MVA transformer in each.

The construction of the new station at Kilbarry to replace the original station erected in 1929 was completed with the final commissioning of three 20 MVA transformers. One of the two 15 MVA transformers at Drogheda was replaced by a 30 MVA unit.

Design work continued on the stations about to be constructed at Portlaoise and Carrickmines and satisfactory progress was made on the construction of the stations at Galway, Tralee, Wexford, Kilkenny and Cahir.

(c) 38kV Overhead Lines :

One hundred and sixteen miles of 38kV line were erected including a line in Co. Donegal from Letterkenny to the neighbourhood of Gweedore.

To facilitate extensive building development near Dublin, approximately five miles of line were retired from service and replaced by new routes.

(d) 38kV Stations :

Eighteen 38kV stations were completed and put int operation :

Birdhill, Co. Tipperary.	Loughshinny, Co. Dublin.
Carrigallen, Co. Leitrim.	Lumcloon, Offaly.
Castlebar, Co. Mayo.	Monaghan.
Castleknock, Co. Dublin.	Patrickswell, Co. Limerick.
Carrigaline, Co. Cork.	Ramparts, Dundalk.
East Wall Road, Dublin.	Saggart, Co. Dublin.
Ennistymon, Co. Clare.	Skibbereen, Co. Cork.
Inishcarra, Co. Cork.	Tulla, Co. Clare.
Kilgarvan, Co. Kerry.	Wexford South.

The old 38kV station at Castlebar and the pole substation at Kilgobbin were retired from service.

(e) Underground Cables :

About a mile of 130 sq. mm. 38kV oil-filled cable was laid from Deansgrange 38kV station to the new station at Sallynoggin, Co. Dublin.

(f) Load Despatch Office :

The equipment indicating the switch position and for telemetering at all generating stations and 110kV transformer sub-stations covered by the initial contract, was almost completed and was brought into operation. At the central Load Despatch Office in Dublin the automatic trunk exchange was commissioned giving dialling facilities over the carrier telephone network. A contract has been placed to extend similar facilities to the Marina generating station, Cork, and the 110kV transformer stations at Waterford, Kilbarry (Cork) and Tralee.

Plans are in hand for similar extensions to the Lee generating stations and to other 110kV transformer stations.

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 ...	57·9 miles
(2)	Low tension overhead mains reconstructed or strengthened	24·2 ,,
(3)	Low tension underground mains installed	19·6 ,,
(4)	10kV underground cables installed ...	18·9 ,,
(5)	10kV underground cables retired from service	0·1 ,,
(6)	5kV underground cables retired from service	15·8 ,,
(7)	10kV overhead distribution lines erected (excluding rural lines)	112·1 ,,
(8)	10kV overhead distribution lines retired from service	6·7 ,,
(9)	38kV overhead transmission lines erected	116·0 ,,
(10)	38kV overhead transmission lines retired from service	5·0 ,,
(11)	38kV underground cables installed ...	1·3 ,,
(12)	110kV overhead transmission lines erected	46·0 ,,
(13)	110kV overhead transmission lines retired from service	2·8 ,,
(14)	Rural lines erected	3,769·0 ,,

Two hundred and forty-seven 10kV and three 5kV transformer stations were completed; fourteen 10kV and two 5 kV transformer stations were retired from service.

Appendix XVII 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 XXII and XXIII, respectively.

RURAL ELECTRIFICATION

The following table shows the progress on the Rural Electrification Scheme :—

Year ended 31st March	Poles erected	Miles of line strung	Consumers connected	Areas completed
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
Total to date	295,132	15,743	101,318	289

Early in June it was decided to increase the rate of development under the scheme by 50%. Additional materials were placed on order, extra staff was recruited and trained, and the design and survey of new areas were undertaken. By October the full increase of 50% was achieved and at the close of the year work was proceeding at the rate of 75 areas per annum. It is intended to effect a further increase in the course of the coming year, bringing the rate of construction to 100 areas per annum.

The 289 areas completed cover 7,411 square miles, or an average of 25.5 square miles per area. A further 54 areas are under construction, or selected for development, making a total of 343 areas, or 8,903 square miles. This represents approximately 43% of the total areas of the country, excluding waste or very sparsely populated regions. Supply is now available to 36% of the rural population. The proportion of dwellings connected in the completed areas is approximately 67%.

The supply of materials improved considerably and rendered possible the acceleration of the construction work. Adequate quantities of materials were, with a few exceptions, available. The total value of materials needed for a 75 area programme is approximately £1.5 millions. A growing proportion of the materials was obtainable from local manufacturers, the amount so ordered being 66% of the total. Of

the three main items used there was a reduction in the price of wooden poles and an increase in the price of aluminium conductor and transformers, and consequently little change in the overall materials price index.

In the farmyard the water pump proved to be the most popular appliance. The advantages in the home and in the farm buildings of a fresh supply of clean water under pressure are being increasingly recognised. Small grain grinders for preparing stock feed have also retained their popularity. A recent innovation has been the introduction of a one h.p. stone mill grinder which, while being adequate for the needs of most farms, has the advantage of lower loading. The use of infra-red lamps for chicken brooding and pig rearing is now well established and floor warming of piggeries by low voltage heating is undergoing steady development.

The use of an electric grain drier became a practical feature of farmwork in many parts of the country and it is expected that the coming years will see an increase in this application of supply. The economics and practicability of developing a small milk cooler for use on farms where milk is produced for liquid consumption were investigated. While the cost of such appliances will limit their use to bigger dairy farms initially, it is hoped to extend their benefits to smaller farms if the price of the equipment can be reduced with the growth in demand.

The use of supply for domestic purposes still accounts for the greater part of the consumption of electricity in rural areas. In addition to the smaller appliances—irons, radios and kettles —larger equipment such as cookers, waterheaters and washing machines, are being installed in steadily increasing numbers.

An investigation of the utilisation of electricity was carried out in a number of representative areas. The following schedule gives the percentage of consumers in some of the better developed areas who use the following appliances :—

Mains radios ...	79%	Wash boilers ...	17%
Electric irons ...	64%	Electric water pumps	11%
Electric kettles ...	44%	Root pulper motors	9%
Electric cookers	25%	Infra-red lamps ...	9%
Electric fires ...	22%	Milking machines ...	6%
Washing machines	17%	Grain grinders ...	6%

The survey also disclosed that approximately 78% of the consumers had power sockets installed in the dwelling houses but in only a small number of cases were power sockets installed in the outoffices. 26% had yard lights and about 25% had an average of four lights in their outoffices. The average number of lights in the domestic portion of the premises was six.

Demonstrations of electrical equipment both for farmyard and home use continued to be given in each of the areas under development and, in addition, mobile display trailers were used to participate in Agricultural Shows in various parts of the country.

A number of the staff received special instruction and training in the applications of electricity to agriculture. Staff so trained are now touring parts of the country with small vans equipped with the principal domestic and agricultural appliances connected up and ready for use. In the course of a house-to-house tour, the operator can demonstrate an appliance to the farmer and his wife on their own premises.

Capital expenditure during the year amounted to £2,622,726 and the total invested in the scheme to 31st March, 1954 was £9,659,433. Sales of current amounted to 127,266,000 units, or 47% more than in the previous year. The revenue earned was £1,406,000, which represents a price per unit of 2.65d. Although many new consumers were connected to the mains the average units per domestic consumer increased from 885 to 910.

WATER STORAGE AND RIVER CONTROL

The average flows at all the hydro stations were below the normal, being generally between about 75% and 85% of the long term means. The distribution of the flows throughout the year was, however, favourable for power generation. The utilisation of the flow available for power production was in the region of 100% at all stations except at Cliff power station, where a second unit is being installed.

Power Station	Total average inflow cbm/sec	Utilisation percentage *	Average water used at station cbm/sec	Average water used per unit generated cbm	Rainfall at power stations ins.	Average available head M.	Maximum available head M.	Minimum available head M.
Ardnacrusha ...	154·7	98·3†	139·00	15·58	40.03 (catchment)	28·55	30·57	25·26
Pollaphuca	7·31	100·0	5·29	10·14	35·96	47·92	50·36	45·95
Golden Falls		100·0	5·31	25·47		16·86	18·30	15·90
Leixlip ...	13·31	99·7	8·62	26·42	26·09	17·60	18·64	15·84
Cathaleen's Falls	82·2	99·9	78·70	14·61	46·78	29·72	32·43	27·03
Cliff		90·6	70·50	45·96	47·65	10·24	11·36	9·40

* The percentage utilisation of the total discharge for power production is exclusive of river compensation water and, in the case of the River Liffey, of the draw-off for the Dublin City water supply.
† The percentage utilisation at Ardnacrusha is influenced by the method of combined running of Ardnacrusha Station and Cathaleen's Falls and Cliff Stations during periods of surplus water.

The draw-off from Pollaphuca reservoir by the Dublin Corporation for the city water supply averaged 15·6 million gallons per day (0·82 cbm/sec.).

For reference purposes, daily water levels and flows are given in appendices :—

(a) for the River Shannon—Appendix XI
(b) for the River Liffey—Appendix XIII
(c) for the River Erne—Appendix XV

The total average inflows for the calendar year 1953 were :—

River Shannon at Killaloe	...	121·7 cbm/sec.
River Liffey at Pollaphuca	...	6·1 cbm/sec.
River Liffey at Leixlip	...	10·8 cbm/sec.
River Erne at Ballyshannon	...	60·6 cbm/sec.

WATER POWER INVESTIGATIONS AND HYDRO-METRIC SURVEY

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

The further tests of the underground conditions at the site of the dams for the Avonmore River Development project, Co. Wicklow, were completed and the results were under consideration at the end of the year. It is hoped to have a final report on the project completed early next year.

The feasibility of the hydro-electric development of the Cummeragh River, Co. Kerry, was under consideration.

The preliminary scheme for the hydro-electric development of the Torc Waterfall, Co. Kerry, which was prepared in 1944 was under review in the light of present day conditions and building costs.

Preliminary investigations were also in progress on the economy of the hydro-electric development of the Flesk River, Co. Kerry.

The collection of data with a view to the investigation and possible later development of the further water power resources was 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 (County Donegal).
Ballisodare (Co. Sligo).
Owenglin (Connemara).
Barrow.
Nore.
Avonmore (Co. Wicklow).
Caragh, Flesk, Torc, Owgarrif, Cummeragh, Slaney (Co. Kerry).

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

PERMITTED UNDERTAKINGS

At the 31st March, 1954, there were thirty-three electricity undertakings operating under permit from the Board. During the year, three undertakings ceased supply. The Board acquired

the undertakings at Ballybofey, Killybegs and St. Johnston, Co. Donegal ; Clifden, Co. Galway ; Newcastle, Clonmel, Co. Tipperary and Dingle, Co. Kerry. No new permits were issued. Particulars of the permitted undertakings, except where the number of consumers is three or under, are contained in Appendix XVIII.

SUPERANNUATION SCHEMES

The number of contributing members in the General Employees' Superannuation Scheme at the end of the year was 1,641 and, in the Manual Workers' Superannuation Scheme, 2,115. One hundred and six persons were in receipt of pensions from the funds.

A total sum of £1,613,800 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, 1954, are reproduced in Appendices XIX and XX.

STAFF

At the 31st March, 1954, the numerical strength of the Board's regular staff was 4,730. In addition there was a casual staff of over 3,200.

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

BOARD MEMBERSHIP

Mr. J. P. Digby and Mr. T. MacMahon were appointed members of the Board as from 1st May, 1953.

(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.
29th June, 1954.

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, 1954.

The sales, as shown in the trading account, of salmon, eels and oysters, the leasing of angling rights and miscellaneous income amounted to £24,086 as compared with £19,472 in the preceding year.

Having charged interest and sinking fund amounting to £5,814 on the capital invested in the fisheries and making allowance of £1,950 for depreciation, the Profit and Loss Account showed a deficit of £1,414 compared with a deficiency of £11,794 last year.

SALMON

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

Year ended 31st March	Thomond Weir Run
1944	18,344
1945	11,321
1946	6,413
1947	10,355
1948	8,809
1949	10,261
1950	12,551
1951	14,403
1952	14,653
1953	10,289
1954	17,408

The average price obtained for salmon was 8s. 5·53d per lb and for grilse 5s. 11·8d per lb. The proceeds from sales were £17,230 as compared with £14,992 in the preceding year. The average weight of salmon captured at Thomond Weir was 9·4 lbs as against 11·9 lbs. Grilse averaged 5·4 lbs as compared with 5·8 lbs.

The average weight of salmon taken in the four stake weirs was 10·4 lbs as compared with 10·9 lbs while the average weight of the grilse was 5·06 lbs compared with 5·4 lbs. In all 31,877 lbs of salmon and grilse, value £11,116, were captured at Thomond Weir and 17,269 lbs, value £6,114 at the stake weirs.

EELS

The take from the eel weir at Killaloe was 13,544 lbs, compared with 9,661 for the 1952–53 season.

The receipts from the sale of eels amounted to £2,227, as compared with £1,723 for the preceding year, the average price per lb being 3s. 3·46d as against 3s. 0·5d per lb. last year.

OYSTERS

72,000 oysters were marketed at an average price of 40·7d per small hundred as compared with 40·6d per small hundred in the preceding year.

SALMON ROD FISHERIES

The revenue derived from the leasing of angling rights at Castleconnell Fisheries amounted to £522 as compared with £722 the previous season.

RIVER ERNE FISHERIES

The recorded run of salmon through the fish counter at Cathaleen's Falls was as follows :—

March	43	August	904
April	80	September	198
May	480	October	256
June	2,415	November	67
July	1,840		

A trout hatchery is being erected at Cliff which should be in operation during the next spawning season.

No commercial fishing was possible and, owing to the drainage works in the Erne at Belleek, there was no angling.

(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.

29th June, 1954.

APPENDICES

LIST OF APPENDICES

Appendix

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

II—Revision of Two-Part Tariffs

III—Rural Electrification

IV—Generation load duration, and integrated load duration curves

V—Distribution at high tension of units generated

VI—Monthly outputs of the generating stations

VII—Typical daily generation load curves

VIII—Particulars of the generating plant in commission

IX—Cost of generation at individual stations

X—Weekly outputs and peak loads

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

XII—Shannon catchment: weekly operating conditions

XIII—Water levels and discharges of the Liffey

XIV—Liffey catchment: weekly operating conditions

XV—Water levels and discharges of lower Erne

XVI—Erne catchment: weekly operating conditions

XVII—Transmission and distribution systems in commission

XVIII—Permitted electricity undertakings

XIX—Report of the Manual Workers' Tribunal

XX—Report of the General Employees' Tribunal

XXI—Annual Generation from 1st April, 1930, to 31st March, 1954

XXII—Map of transmission system

XXIII—Diagram of transmission lines

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

(Rural Areas are shown throughout in italics).

District	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
ATHLONE	**119·9**	**21,200**	**18,348**	**15,156**	**13,120**
Town	46·3	10,678	10,310	13,847	12,116
Rural	*73·6*	*10,522*	*8,038*	*1,309*	*1,004*
CORK No. 1	**112·0**	**26,557**	**25,787**	**24,009**	**24,555**
Town	112·0	26,557	25,787	24,009	24,555
Rural	—	—	—	—	—
CORK No. 2	**129·1**	**24,805**	**22,464**	**17,887**	**17,373**
Town	53·9	14,000	13,495	15,301	15,081
Rural	*75·2*	*10,805*	*8,969*	*2,586*	*2,292*
DUBLIN No. 1	**494·7**	**127,408**	**125,019**	**85,459**	**84,026**
Town	494·7	127,408	125,019	85,459	84,026
Rural	—	—	—	—	—
DUBLIN No. 2	**217·1**	**56,603**	**51,970**	**21,031**	**20,447**
Town	165·1	45,148	42,235	16,554	16,063
Rural	*52·0*	*11,455*	*9,735*	*4,477*	*4,384*
DUNDALK	**149·6**	**28,812**	**26,516**	**35,467**	**33,759**
Town	72·3	17,661	17,073	34,303	32,904
Rural	*77·3*	*11,151*	*9,443*	*1,164*	*855*
GALWAY	**114·0**	**18,695**	**15,759**	**7,095**	**6,328**
Town	44·6	9,507	9,285	6,003	5,792
Rural	*69·4*	*9,188*	*6,474*	*1,092*	*536*
LIMERICK	**200·4**	**39,788**	**36,511**	**25,903**	**24,475**
Town	97·5	23,246	22,646	21,094	20,563
Rural	*102·9*	*16,542*	*13,865*	*4,809*	*3,912*
PORTLAOISE ...	**117·8**	**25,579**	**22,697**	**23,867**	**22,192**
Town	65·7	15,932	15,214	20,120	18,823
Rural	*52·1*	*9,647*	*7,483*	*3,747*	*3,369*
SLIGO	**126·9**	**21,879**	**17,542**	**10,760**	**9,816**
Town	48·3	12,077	10,781	9,371	8,764
Rural	*78·6*	*9,802*	*6,761*	*1,389*	*1,052*
TRALEE	**70·9**	**13,636**	**11,755**	**7,458**	**6,950**
Town	31·6	7,776	7,213	6,822	6,586
Rural	*39·3*	*5,860*	*4,542*	*636*	*364*
WATERFORD	**169·3**	**31,023**	**28,027**	**32,429**	**25,619**
Town	95·3	22,267	21,502	25,622	21,613
Rural	*74·0*	*8,756*	*6,525*	*6,807*	*4,006*
Totals	**2,021·7**	**435,985**	**402,395**	**306,521**	**288,660**
Town	1,327·3	332,257	320,560	278,505	266,886
Rural	*694·4*	*103,728*	*81,835*	*28,016*	*21,774*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
ATHLONE DISTRICT					
ATHLONE AREA... ...	**18.0**	**3,690**	**3,143**	**3,691**	**3,358**
Athlone	9.0	2,226	2,119	3,586	3,281
Moate	1.3	284	273	91	63
Clonark	*1.5*	*244*	*240*	*10*	*10*
Glasson	*1.8*	*252*	*247*	*1*	*1*
Kiltoom	*2.1*	*281*	*264*	*3*	*3*
Knockcroghery	*2.3*	*403*	*Nil*	*Nil*	*Nil*
BALLINASLOE AREA ...	**11.8**	**1,645**	**1,583**	**1,415**	**1,002**
Ahascragh	.2	73	67	291	137
Ballinasloe	5.6	757	752	862	606
Aughrim	*1.9*	*255*	*243*	*23*	*20*
Moore	*1.6*	*200*	*171*	*10*	*Nil*
Mount Bellew	*2.5*	*360*	*350*	*229*	*239*
BIRR AREA	**20·1**	**3,407**	**3,105**	**1,663**	**1,213**
Banagher	.7	195	190	311	161
Birr and Crinkle	3.6	784	729	433	402
Borrisokane	.6	183	181	17	14
Cloghan	.2	53	50	41	41
Eyrecourt	.3	66	67	54	54
Ferbane	.3	137	129	13	13
Kilcormac	.5	112	102	48	48
Aglish	*1.5*	*190*	*192*	*4*	*4*
Killimor	*2.4*	*313*	*302*	*10*	*10*
Lawrencetown	*2.0*	*288*	*285*	*15*	*15*
Lorrha	*1.9*	*194*	*189*	*155*	*70*
Lusmagh	*1.4*	*196*	*196*	*171*	*11*
Portumna	*3.4*	*513*	*493*	*391*	*370*
Terryglass	*1.3*	*183*	*Nil*	*Nil*	*Nil*
LONGFORD AREA ...	**16·9**	**3,243**	**2,881**	**735**	**650**
Ardagh	.1	27	25	3	3
Ballymahon	.6	152	152	126	123
Edgeworthstown	.5	128	128	75	57
Granard	1.2	246	234	73	64
Longford...	3.8	1,022	1,011	332	312
Newtownforbes	.4	55	56	62	45
Abbeyshrule	*2.4*	*285*	*285*	*10*	*36*
Clonbroney	*2.6*	*480*	*145*	*33*	*Nil*
Drumlish...	*2.5*	*426*	*425*	*18*	*10*
Killashee	*2.8*	*422*	*420*	*3*	*Nil*
MULLINGAR AREA ...	**21·9**	**3,844**	**3,459**	**965**	**914**
Mullingar	5.6	1,393	1,336	849	808
Ballynacargy	*1.4*	*227*	*216*	*2*	*Nil*
Collinstown	*1.6*	*231*	*Nil*	*3*	*Nil*
Coole	*2.2*	*375*	*363*	*61*	*61*
Delvin	*2.0*	*319*	*306*	*22*	*22*
Killucan	*3.1*	*486*	*476*	*13*	*10*
Mullingar	*2.3*	*324*	*293*	*5*	*5*
Multyfarnham	*1.8*	*233*	*230*	*8*	*6*
Rochfortbridge	*1.9*	*256*	*239*	*2*	*2*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
ATHLONE DISTRICT—*continued.*					
ROSCOMMON AREA ...	**15·6**	**2,365**	**1,649**	**1,413**	**1,065**
Athleague	.2	50	46	43	43
Ballygar	.3	94	93	16	16
Roscommon	2.0	524	509	1,262	921
Ballinamore	*2.0*	*241*	*Nil*	*Nil*	*Nil*
Ballymoe	*2.7*	*67*	*Nil*	*2*	*Nil*
Fuerty	*3.1*	*481*	*464*	*74*	*71*
Glinsk	*1.9*	*316*	*Nil*	*Nil*	*Nil*
Lanesboro	*1.4*	*307*	*271*	*11*	*9*
Mount Dillon	*2.0*	*285*	*266*	*5*	*5*
TULLAMORE AREA ...	**15·6**	**3,006**	**2,528**	**5,274**	**4,918**
Clara	1.7	469	455	2,415	2,408
Daingean	.7	93	94	26	24
Kilbeggan	.7	191	191	79	88
Tullamore	6.2	1,364	1,321	2,739	2,384
Rahan	*2.2*	*277*	*268*	*1*	*Nil*
Rhode	*2.3*	*377*	*Nil*	*Nil*	*Nil*
Tyrellspass	*1.8*	*235*	*199*	*14*	*14*
TOTALS ...	**119·9**	**21,200**	**18,348**	**15,156**	**13,120**
CORK No. 1 DISTRICT					
CORK CITY AREA ...	**112·0**	**26,557**	**25,787**	**24,009**	**24,555**
Cork City	112·0	26,557	25,787	24,009	24,555
TOTALS ...	**112·0**	**26,557**	**25,787**	**24,009**	**24,555**
CORK No. 2 DISTRICT.					
BANDON AREA	**11·3**	**2,893**	**2,547**	**1,925**	**1,896**
Bandon	3·3	981	955	815	814
Crookstown	.1	18	18	105	105
Innishannon	.2	57	52	65	65
Kinsale	2.1	581	574	197	187
Macroom...	2.3	564	550	295	295
Aghinagh ...	*1.3*	*296*	*Nil*	*Nil*	*Nil*
Cloghduv	*2.0*	*396*	*398*	*448*	*430*
BANTRY AREA	**9·6**	**1,493**	**1,449**	**265**	**209**
Bantry	2.3	561	545	148	136
Glengariff	.1	113	101	3	3
Castletownbere	*3.9*	*444*	*429*	*Nil*	*Nil*
Schull	*3.3*	*375*	*374*	*114*	*70*
CARRIGALINE AREA ...	**12·5**	**2,267**	**2,171**	**406**	**371**
Carrigaline	.5	135	134	224	189
Crosshaven	.8	213	204	119	119
Monkstown	2.7	198	200	11	11
Passage West		429	410	19	19
Douglas	*3.0*	*528*	*499*	*10*	*10*
Monkstown	*5.5*	*764*	*724*	*23*	*23*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
CORK No. 2 DISTRICT—*continued.*					
CLONAKILTY AREA ...	**10·5**	**1,690**	**1,546**	**953**	
Clonakilty	2.7	616	621	370	412
Courtmacsherry	.2	56	55	Nil	Nil
Timoleague	.2	81	75	72	12
Ballinascarthy	*2.2*	*319*	*313*	*258*	*258*
Barryroe	*2.8*	*210*	*205*	*203*	*203*
Lisavaird	*2.4*	*408*	*277*	*50*	*40*
COBH AREA	**7·4**	**1,718**	**1,656**	**5,214**	**5,214**
Cobh	5·7	1,421	1,368	1,242	1,242
Haulbowline	.1	21	20	3,972	3,972
Great Island	*1.6*	*276*	*268*	*Nil*	*Nil*
DUNMANWAY AREA ...	**9·4**	**1,846**	**1,785**	**1,771**	**1,696**
Ballineen-Enniskeane ...	.4	133	125	253	253
Drimoleague	.3	92	90	65	65
Drinagh	.2	44	42	480	480
Dunmanway	1.4	371	355	183	183
Glandore	.1	24	25	Nil	Nil
Leap	.1	53	52	86	86
Rosscarbery	.3	88	85	42	42
Skibbereen	2.3	643	620	522	522
Baltimore	*2.0*	*170*	*173*	*65*	*65*
Union Hall	*2.3*	*228*	*218*	*75*	*Nil*
FERMOY AREA ...	**10·2**	**2,232**	**1,801**	**1,909**	**1,892**
Castlelyons	.1	36	27	132	132
Fermoy	4.0	974	919	517	517
Glanworth	.3	90	84	54	37
Kildorrery	.2	76	75	130	130
Kilworth	.3	58	55	10	10
Mitchelstown	2.1	644	594	1,063	1,063
Rathcormac	.1	51	40	3	3
Ballyhooley	*1.7*	*135*	*Nil*	*Nil*	*Nil*
Conna	*1.4*	*168*	*7*	*Nil*	*Nil*
KILBARRY AREA ...	**23·8**	**3,902**	**3,443**	**1,075**	**968**
Bishopstown	.6	159	145	34	34
Blarney	.9	216	213	317	317
Carrignavar	*1.9*	*273*	*246*	*45*	*43*
Coachford	*2.4*	*386*	*377*	*57*	*55*
Donoughmore	*2.1*	*293*	*Nil*	*35*	*Nil*
Glounthaune	*4.2*	*702*	*678*	*168*	*159*
Grenagh	*1.6*	*16*	*Nil*	*Nil*	*Nil*
Inniscarra	*5.5*	*1,004*	*948*	*73*	*73*
Ovens	*1.7*	*303*	*295*	*174*	*115*
White's Cross	*2.9*	*550*	*541*	*172*	*172*
MALLOW AREA	**18·0**	**3,376**	**2,961**	**2,093**	**2,083**
Buttevant	.8	278	268	327	327
Doneraile	.8	215	211	50	50
Mallow	5.6	1,335	1,311	1,273	1,273
Buttevant...	*1.6*	*144*	*Nil*	*Nil*	*Nil*
Churchtown	*1.9*	*296*	*290*	*12*	*12*
Drommahane	*3.0*	*401*	*365*	*120*	*120*
Kilavullen	*2.2*	*377*	*208*	*63*	*53*
Lombardstown	*2.1*	*330*	*308*	*248*	*248*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
CORK No. 2 DISTRICT—*continued.*					
MIDLETON AREA ...	**11·6**	**2,305**	**2,040**	**1,411**	**1,254**
Ballinacurra	·4	115	99	217	217
Carrigtwohill	·4	103	100	222	97
Castlemartyr	·3	97	96	151	151
Cloyne	·6	137	127	50	50
Killeagh	·3	70	70	117	117
Midleton	2·8	754	704	456	454
Mogeely	·1	16	16	25	25
Aghada	*3.7*	*532*	*459*	*112*	*112*
Lady's Bridge	*3.0*	*481*	*369*	*61*	*31*
YOUGHAL AREA ...	**4·8**	**1,083**	**1,065**	**865**	**865**
Youghal	4·8	1,083	1,065	865	865
TOTALS ...	**129·1**	**24,805**	**22,464**	**17,887**	**17,373**
DUBLIN No. 1 DISTRICT					
DUBLIN CITY AREA ...	**494·7**	**127,408**	**125,019**	**85,459**	**84,026**
Dublin City	494·7	127,408	125,019	85,459	84,026
TOTALS ...	**494·7**	**127,408**	**125,019**	**85,459**	**84,026**
DUBLIN No. 2 DISTRICT					
BALLYMUN AREA ...	**20·3**	**6,052**	**5,114**	**1,636**	**1,555**
Artane	3·2	625	541	394	394
Ballymun	2·3	537	516	Nil	Nil
Blanchardstown	·7	207	207	107	107
Castleknock	1·1	180	177	165	162
Coolock	1·7	174	157	7	7
Finglas	4·4	2,767	2,320	576	557
Santry	2·9	792	431	351	296
Ballymun	*4·0*	*770*	*765*	*36*	*32*
BRAY AREA	**16·3**	**4,453**	**4,359**	**2,270**	**2,254**
Bray	12·1	3,427	3,354	2,161	2,145
Shankill-Loughlinstown ...	2·9	562	562	28	28
Bray	*1·3*	*464*	*443*	*81*	*81*
CHAPELIZOD AREA ...	**30·1**	**6,092**	**5,536**	**5,325**	**5,137**
Bluebell	·9	104	103	98	98
Chapelizod	2·5	414	385	284	114
Clondalkin	1·4	702	604	4,150	4,132
The Ranch	18·2	3,538	3,173	63	63
Chapelizod	*7·1*	*1,334*	*1,271*	*730*	*730*
DÚN LAOGHAIRE AREA	**75·9**	**21,103**	**20,058**	**3,001**	**2,889**
Dundrum-Milltown ...	15·5	5,331	5,006	290	284
Dún Laoghaire Borough ...	47·9	12,163	11,781	2,313	2,238
Kilternan-Scalp	·2	37	38	Nil	Nil
Stillorgan-Ballybrack ...	10·4	3,024	2,717	325	294
Dún Laoghaire	*1·9*	*548*	*516*	*73*	*73*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
DUBLIN No. 2 DISTRICT—*continued.*					
GRANGE AREA	**2·6**	**1,442**	**1,256**	**95**	**88**
Baldoyle	·9	381	371	59	59
Raheny	1·4	792	682	17	17
Grange	*·3*	*269*	*203*	*19*	*12*
GREYSTONES AREA ...	**6·4**	**1,757**	**1,730**	**361**	**361**
Delgany-Killincarrig ...	·9	320	314	13	13
Greystones	2·2	701	688	317	317
Newtownmountkennedy ...	·7	146	144	11	11
Greystones	*2·6*	*590*	*584*	*20*	*20*
HOWTH AREA	**5·8**	**1,299**	**1,279**	**131**	**130**
Howth-Sutton	5·8	1,299	1,279	131	130
LEIXLIP AREA	**13·0**	**3,741**	**2,930**	**3,028**	**2,921**
Ballydowd	·1	21	21	Nil	Nil
Celbridge	·8	184	177	146	140
Kilcock	·7	147	145	83	83
Leixlip	·7	281	266	259	256
Lucan	1·3	489	487	561	566
Maynooth	·8	307	301	180	180
Palmerstown	·7	307	259	96	60
Leixlip	*7·9*	*2,005*	*1,274*	*1,703*	*1,636*
NAAS AREA	**12·5**	**2,567**	**2,480**	**1,873**	**1,798**
Naas	3·7	795	753	722	662
Naas	*8·8*	*1,772*	*1,727*	*1,151*	*1,136*
SKERRIES AREA ...	**9·0**	**2,377**	**1,741**	**578**	**597**
Balbriggan	2·9	694	651	343	362
Skerries	2·5	723	716	135	135
Skerries	*3·6*	*960*	*374*	*100*	*100*
SWORDS AREA ...	**14·5**	**3,547**	**3,386**	**1,485**	**1,472**
Malahide	2·0	684	674	635	632
Portmarnock	1·1	228	226	38	35
Rush	1·9	576	556	108	108
Swords	1·1	463	450	368	361
Swords	*8·4*	*1,596*	*1,480*	*336*	*336*
WICKLOW AREA... ...	**10·7**	**2,173**	**2,101**	**1,248**	**1,245**
Rathdrum	1·3	211	207	447	447
Wicklow	3·3	815	796	573	570
Wicklow	*6·1*	*1,147*	*1,098*	*228*	*228*
TOTALS ...	**217·1**	**56,603**	**51,970**	**21,031**	**20,447**
DUNDALK DISTRICT					
ARDEE AREA	**10·2**	**1,903**	**1,804**	**2,707**	**2,580**
Ardee	2·5	491	460	430	353
Bailieborough	·7	261	239	498	498
Carrickmacross	2·1	576	570	307	301
Drumcondrath	·1	38	33	7	7
Kingscourt	·5	186	157	1,115	1,082
Shercock	·2	87	83	219	215
Athboy	*1·6*	*2*	*Nil*	*Nil*	*Nil*
Magheracloone	*2·5*	*262*	*262*	*131*	*124*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
DUNDALK DISTRICT—*continued.*					
BALLYBAY AREA ...	**16·9**	**2,958**	**2,256**	**3,425**	**3,217**
Ballybay	1·0	306	268	445	445
Castleblayney	2·2	523	513	1,002	968
Monaghan	4·7	927	894	1,625	1,582
Anyalla	*2·6*	*341*	*Nil*	*90*	*Nil*
Clontibret	*1·8*	*254*	*Nil*	*40*	*Nil*
Tydavnet	*4·6*	*607*	*581*	*223*	*222*
CAVAN AREA	**12·5**	**2,567**	**2,306**	**2,029**	**1,806**
Arvagh	·4	135	124	108	106
Ballinagh	·3	75	73	4	4
Ballyconnell	·3	115	114	49	49
Ballyjamesduff	·7	126	123	120	120
Belturbet	1·2	280	275	420	317
Butler's Bridge	·1	29	28	13	13
Cavan	3·6	872	854	606	588
Crossdoney	·1	15	15	124	124
Killeshandra	·4	115	113	422	422
Kilnaleck	·2	57	55	3	2
Oldcastle...	·6	203	194	79	39
Virginia	·3	118	116	20	20
Bawnboy	*3·1*	*309*	*109*	*53*	*2*
Gowna	*1·2*	*118*	*113*	*8*	*Nil*
COOTEHILL AREA ...	**7·3**	**1,478**	**1,451**	**731**	**713**
Clones	2·5	681	665	266	260
Cootehill	1·5	389	378	465	453
Drum	·1	16	15	Nil	Nil
Scotshouse	*3·2*	*392*	*393*	*Nil*	*Nil*
DROGHEDA AREA ...	**35·9**	**6,838**	**6,487**	**18,246**	**17,944**
Bettystown etc.	·6	181	156	86	86
Drogheda	16·8	3,740	3,693	5,725	5,492
Newtown	—	1	1	12,002	12,002
Collon	*2·3*	*332*	*324*	*67*	*66*
Duleek	*2·3*	*338*	*324*	*5*	*Nil*
Julianstown	*3·0*	*646*	*610*	*29*	*19*
Rathfeigh...	*1·3*	*170*	*Nil*	*53*	*Nil*
Slane	*2·2*	*318*	*304*	*203*	*203*
Termonfeckin	*4·2*	*672*	*642*	*60*	*60*
Togher	*1·4*	*203*	*199*	*2*	*2*
Tullyallen	*1·8*	*237*	*234*	*14*	*14*
DUNDALK AREA... ...	**40·2**	**8,080**	**7,679**	**6,036**	**5,356**
Blackrock	·8	243	238	34	34
Dundalk	19·7	4,641	4,473	5,919	5,257
Cooley	*6·7*	*1,354*	*1,302*	*18*	*13*
Haggardstown	*3·2*	*624*	*586*	*7*	*Nil*
Inniskeen	*2·1*	*98*	*Nil*	*Nil*	*Nil*
Kilcurry	*2·8*	*432*	*420*	*Nil*	*Nil*
Kilsaran	*2·7*	*385*	*375*	*53*	*52*
Tallanstown	*2·2*	*303*	*285*	*5*	*Nil*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
DUNDALK DISTRICT—*continued.*					
NAVAN AREA	**26·6**	**4,988**	**4,533**	**2,293**	**2,143**
An Uaimh (Navan) ...	4·3	1,141	1,113	1,515	1,463
Athboy	·4	205	172	176	169
Ceannanus Mór (Kells) ...	2·1	554	536	191	268
Trim	1·3	334	332	308	165
Bohermeen	*1·8*	*262*	*257*	*4*	*Nil*
Crossakiel	*2·4*	*296*	*294*	*Nil*	*Nil*
Dunderry	*2·4*	*236*	*215*	*Nil*	*Nil*
Liscarton	*2·7*	*374*	*371*	*Nil*	*Nil*
Moynalty	*2·7*	*480*	*461*	*1*	*Nil*
Nobber	*2·6*	*406*	*386*	*4*	*4*
Rathkenny	*1·8*	*300*	*Nil*	*17*	*Nil*
Tara	*2·1*	*400*	*396*	*77*	*74*
TOTALS ...	**149·6**	**28,812**	**26,516**	**35,467**	**33,759**
GALWAY DISTRICT					
CLAREMORRIS AREA ...	**19·9**	**3,221**	**2,871**	**1,014**	**975**
Ballinrobe	1·2	330	325	78	78
Ballyhaunis	1·1	332	330	147	144
Claremorris	1·1	418	427	527	513
Ballinlough	*2·6*	*430*	*430*	*28*	*24*
Ballintubber	*2·3*	*292*	*Nil*	*Nil*	*Nil*
Cong	*3·0*	*354*	*331*	*140*	*128*
Crossboyne	*1·7*	*150*	*148*	*13*	*13*
Dunmore	*3·3*	*355*	*342*	*13*	*13*
Hollymount	*2·6*	*388*	*371*	*17*	*17*
Knock	*1·0*	*172*	*167*	*51*	*45*
GALWAY AREA ...	**32·0**	**5,616**	**4,853**	**2,910**	**2,553**
Galway	21·3	4,206	4,119	2,518	2,400
Oranmore	·2	55	51	29	29
Annaghdown	*2·6*	*360*	*Nil*	*Nil*	*Nil*
Castlegar	*1·2*	*145*	*135*	*127*	*Nil*
Clifden	*1·5*	*278*	*Nil*	*3*	*Nil*
Oughterard	*3·5*	*390*	*380*	*114*	*109*
Spiddal	*1·7*	*182*	*168*	*119*	*15*
GORT AREA	**15·7**	**2,625**	**1,855**	**673**	**596**
Athenry	1·2	271	251	177	177
Clarinbridge	·1	31	34	8	8
Gort	1·0	276	257	217	210
Loughrea	2·8	513	480	183	188
Ardrahan	*2·5*	*308*	*297*	*18*	*13*
Ballymacward	*1·3*	*154*	*Nil*	*2*	*Nil*
Ballyvaughan	*3·1*	*480*	*463*	*38*	*Nil*
Looscaun	*·9*	*147*	*Nil*	*20*	*Nil*
Woodford	*2·8*	*445*	*73*	*10*	*Nil*
TUAM AREA	**19·6**	**3,095**	**2,388**	**498**	**437**
Dunmore	·5	136	131	30	28
Tuam	5·0	1,067	1,043	312	305
Abbeyknockmoy	*3·1*	*342*	*Nil*	*Nil*	*Nil*
Glenamaddy	*5·0*	*579*	*574*	*80*	*72*
Headford	*4·3*	*658*	*640*	*73*	*32*
Menlough	*1·7*	*313*	*Nil*	*3*	*Nil*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
GALWAY DISTRICT—*continued.*					
WESTPORT AREA ...	**26·8**	**4,138**	**3,792**	**2,000**	**1,767**
Castlebar	5·3	918	909	836	787
Louisburgh	·3	91	86	Nil	Nil
Newport	·4	108	115	47	45
Westport	3·1	755	727	894	880
Achill	*5·4*	*790*	*771*	*2*	*2*
Ballyheane	*1·0*	*117*	*Nil*	*Nil*	*Nil*
Belcarra	*3·2*	*387*	*385*	*53*	*50*
Mount Gordon	*2·2*	*266*	*162*	*136*	*Nil*
Mulrany	*2·7*	*393*	*361*	*3*	*Nil*
Murrisk	*3·2*	*313*	*276*	*29*	*3*
TOTALS ...	**114·0**	**18,695**	**15,759**	**7,095**	**6,328**
LIMERICK DISTRICT.					
CAHIR AREA	**15·0**	**2,804**	**2,118**	**1,065**	**900**
Cahir	1·6	485	472	365	323
Cashel	2·8	541	533	248	227
Ardfinnan	*2·4*	*425*	*136*	*121*	*111*
Ballyporeen	*2·1*	*291*	*199*	*42*	*Nil*
Cahir	*2·1*	*364*	*354*	*97*	*97*
Clogheen	*2·3*	*410*	*394*	*96*	*46*
New Inn	*1·7*	*288*	*30*	*96*	*96*
ENNIS AREA	**17·2**	**3,310**	**2,933**	**1,974**	**1,639**
Clarecastle	·6	123	120	1	1
Ennis	6·1	1,654	1,581	809	883
Kilkishen	·1	28	30	Nil	Nil
Rineanna-Ballygireen ...	·2	30	29	414	414
Tulla	·4	114	113	49	49
Bodyke	*2·6*	*385*	*383*	*323*	*280*
Clarecastle	*1·8*	*257*	*256*	*354*	*12*
Corofin	*2·1*	*284*	*Nil*	*15*	*Nil*
Kildysart	*2·2*	*284*	*284*	*9*	*Nil*
Quin	*1·1*	*151*	*137*	*Nil*	*Nil*
ENNISTYMON AREA ...	**5·4**	**1,211**	**1,189**	**431**	**422**
Ennistymon	1·1	318	319	386	386
Kilfenora	·2	46	46	3	3
Lahinch	·3	103	98	10	10
Lisdoonvarna	·3	135	133	10	10
Miltown Malbay	·7	203	197	15	12
Mullagh	*2·8*	*406*	*396*	*7*	*1*
KILMALLOCK AREA ...	**15·6**	**2,971**	**2,934**	**1,632**	**1,537**
Ballylanders	·2	62	63	36	36
Bruff	·6	113	109	34	34
Bruree	·3	99	94	168	158
Galbally	·2	46	45	24	24
Garryspillane	·1	11	10	102	101
Hospital	·6	140	136	40	38
Kilfinane...	·7	193	185	66	67
Kilmallock	1·1	330	328	301	289
Ballycampion	*2·4*	*392*	*398*	*72*	*72*
Herbertstown	*2·6*	*462*	*457*	*136*	*136*
Hospital	*2·5*	*433*	*423*	*335*	*264*
Kilfinane...	*2·0*	*321*	*322*	*158*	*158*
Kilmallock	*2·3*	*369*	*364*	*160*	*160*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
LIMERICK DISTRICT—*continued.*					
KILRUSH AREA ...	**6·5**	**1,314**	**1,290**	**758**	**661**
Kilkee	1·7	381	370	44	43
Kilrush	3·2	711	700	714	618
Carrigaholt	*1·6*	*222*	*220*	*Nil*	*Nil*
LIMERICK AREA ...	**77·9**	**16,214**	**15,697**	**13,910**	**13,626**
Ardnacrusha–Clonlara ...	·2	22	23	348	348
Birdhill	·1	13	13	91	91
Castlemungret	—	1	1	2,670	2,670
Killaloe–Ballina	1·0	304	278	192	188
Limerick	50·8	11,566	11,389	9,353	9,169
Newport	·5	129	124	133	123
O'Briens Bridge–Mountpelier	·3	36	37	Nil	Nil
Bunratty	*3·9*	*649*	*502*	*138*	*115*
Caherconlish	*3·1*	*564*	*565*	*33*	*18*
Castleconnell	*3·1*	*611*	*597*	*399*	*398*
Drombanna	*1·5*	*291*	*283*	*90*	*90*
Fedamore	*1·9*	*43*	*Nil*	*Nil*	*Nil*
Kildimo	*2·6*	*447*	*440*	*23*	*23*
Murroe	*1·9*	*297*	*283*	*130*	*130*
Parteen	*2·9*	*504*	*492*	*92*	*89*
Patrickswell	*4·1*	*737*	*670*	*218*	*174*
NENAGH AREA	**11·2**	**2,233**	**2,116**	**1,316**	**1,295**
Cloughjordan	·5	123	122	11	11
Moneygall	·3	64	Nil	10	Nil
Nenagh	4·4	1,118	1,075	782	783
Portroe	*1·8*	*264*	*262*	*476*	*476*
Rathurles...	*2·1*	*337*	*327*	*30*	*20*
Silvermines	*2·1*	*327*	*330*	*7*	*5*
RATHKEALE AREA ...	**19·8**	**3,935**	**3,368**	**1,927**	**1,583**
Adare	·5	179	180	243	240
Ardagh	·1	50	47	132	131
Askeaton	·6	171	155	200	200
Croom	·8	144	142	18	18
Foynes	·6	165	156	296	140
Newcastle West	2·6	598	581	339	331
Rathkeale	1·5	319	312	198	198
Shanagolden	·2	64	65	40	40
Adare	*1·8*	*297*	*Nil*	*30*	*Nil*
Feenagh	*1·2*	*237*	*226*	*65*	*Nil*
Feoghanagh	*·9*	*187*	*Nil*	*Nil*	*Nil*
Kilfinny	*2·6*	*415*	*409*	*157*	*87*
Knockaderry	*2·1*	*409*	*405*	*180*	*180*
Monagea	*2·6*	*458*	*449*	*16*	*5*
Rathkeale	*1·7*	*242*	*241*	*13*	*13*
RATH LUIRC AREA ...	**4·9**	**912**	**880**	**1,217**	**1,193**
Ballagh	—	1	1	165	165
Broadford (Ráth Luirc) ...	·2	39	39	53	53
Dromina	·1	30	18	20	20
Drumcollogher	·4	125	123	39	39
Freemount	·1	45	43	175	160
Milford (Ráth Luirc) ...	·2	41	42	228	225
Newtown (Ráth Luirc) ...	·1	36	36	141	141
Ráth Luirc (Charleville) ...	1·9	590	578	396	390
Newtown	*1·9*	*5*	*Nil*	*Nil*	*Nil*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
LIMERICK DISTRICT—*continued.*					
TIPPERARY AREA ...	**26·9**	**4,884**	**3,986**	**1,673**	**1,619**
Cappamore	·6	122	117	136	121
Cappawhite	·3	77	78	23	19
Doon	·4	97	92	54	54
Tipperary	5·1	1,111	1,068	769	769
Annacarty	*2·5*	*429*	*Nil*	*Nil*	*Nil*
Bansha	*2·3*	*415*	*407*	*9*	*9*
Doon	*2·5*	*318*	*Nil*	*3*	*Nil*
Dundrum	*2·1*	*381*	*345*	*160*	*160*
Emly	*3·1*	*563*	*558*	*199*	*199*
Golden	*1·3*	*226*	*219*	*2*	*2*
Oola	*2·4*	*386*	*368*	*167*	*167*
Pallasgreen	*2·3*	*405*	*392*	*82*	*81*
Tipperary	*2·0*	*354*	*342*	*69*	*38*
TOTALS ...	**200·4**	**39,788**	**36,511**	**25,903**	**24,475**
PORTLAOISE DISTRICT					
ATHY AREA	**6·3**	**1,224**	**1,177**	**3,283**	**3,227**
Athy	3·8	914	889	3,161	3,121
Ballitore	*2·5*	*310*	*288*	*122*	*106*
CARLOW AREA	**18·3**	**3,411**	**3,280**	**2,183**	**2,112**
Carlow	7·7	1,614	1,516	1,377	1,352
Muine Bheag (Bagnelstown)	1·9	407	401	330	297
Killeshin	*1·6*	*226*	*231*	*10*	*8*
Milford	*2·4*	*371*	*364*	*345*	*335*
Muine Bheag	*2·4*	*378*	*367*	*110*	*110*
Tinryland	*2·3*	*415*	*401*	*11*	*10*
CASTLECOMER AREA ...	**6·9**	**1,681**	**1,571**	**3,171**	**2,851**
Abbeyleix	·6	224	217	370	91
Ballinakill	·3	68	68	42	39
Ballyragget	·4	128	128	56	57
Castlecomer	1·1	280	254	1,879	1,878
Durrow	·4	132	129	31	27
Freshford	·5	135	127	243	233
Urlingford–Johnstown ...	·7	155	151	46	32
Castlecomer	*2·9*	*559*	*497*	*504*	*494*
DROICHEAD NUA AREA	**7·7**	**1,972**	**1,820**	**1,559**	**1,539**
Droichead Nua (Newbridge)	3·0	964	822	1,378	1,359
Dunlavin	·4	93	89	43	43
Kilcullen	·7	216	216	71	71
Suncroft	*3·6*	*699*	*693*	*67*	*66*
KILDARE AREA	**10·5**	**2,362**	**1,916**	**4,318**	**4,288**
Edenderry	2·6	524	511	448	426
Kildare	2·3	582	577	2,694	2,696
Rathangan	·4	125	121	151	151
Kildare (Allen)	*3·1*	*825*	*409*	*1,021*	*1,012*
Kilmoney	*2·1*	*306*	*298*	*4*	*3*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
PORTLAOISE DISTRICT—*continued.*					
KILKENNY AREA ...	**16·2**	**4,282**	**3,630**	**2,515**	**2,114**
Callan	1·5	333	328	315	310
Kilkenny–Talbot's Inch ...	10·8	2,548	2,401	1,352	1,191
Gowran	*1·6*	*237*	*237*	*11*	*11*
Kilkenny	*2·3*	*1,164*	*664*	*837*	*602*
PORTARLINGTON AREA	**9·7**	**2,441**	**1,908**	**1,588**	**1,508**
Monasterevan	·4	161	162	158	158
Mountmellick	2·5	542	515	287	232
Portarlington–Clonsast ...	2·2	610	576	1,088	1,063
Ballybrittas	*2·3*	*377*	*336*	*35*	*35*
Portarlington	*2·3*	*751*	*319*	*20*	*20*
PORTLAOISE AREA	**9·0**	**1,681**	**1,450**	**1,432**	**1,420**
Ballyroan	·1	27	28	3	3
Mountrath–Castletown ...	1·2	302	296	237	237
Portlaoise (Maryborough) ...	3·8	1,015	941	1,053	1,041
Stradbally	·8	184	185	139	139
Raheen	*3·1*	*153*	*Nil*	*Nil*	*Nil*
ROSCREA AREA ...	**7·6**	**1,763**	**1,738**	**1,354**	**1,300**
Borris-in-Ossory	·2	61	58	46	46
Rathdowney	·7	242	239	88	70
Roscrea	3·0	758	750	905	878
Errill	*2·0*	*388*	*383*	*162*	*156*
Shinrone	*1·7*	*314*	*308*	*153*	*150*
THURLES AREA ...	**16·3**	**3,162**	**2,637**	**1,891**	**1,314**
Borrisoleigh	·5	126	124	110	102
Templemore	2·0	448	428	549	316
Thurles	6·3	1,255	1,220	997	715
Clonoulty...	*1·9*	*452*	*Nil*	*46*	*Nil*
Moycarky	*1·8*	*234*	*223*	*69*	*64*
Moyne	*1·7*	*293*	*289*	*73*	*70*
Templetuohy	*2·1*	*354*	*353*	*47*	*47*
TULLOW AREA	**9·3**	**1,600**	**1,570**	**573**	**519**
Baltinglass	·8	223	225	124	115
Castledermot	·4	150	150	151	147
Tullow	1·7	386	372	198	187
Killinure	*1·3*	*14*	*Nil*	*Nil*	*Nil*
Lisnavagh	*2·7*	*446*	*437*	*84*	*60*
Rathtoe	*2·4*	*381*	*386*	*16*	*10*
TOTALS ...	**117·8**	**25,579**	**22,697**	**23,867**	**22,192**
SLIGO DISTRICT.					
BALLAGHADEREEN AREA	**5·0**	**1,175**	**1,142**	**602**	**599**
Ballaghadereen	1·4	348	339	218	207
Castlerea	1·2	430	419	274	285
Gurteen	·2	55	52	92	92
Loughglynn	·1	30	31	1	Nil
Mantua	*2·1*	*312*	*301*	*17*	*15*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
SLIGO DISTRICT—*continued.*					
BALLINA AREA	**17·4**	**3,182**	**2,585**	**1,081**	**993**
Ballina–Crocketstown ...	6·3	1,536	1,529	880	806
Crossmolina	·7	200	166	134	125
Inniscrone	·5	144	142	28	28
Killala	·3	88	89	3	1
Ballycastle	*2·4*	*245*	*247*	*Nil*	*Nil*
Easky	*3·3*	*415*	*412*	*36*	*33*
Knockmore	*3·9*	*554*	*Nil*	*Nil*	*Nil*
BALLYSHANNON AREA ...	**7·1**	**1,405**	**1,394**	**1,472**	**1,431**
Ballyshannon	2·8	709	706	1,204	1,199
Bundoran	1·7	407	404	254	226
Rossnowlagh	*2·6*	*289*	*284*	*14*	*6*
CARRICK-ON-SHANNON AREA	**11·1**	**1,962**	**1,419**	**1,635**	**1,333**
Arigna	—	6	9	518	439
Ballinamore	·7	209	197	123	86
Carrick-on-Shannon ...	1·5	379	372	601	551
Drumsna–Jamestown ...	·2	40	39	Nil	Nil
Elphin	·5	134	134	45	24
Leitrim	·1	34	33	40	Nil
Mohill	·8	221	217	86	65
Strokestown	·6	162	163	57	40
Ballyfarnon	*1·7*	*199*	*26*	*15*	*Nil*
Carrigallen	*2·5*	*231*	*229*	*128*	*128*
Dromod	*2·5*	*347*	*Nil*	*22*	*Nil*
KILLYBEGS AREA ...	**13·9**	**2,166**	**1,632**	**397**	**198**
Donegal	1·1	330	289	106	75
Ardara	*3·9*	*755*	*467*	*75*	*57*
Dunkineely	*2·1*	*231*	*227*	*8*	*8*
Kilcar	*3·7*	*516*	*317*	*207*	*57*
Mountcharles	*3·1*	*334*	*332*	*1*	*1*
LETTERKENNY AREA ...	**29·1**	**4,459**	**2,226**	**1,502**	**1,277**
Ballybofey–Stranorlar ...	1·3	352	1	69	78
Buncrana	3·0	659	Nil	Nil	Nil
Convoy	·6	159	157	909	765
Letterkenny	3·0	769	755	371	354
Lifford	·5	189	193	68	68
Burt	*2·6*	*437*	*333*	*1*	*Nil*
Carrigans	*3·2*	*466*	*Nil*	*71*	*Nil*
Killygordon	*4·2*	*454*	*1*	*Nil*	*Nil*
Manor	*3·5*	*405*	*369*	*Nil*	*Nil*
Raphoe	*3·6*	*428*	*414*	*13*	*12*
Ramelton	*3·6*	*141*	*3*	*Nil*	*Nil*
SLIGO AREA	**30·9**	**5,466**	**5,115**	**3,056**	**3,002**
Ballymote	·8	247	241	148	148
Blacklion	·1	36	35	8	8
Collooney	—	1	1	400	400
Sligo	13·5	2,862	2,746	1,752	1,744
Coolaney	*2·0*	*178*	*Nil*	*Nil*	*Nil*
Drumcliffe	*2·3*	*384*	*372*	*57*	*57*
Grange	*3·7*	*471*	*459*	*6*	*5*
Kiltyclogher	*3·2*	*539*	*526*	*141*	*136*
Riverstown	*2·5*	*331*	*322*	*80*	*81*
Strandhill	*2·8*	*417*	*413*	*464*	*423*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
SLIGO DISTRICT—*continued.*					
SWINFORD AREA ...	**12·4**	**2,064**	**2,029**	**1,015**	**983**
Charlestown–Bellahy ...	·7	200	202	63	62
Curry	·1	21	21	Nil	Nil
Foxford	·8	225	219	309	309
Kilkelly	·1	72	71	2	1
Kiltimagh	1·0	260	258	206	184
Swinford	1·2	333	330	213	206
Tubbercurry	·9	230	221	189	188
Aclare	*2·2*	*233*	*217*	*13*	*13*
Bohola	*5·4*	*490*	*490*	*20*	*20*
TOTALS ...	**126·9**	**21,879**	**17,542**	**10,760**	**9,816**
TRALEE DISTRICT					
KANTURK AREA ...	**11·7**	**2,250**	**2,007**	**1,288**	**1,254**
Boherbue	·2	81	79	217	217
Dromtariffe	—	10	7	61	60
Kanturk	1·6	472	464	538	507
Millstreet	·9	294	289	189	189
Newmarket	·8	245	231	201	201
Castlemagner	*2·7*	*318*	*316*	*42*	*41*
Drishane	*1·6*	*277*	*226*	*1*	*Nil*
Gneeveguilla	*1·4*	*111*	*Nil*	*Nil*	*Nil*
Knocknagree	*2·5*	*442*	*395*	*39*	*39*
KILLARNEY AREA ...	**9·8**	**1,958**	**1,888**	**1,749**	**1,743**
Castlemaine	·1	29	28	186	186
Killarney	6·3	1,210	1,175	581	577
Killorglin	·7	297	268	176	176
Miltown	·3	71	71	45	44
Rathmore	·3	71	68	761	760
Shinnagh...	*2·1*	*280*	*278*	*Nil*	*Nil*
LISTOWEL AREA ...	**9·6**	**2,167**	**2,055**	**1,688**	**1,621**
Abbeyfeale	1·2	314	302	204	188
Athea	·2	71	70	Nil	Nil
Ballylongford	·4	117	118	204	205
Brosna	·3	86	82	325	295
Duagh	·1	26	24	2	2
Glin	·6	159	125	154	154
Listowel	3·1	699	684	648	626
Newtownsandes	·2	49	46	59	59
Tarbert	·3	95	79	42	42
Ahafona	*3·2*	*551*	*525*	*50*	*50*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive H.P. at 31st March	
		1954	1953	1954	1953
TRALEE DISTRICT—*continued.*					
TRALEE AREA	**39·8**	**7,261**	**5,805**	**2,733**	**2,332**
Castleisland	1·5	414	396	424	319
Dingle	1·5	302	Nil	Nil	Nil
Tralee	11·0	2,664	2,607	1,805	1,779
Abbeydorney	*2·4*	*305*	*302*	*137*	*137*
Annascaul	*1·6*	*227*	*Nil*	*Nil*	*Nil*
Ardfert	*2·8*	*436*	*414*	*4*	*4*
Ardoughter	*2·1*	*301*	*289*	*Nil*	*Nil*
Ballyheigue	*2·3*	*307*	*290*	*80*	*Nil*
Ballymacelligott	*2·9*	*406*	*396*	*63*	*63*
Castlegregory	*2·4*	*560*	*358*	*20*	*20*
Causeway	*1·8*	*277*	*260*	*10*	*10*
Fenit	*3·4*	*480*	*457*	*Nil*	*Nil*
Killeentierna	*2·4*	*367*	*36*	*190*	*Nil*
Lispole	*1·7*	*215*	*Nil*	*Nil*	*Nil*
TOTALS ...	**70·9**	**13,636**	**11,755**	**7,458**	**6,950**
WATERFORD DISTRICT.					
ARKLOW AREA	**14·7**	**2,937**	**2,878**	**2,832**	**2,370**
Arklow	5·2	1,334	1,307	1,476	1,171
Gorey	2·9	654	647	1,083	1,020
Avoca	*2·2*	*369*	*355*	*74*	*7*
Courtown	*2·1*	*261*	*255*	*136*	*112*
Inch	*2·3*	*319*	*314*	*63*	*60*
CARRICK-ON-SUIR AREA	**14·2**	**2,319**	**1,920**	**2,923**	**2,640**
Carrick-on-Suir	4·8	953	952	1,064	1,000
Portlaw	·9	242	229	1,025	1,023
Kilmoganny	*2·8*	*378*	*Nil*	*1*	*Nil*
Kilsheelan (part)	*1·3*	*185*	*186*	*544*	*288*
Mullinahone	*1·8*	*229*	*223*	*69*	*74*
Owning	*2·6*	*332*	*330*	*220*	*255*
CLONMEL AREA	**18·9**	**3,473**	**2,871**	**3,346**	**2,480**
Clonmel	10·5	2,219	2,123	1,919	1,844
Fethard	1·0	279	270	143	129
Killenaule	·5	126	113	115	115
Ballingarry	*2·0*	*237*	*229*	*1,033*	*289*
Kilsheelan (part)	*1·2*	*138*	*136*	*123*	*103*
Marlfield	*2·2*	*275*	*Nil*	*13*	*Nil*
Powerstown	*1·5*	*199*	*Nil*	*Nil*	*Nil*
DUNGARVAN AREA ...	**18·9**	**3,187**	**2,972**	**2,995**	**2,271**
Cappoquin	·8	248	246	158	156
Dungarvan	5·4	1,245	1,237	1,406	1,406
Lismore	1·1	307	296	144	167
Tallow	·7	206	193	105	89
Ballinamult	*2·6*	*142*	*Nil*	*Nil*	*Nil*
Ballyduff	*2·2*	*294*	*284*	*263*	*194*
Kilmacthomas	*2·8*	*331*	*314*	*200*	*74*
Shandon	*3·3*	*414*	*402*	*719*	*185*

Towns and Areas Supplied	Approx. Population in thousands	No. of Consumers at 31st March		Industrial Motive at 31st March	
		1954	1953	1954	1953
WATERFORD DISTRICT—*continued.*					
ENNISCORTHY AREA ...	**16·5**	**2,877**	**2,647**	**2,527**	**2,149**
Bunclody–Carrickduff ...	·8	244	241	335	112
Carnew	·4	103	99	48	35
Clonegal	·1	33	32	3	3
Enniscorthy	5·9	1,402	1,339	1,406	1,400
Ferns	·4	128	127	371	343
Shillelagh	·1	78	77	122	122
Tinahely	·3	84	84	27	24
Bree	*2·4*	*346*	*312*	*36*	*13*
Camolin	*2·8*	*91*	*Nil*	*3*	*Nil*
Kilmuckridge	*1·3*	*139*	*144*	*38*	*37*
Oylegate	*2·0*	*229*	*192*	*138*	*60*
NEW ROSS AREA ...	**17·2**	**2,933**	**2,588**	**2,349**	**1,878**
Ballyhale	·1	28	28	14	14
Borris (Carlow)	·5	114	116	75	71
Graiguenamanagh-Tinnahinch	1·4	286	281	334	301
Inistioge	·3	71	68	Nil	Nil
New Ross	4·9	1,064	1,022	1,406	1,117
Thomastown	·7	227	220	77	61
Fethard-on-Sea	*2·3*	*249*	*234*	*4*	*16*
Shelbourne	*2·5*	*345*	*319*	*263*	*219*
Stoneyford	*2·5*	*298*	*294*	*140*	*79*
Whitechurch	*2·0*	*251*	*6*	*36*	*Nil*
TRAMORE AREA ...	**4·9**	**1,210**	**1,015**	**269**	**252**
Dunmore East	·3	151	144	81	80
Passage East	·4	102	91	1	1
Tramore	2·8	791	780	175	171
Kilmeadon (part)	*1·4*	*166*	*Nil*	*12*	*Nil*
WATERFORD AREA ...	**35·5**	**7,419**	**6.969**	**11,203**	**7,864**
Glenmore	·1	35	35	158	Nil
Waterford	28·7	6,533	6,257	9,066	6,407
Kilmeadon (part)	*·8*	*100*	*Nil*	*Nil*	*Nil*
Pollrone	*3·3*	*429*	*359*	*543*	*381*
Slieverue	*2·6*	*322*	*318*	*1,436*	*1,076*
WEXFORD AREA ...	**28·5**	**4,668**	**4,167**	**3,985**	**3,715**
Rosslare Harbour–Kilrane ...	·6	173	168	226	226
Rosslare Strand	·3	122	118	46	46
Taghmon	·4	70	68	40	37
Wexford	12·0	2,615	2,494	2,973	2,922
Bannow	*2·5*	*278*	*236*	*20*	*6*
Castlebridge	*2·6*	*263*	*47*	*104*	*Nil*
Kilmore	*3·8*	*373*	*320*	*3*	*Nil*
Lady's Island	*3·2*	*399*	*382*	*Nil*	*1*
Piercetown	*3·1*	*375*	*334*	*573*	*477*
TOTALS ...	**169·3**	**31,023**	**28,027**	**32,429**	**25,619**

ELECTRICITY SUPPLY BOARD

NOTICE

TO ELECTRICITY CONSUMERS

REVISION OF DOMESTIC TWO-PART TARIFFS

The Electricity Supply Board hereby gives notice that the existing two-part tariffs for domestic electricity supply will be replaced by the following new tariffs. except for consumers supplied from rural electrification networks. Domestic electricity supplies not on two-part tariffs (such as water heating or night storage heating) are not affected, where separately metered ,by this change. The new Tariffs will apply to all accounting periods commencing after the 28th February, 1954.

A new scale of charges for consumers on current limiter supply will come into force on 5th April, 1954.

TARIFF 1—DUBLIN CITY AREA OF SUPPLY :

Fixed amount per bi-mensal accounting period :

8/- for 5 chargeable rooms or less plus 3/- for each additional chargeable room, the maximum of chargeable rooms to be 10 (apart from exceptional cases referred to hereunder)—plus :—

Unit Charge

For the first 360 units in each bi-mensal accounting period—1.4d. per unit.

For excess over 360 units in each bi-mensal accounting period—1.0d. per unit.

NOTE—Those consumers who are at present paying for general domestic supply at the standard flat rates applicable to general domestic supply may continue to do so in respect of their present dwellings only, and will be assumed to have opted to do so in default of notification to the contrary. This option shall, however, not be available to any new consumer, nor to any existing consumer in respect of any dwelling other than his present dwelling. Such existing consumers as elect to accept supply on the two-part tariff basis may do so by notifying the Board.

TARIFF II—GREATER DUBLIN AREA OF SUPPLY, CORK CITY AREA, LIMERICK CITY AREA, and WATERFORD CITY AREA.

Fixed amount per bi-mensal accounting period :

8/- for 4 chargeable rooms or less plus 3/- for each additional chargeable room, the maximum number of chargeable rooms to be 10 (apart from exceptional cases referred to hereunder)—plus :—

Unit Charge

For the first 360 units per bi-mensal accounting period—1.4d. per unit.

For excess over 360 units per bi-mensal accounting period—1.0d. per unit.

TARIFF III—ALL OTHER AREAS OF SUPPLY :

Fixed amount per bi-mensal accounting period :

9/- for 4 chargeable rooms or less plus 3/- for each additional room, the maximum number of chargeable rooms to be 10 (apart from exceptional cases referred to hereunder)—plus :—

Unit Charge

For the first 360 units per bi-mensal accounting period—1.5d. per unit.

For excess over 360 units per bi-mensal accounting period—1.0d. per unit.

" Chargeable Rooms " for the purpose of the above tariffs shall mean in the case of the normal residence, bedrooms, living or reception rooms and kitchen. A more detailed definition will be supplied on request. The Board reserves the right to alter the fixed amount for exceptionally large private residences having more than 10 chargeable rooms.

Consumers will be required to notify the Board of any alteration in the number of chargeable rooms, but the decision of the Board regarding the number of rooms chargeable will in all cases be final.

CURRENT LIMITER SUPPLY

The new charges will be as follows (as from 5th April, 1954) :—

Limited to 60 watts	.....	1/- per week
,, ,, 100 ,,	.....	1/6 ,, ,,
,, ,, 150 ,,	.....	1/9 ,, ,,

By Order of the Board.

PATRICK J. DEMPSEY, SECRETARY.

Date : 26th January, 1954.

ELECTRICITY SUPPLY BOARD

NOTICE

TO ELECTRICITY CONSUMERS

Revision of Two-part Tariffs—Residential Business Premises

The Electricity Supply Board hereby gives notice that the existing two-part tariffs for residential business premises will be replaced by the following new tariff, except for consumers supplied from rural electrification networks. Supplies (such as waterheating, or night storage heating) not on two-part tariffs are not affected, where separately metered, by this change. The new tariff will apply to all accounting periods commencing after the 28th February, 1954.

Fixed amount per bi-mensal accounting period :

12/- for 4 chargeable rooms or less plus 3/- for each additional chargeable room, the maximum of chargeable rooms to be 15 (where the number of chargeable rooms exceeds 15, standard flat rates will apply)—plus :—

Unit Charge :

For the first 480 units in each bi-mensal accounting period 1.5d. per unit.

For excess over 480 units in each bi-mensal accounting period 1.0d. per unit.

" Chargeable Rooms " for the purpose of this tariff shall include, normally, bedrooms, living or reception rooms, kitchen, and shop or store-rooms. If any room exceeds 300 sq. ft. in internal floor area, each 300 sq. ft. or part thereof shall be reckoned as a chargeable room. The decision of the Board regarding the number of rooms chargeable will in all cases be final. Other conditions attaching to the existing tariffs for residential business premises continue unaltered.

By Order of the Board,

PATRICK J. DEMPSEY, SECRETARY.

26th January, 1954.

ELECTRICITY SUPPLY BOARD

INDUSTRIAL MAXIMUM DEMAND TARIFFS

(a) For supplies at high tension.

Chargeable maximum demand (Kilowatts).	Two monthly fixed charge. £ s. d.	Two monthly charge per kW. of chargeable maximum demand. £ s. d.
0 — 200	22 0 0	1 2 0
200 — 500	42 0 0	1 0 0
500 —1,000	92 0 0	0 18 0
Over 1,000	192 0 0	0 16 0

AND IN ADDITION

For the first 500,000 units consumed per two monthly accounting period ... ... 0.88d per kWh
For the excess over 500,000 units consumed per two monthly accounting period ... ... 0.79d „ „

SUBJECT TO VARIATION AS FOLLOWS :—

Fuel Clause :

The basic prices of 0.88d. and 0.79d. per kWh are increased or diminished by 0.01d. per kWh for every complete 0.08d. by which the average cost of fuel used by the Board during the previous two monthly accounting period exceeds or falls short of 5.46d. per therm of 100,000 British Thermal Units. The resultant adjustment made by the Board in any account shall, without further proof, be deemed to have been correctly calculated in accordance with the relative cost of fuel.

Low Power Factor Surcharge.

If the consumption exceeds 4,000 kilowatt hours in any two monthly period and if the reactive kilovolt-ampere-hours ("wattless units") recorded on the same circuit during the same period exceed 70% of the kilowatt hours recorded, an additional charge of 0.10d. per " wattless unit " will be made for all "wattless units ".

(b) For supplies at low tension.

Chargeable maximum demand (Kilowatts).	Two monthly fixed charge. £ s. d.	Two monthly charge per kW. of chargeable maximum demand £ s. d.
0 — 10	19 0 0	(none)
10 — 20	3 0 0	1 12 0
20 — 50	7 0 0	1 8 0
50 — 100	12 0 0	1 6 0
100 — 200	22 0 0	1 4 0
200 — 500	52 0 0	1 1 0
500 —1,000	77 0 0	1 0 0
Over 1,000	177 0 0	0 18 0

AND IN ADDITION

For all units consumed ... ... 0.90d. per kWh

SUBJECT TO VARIATION AS FOLLOWS :—

Fuel Clause :

The basic price of 0.90d. per kWh is increased or diminished by 0.01d. per kWh for every complete 0.08d. by which the average cost of fuel used by the Board during the previous two monthly accounting period exceeds or falls short of 5.46d. per therm of 100,000 British Thermal Units. The resultant adjustment made by the Board in any account shall, without further proof, be deemed to have been correctly calculated in accordance with the relative cost of fuel.

Low Power Factor Surcharge :

If the consumption exceeds 4,000 kilowatt hours in any two monthly period, and if the reactive kilovolt-ampere-hours (" wattless units ") recorded

on the same circuit during the same period exceed 70% of the kilowatt hours recorded, an additional charge of 0.10d. per "wattless unit" will be made for all "wattless units".

Special Conditions and Definitions

1. Availability

The industrial maximum demand tariffs are available in all areas supplied by the Board, and are applicable to electricity consumed for industrial motive power and/or any other industrial purpose, provided that electricity used for lighting purposes does not exceed 25% of the total consumption of electricity charged on the tariff.

Lighting consumption in excess of the 25% allowed is chargeable at the standard general lighting rates in force from time to time, *less* one penny per unit. Meter rental is chargeable on check lighting meters at the standard rates in force from time to time.

Supply at high tension means a supply of Electricity given and metered at 5,000 volts, or at 10,000 volts, or at any special voltage obtained by a single transformation from the Board's 38,000 volt transmission system. When a supply is given at high tension and is to be charged according to the industrial maximum demand tariff for supplies at high tension the consumer shall, at his own expense, arrange for any further transformation or distribution of the electricity supplied which may be necessary before its final utilisation.

2. Meter Reading and Accounting Periods

Records of the maximum demand and electricity consumed are taken by the Board at intervals of approximately one month, the maximum demand meter being reset on each occasion. Accounts are furnished in respect of two monthly accounting periods, viz., January/February, March/April, May/June, July/August, September/October, November/December. Maximum demand meters are normally calibrated on the basis of fifteen minute integration.

3. Chargeable Maximum Demand

Except for accounting periods in which the off-peak allowance (see paragraph 4) is availed of, the chargeable maximum demand for any two monthly accounting period shall be the maximum demand recorded in respect of that period, provided that it shall be reckoned as not less than 70% of the highest chargeable maximum demand recorded in respect of any of the five immediately preceding two monthly accounting periods. Fractions of one kilowatt are not counted in the chargeable maximum demand.

4. Off-Peak Allowance

Where any consumer gives adequate notice to the Board of his intention to reduce his demand in the November/December and January/February accounting periods during the peak-hours specified by the Board, the chargeable maximum demand for these two accounting periods shall be the maximum demand recorded during the specified peak hours only.

The specified peak hours shall be from 4 p.m. to 6 p.m. on each week day or such other hours as may be determined from time to time by the Board, depending on the load conditions of the supply system.

5. Change to Alternative Tariff

A consumer desiring to change from an industrial maximum demand tariff to any alternative tariff which may be on offer by the Board shall give the Board notice in writing to that effect at least twelve calendar months in advance of the proposed date of change.

6. Interpretation

The Board's interpretation of these tariffs shall be final and conclusive.

ELECTRICITY SUPPLY BOARD

MAXIMUM DEMAND TARIFF FOR SUPPLIES TO CINEMAS AND CINEMA THEATRES

Chargeable demand (kilowatts).	Two monthly fixed charge. £ s. d.	Two monthly charge per kW. of chargeable demand. £ s. d.
0 — 10	33 10 0	(none)
10 — 20	9 10 0	2 8 0
20 — 50	17 10 0	2 0 0
50 — 100	30 0 0	1 15 0
Over 100	60 0 0	1 9 0

AND IN ADDITION

For the first 70,000 units per two months	...	1.2d. per kWh.
For the excess over 70,000 units per two months	...	1.0d. „ „

Low Power Factor Surcharge :

If the consumption exceeds 4,000 kilowatt hours in any two monthly period, and if the reactive kilovolt-ampere-hours ("wattless units") recorded on the same circuit during the same period exceed 70% of the kilowatt hours recorded, an additional charge of 0.1d. per "wattless unit" will be made for all "wattless units".

Special Conditions and Definitions

1. Availability

Tne maximum demand tariff for supplies to cinemas and cinema theatres is available in all areas supplied by the Board, and is applicable to electricity consumed for cinema motive power and lighting purposes. Supplies for other purposes are chargeable separately at the standard flat rates in force from time to time.

2. Meter Reading and Accounting Periods

Records of the maximum demand and electricity consumed are taken by the Board at intervals of approximately one month, the maximum demand meter being reset on each occasion. Accounts are furnished in respect of two-monthly accounting periods, viz., January/February, March/April, May/June, July/August, September/October, November/December. Maximum demand meters are normally calibrated on the basis of 15-minute integration.

3. Chargeable Demand

The chargeable demand for any two monthly accounting period shall be the maximum demand recorded in respect of that period, provided that it shall be reckoned as not less than 70% of the highest chargeable demand recorded in respect of any of the five immediately preceding two monthly accounting periods. Fractions of one kilowatt are not counted in the chargeable demand.

4. Interpretation

The Board's interpretation of this tariff shall be final and conclusive.

RURAL ELECTRIFICATION

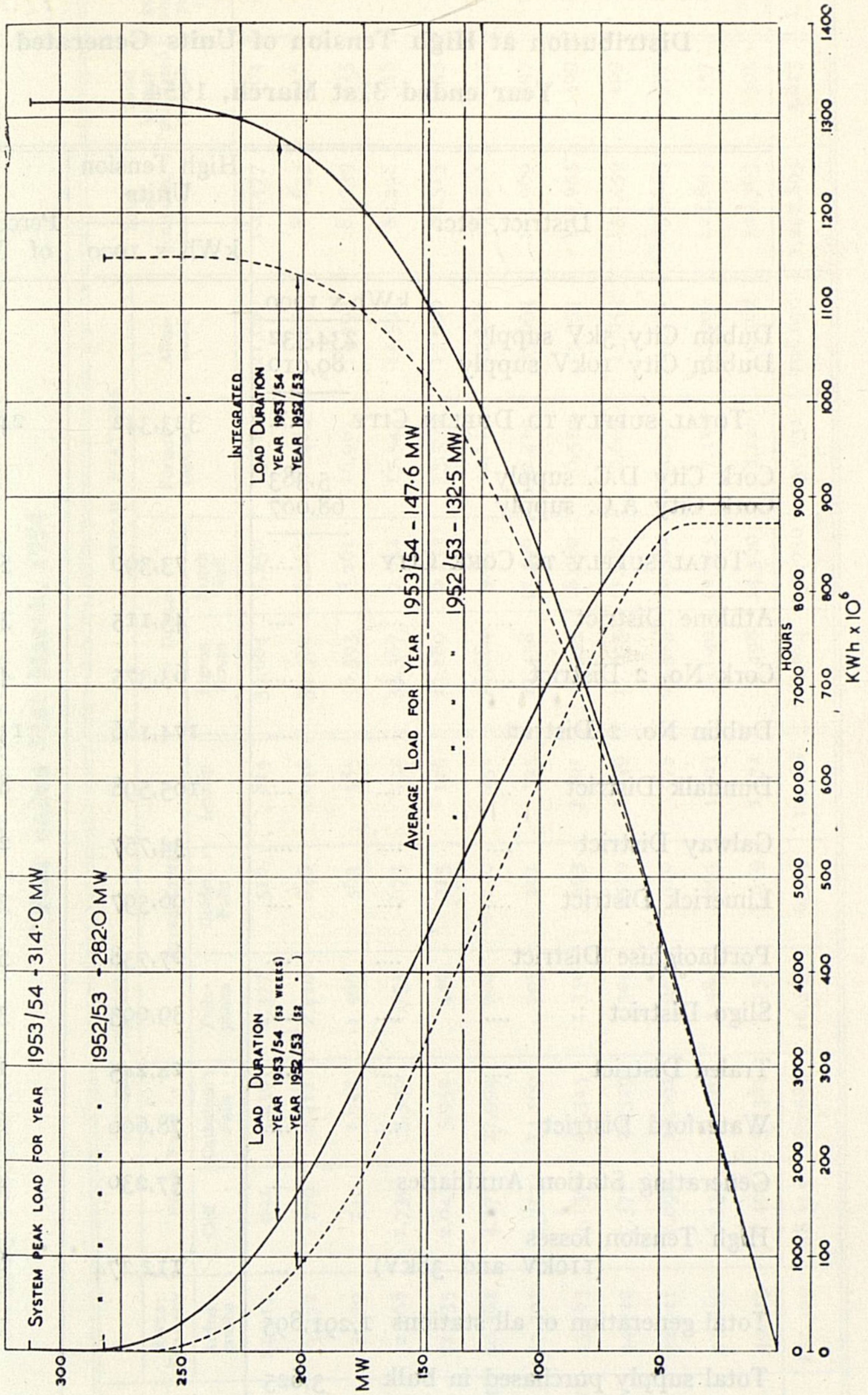
Areas Completed during Year ended 31st March, 1954

Area	County
Corfin	Clare
Aghinagh	Cork
Ballyhooley	Cork
Buttevant	Cork
Conna	Cork
Donoughmore	Cork
Carrigans	Donegal
Killygordon	Donegal
Ramelton	Donegal
Garristown	Dublin/Meath
Abbeyknockmoy	Galway
Annaghdown	Galway
Ballinamore	Galway
Ballymacward	Galway
Clifden	Galway
Looscaun	Galway
Menlough	Galway
Woodford	Galway
Annascaul	Kerry
Gneeveguilla	Kerry
Killeentierna	Kerry
Lispole	Kerry
Donadea	Kildare
Kildangan	Kildare
Bennettsbridge	Kilkenny
Kilmoganny	Kilkenny
Tullaroan	Kilkenny
Raheen	Leix
Dromod	Leitrim
Adare	Limerick
Doon	Limerick
Feohanagh	Limerick
Clonbroney	Longford
Inniskeen	Louth/Monaghan
Ballintober	Mayo
Ballyheane	Mayo
Knockmore	Mayo
Kilclone	Meath/Kildare
Ardcath	Meath
Enfield	Meath
Rathfeigh	Meath
Rathkenny	Meath
Annayalla	Monaghan
Clontibret	Monaghan
Clonsast	Offaly
Rhode	Offaly
Glinsk	Roscommon
Knockcroghery	Roscommon
Ballyfarnon	Sligo/Roscommon
Coolaney	Sligo
Annacarthy	Tipperary
Ardfinnan	Tipperary
Clonoulty	Tipperary
Marlfield	Tipperary
New Inn	Tipperary
Terryglass	Tipperary
Collinstown	Westmeath
Kilmeadon	Waterford
Whitechurch	Waterford
Powerstown	Waterford/Tipperary

Areas under Construction or Selected for Development at the 31st March, 1954

Area.	County.
Kilmainhamwood	Cavan/Meath
Cross	Clare
Feakle	Clare
Ballinhassig	Cork
Ballynoe	Cork
Boherbue	Cork
Bweeing	Cork
Castlelyons	Cork
Grenagh	Cork
Newtown	Cork
Ballyhay	Cork/Limerick
Rathmullan	Donegal
Cummer	Galway
Gorteen	Galway
Kilkieran	Galway
Rosmuc	Galway
Roundstone	Galway
Ballyforan	Galway/Roscommon
Ballydonoghue	Kerry
Cordal	Kerry
Kilgarvan	Kerry
Lixnaw	Kerry
Kealstown	Kildare
Kilmead	Kildare
Cuffe's Grange	Kilkenny
Ballylynan	Leix/Kildare
Broadford	Limerick
Fedamore	Limerick
Ballyorgan	Limerick
Castletown	Limerick
Ballinamuck	Longford
Ardee	Louth
Aghamore	Mayo
Ardagh	Mayo
Ballyglass	Mayo
Bekan	Mayo
Kilawalla	Mayo
Tourmakeady	Mayo
Athboy	Meath
Ballivor	Meath
Carnaross	Meath
Kildalkey	Meath
Summerhill	Meath
Ballymoe	Roscommon
Holycross	Tipperary
Cloneen	Tipperary
Ardmore	Waterford
Ballinamult	Waterford
Dysart	Westmeath
Camolin	Wexford
Clohamon	Wexford
Marshalstown	Wexford
Killinure	Wicklow/Carlow
Killaveny	Wicklow/Wexford

GENERATION LOAD DURATION & INTEGRATED LOAD DURATION CURVES — YEAR ENDED 31ST MARCH 1954



Distribution at High Tension of Units Generated

Year ended 31st March, 1954

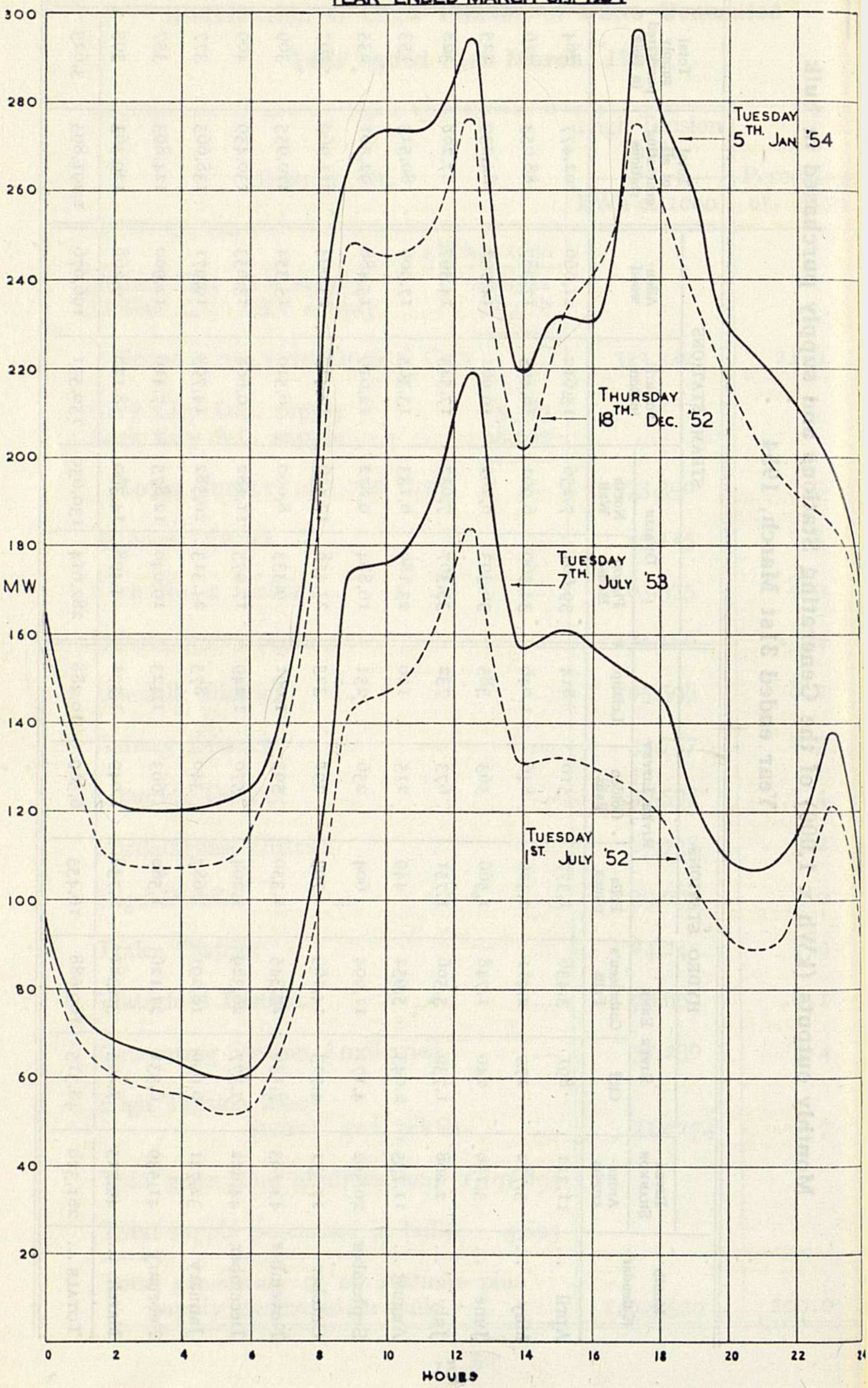
District, etc.		High Tension Units	Percentage of Total
	kWh x 1000	kWh x 1000	
Dublin City 5kV supply	234,332		
Dublin City 10kV supply	89,010		
TOTAL SUPPLY TO DUBLIN CITY		323,342	24.9
Cork City D.C. supply	5,383		
Cork City A.C. supply	68,007		
TOTAL SUPPLY TO CORK CITY		73,390	5.7
Athlone District		45,115	3.5
Cork No. 2 District		63,375	4.9
Dublin No. 2 District		174,166	13.4
Dundalk District		105,598	8.2
Galway District		34,757	2.7
Limerick District		96,597	7.4
Portlaoighise District		67,738	5.2
Sligo District		39,093	3.0
Tralee District		24,245	1.9
Waterford District		78,600	6.1
Generating Station Auxiliaries		57,230	4.4
High Tension losses (110kV and 38kV)		112,274	8.7
Total generation of all stations	1,291,895		
Total supply purchased in bulk	3,625		
Total generation of all stations plus supply purchased in bulk		1,295,520	100.0

Monthly outputs (kWh x 1,000) of the Generating Stations and supply purchased in bulk

Year ended 31st March, 1954

Month (Calendar)	HYDRO STATIONS						STEAM STATIONS				Total of all generating stations	Total supply purchased in bulk	Total generation and supply purchased in bulk
	River Shannon	River Erne		River Liffey			Dublin		Portarlington	Allenwood			
	Ardnacrusha	Cliff	Cathaleen's Falls	Pollaphuca	Golden Falls	Leixlip	Pigeon House	North Wall					
April ...	11,311	891	3,436	1,377	510	814	39,604	7,256	15,612	21,666	102,477	264	102,741
May ...	3,772	179	2,411	2,426	846	1,046	34,560	6,961	18,465	17,987	88,653	216	88,869
June ...	3,130	240	1,748	1,566	563	585	36,393	8,261	16,961	14,792	84,239	225	84,464
July ...	2,268	1,739	5,506	1,751	673	732	35,367	7,032	17,543	14,597	87,208	328	87,536
August ...	11,135	2,043	5,952	449	215	126	23,189	6,133	13,365	17,906	80,513	153	80,666
September	20,362	4,171	11,994	604	256	251	16,884	9,872	12,619	15,488	92,501	235	92,736
October	17,371	4,713	14,169	703	291	325	21,458	17,426	12,419	23,094	111,969	297	112,266
November	43,183	7,136	28,345	1,350	593	1,091	9,333	8,060	6,510	15,354	120,955	369	121,324
December	44,822	7,377	26,329	1,204	570	1,249	17,975	11,182	6,698	13,053	130,459	409	130,868
January	32,721	6,090	18,291	687	340	875	24,313	20,582	14,795	19,971	138,665	377	139,042
February	41,539	6,331	21,126	1,580	663	1,423	19,040	12,875	7,416	12,900	124,893	357	125,250
March ...	49,715	7,405	30,381	2,758	1,049	1,771	4,498	14,390	8,128	9,268	129,363	395	129,758
TOTALS ...	281,329	48,315	169,688	16,455	6,569	10,288	282,614	130,030	150,531	196,076	1,291,895	3,625	1,295,520

TYPICAL DAILY GENERATION LOAD CURVES
YEAR ENDED MARCH 31ST 1954



Particulars of the Generating Plant in commission at the 31st March, 1954

Generating Station	Type	Installed Plant
ARDNACRUSHA .... (River Shannon)	Hydro	Three Francis turbines, one rated at 34,000 h.p. and two at 30,000 h.p., each coupled to 30,000 kVA generators. One Kaplan turbine rated at 30,000 h.p. coupled to a 25,000 kVA generator. Total generating capacity—approximately 80,000 kW at 25 m head. Three transformers (10/110 kV) of 90,000 kVA total capacity, and four transformers (10/38 kV) of 32,000 kVA total capacity.
PIGEON HOUSE .... (Dublin)	Steam (Coal-fired)	Steam capacity—approximately 1,100,000 lb per hour. Total generating capacity—approximately 95,000 kW. Five transformers (5/38 kV) of 110,000 kVA total capacity.
POLLAPHUCA .... River Liffey)	Hydro	Two Kaplan turbines each rated at 21,000 h.p. coupled to 18,750 kVA generators. Total generating capacity—approximately 30,000 kW at 47 m head. Two transformers (10/110 kV) of 40,000 kVA total capacity.
GOLDEN FALLS .... (River Liffey)	Hydro	One propellor turbine rated at 5,750 h.p. coupled to a 5,000 kVA generator giving an output of approximately 4,000 kW at 17 m head.
LEIXLIP .... (River Liffey)	Hydro	One Kaplan turbine rated at 5,800 h.p. coupled to a 5,000 kVA generator giving an output of approximately 4,000 kW at 17 m head. One transformer (10/38 kV) of 5,400 kVA capacity.
NORTH WALL .... (Dublin)	Steam (Oil-fired)	Steam capacity—490,000 lb per hour. Total generating capacity—approximately 44,500 kW. Three transformers (10/38 kV) of 55,000 kVA total capacity.
PORTARLINGTON (Leix)	Steam (Peat-fired)	Steam capacity—450,000 lb per hour. Total generating capacity—approximately 25,000 kW. Two transformers (10/110 kV) of 40,000 kVA total capacity.
CLIFF .... (River Erne)	Hydro	One Kaplan turbine rated at 14,250 h.p. coupled to a 12,500 kVA generator giving an output of approximately 10,000 kW at 10 m head. One transformer (10/110 kV) of 15,000 kVA capacity.
CATHALEEN'S FALLS (River Erne)	Hydro	Two Kaplan turbines each rated at 31,750 h.p. coupled to 30,000 kVA generators. Generating capacity—approximately 45,000 kW at 28·5 m head. Two transformers (10/110 kV) of 60,000 kVA total capacity. One transformer (110/38kV) of 15,000 kVA capacity. One transformer (10/38kV) of 5,000 kVA capacity.
ALLENWOOD .... (Co. Kildare)	Steam (Peat-fired)	Steam capacity—600,000 lb per hour. Total generating capacity—approximately 40,000 kW. Two transformers (10/110 kV) of 40,000 kVA total capacity.

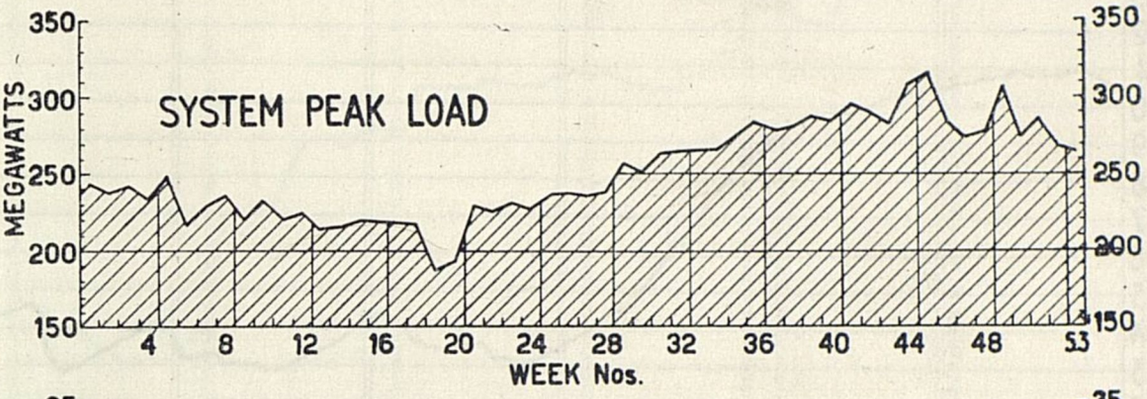
COST OF GENERATION AT INDIVIDUAL STATIONS

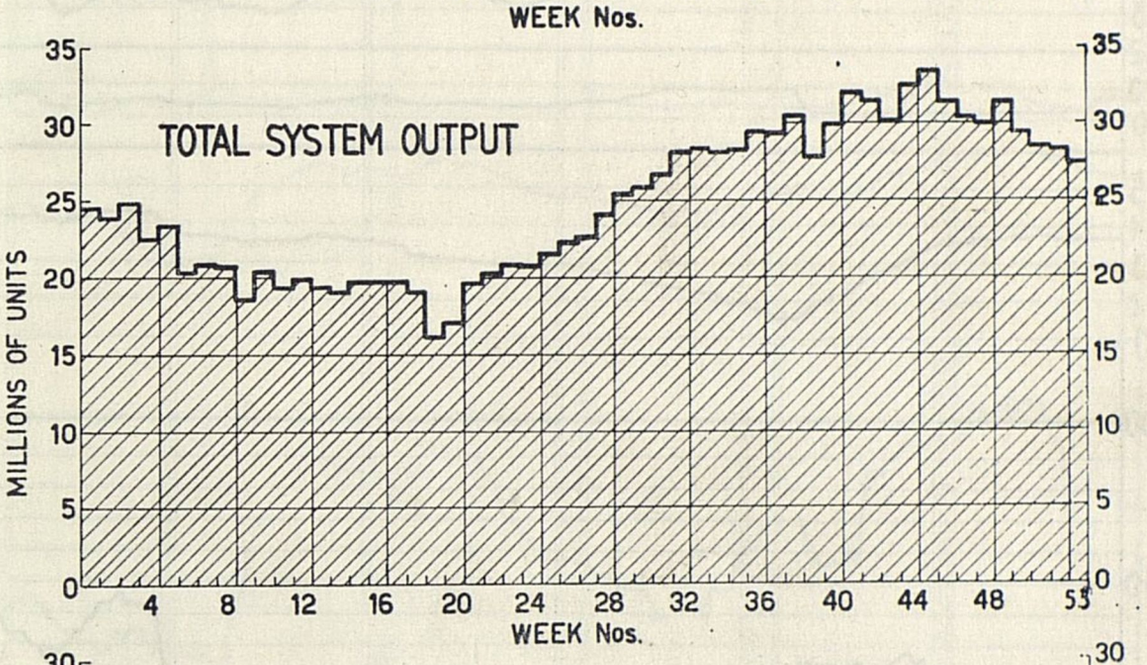
		Year 1953/54	Year 1952/53
RIVER SHANNON HYDRO-ELECTRIC STATION :—			
Units generated	Millions of kWh	281.329	188.734
Units sent out	Millions of kWh	278.269	185.569
Cost of generation per kWh sent out ...	pence	0·344	0.473
RIVER ERNE HYDRO-ELECTRIC STATIONS (two stations) :—			
Units generated	Millions of kWh	218.003	138.367
Units sent out	Millions of kWh	215.049	135.919
Cost of generation per kWh sent out ...	pence	0·381	0.561
RIVER LIFFEY HYDRO-ELECTRIC STATIONS (three stations):—			
Units generated	Millions of kWh	33.312	33.931
Units sent out	Millions of kWh	32.686	33.305
Cost of generation per kWh sent out ...	pence	1·097	1.076
PORTARLINGTON STEAM STATION (sod peat):—			
Units generated	Millions of kWh	150.531	164.770
Units sent out	Millions of kWh	141.992	155.713
Fuel used	... tons	185,500	200,200
Average moisture content	... %	32.2	30.5
Equivalent standard fuel used* ...	... tons	178,600	198,300
,, ,, ,, cost per ton ...		£2 10s. 11d.	£2 12s. 5d.
Cost of fuel per kWh sent out ...	... pence	0.768	0.802
Cost of generation per kWh sent out	... pence	1·119	1.102
ALLENWOOD STEAM STATION (sod peat) :—			
Units generated	Millions of kWh	196.076	160.684
Units sent out	Millions of kWh	183.090	149.780
Fuel used	... tons	239,300	195,400
Average moisture content	... %	34.8	32.5
Equivalent standard fuel used* ...	... tons	219,900	187,500
,, ,, ,, cost per ton ...		£2 17s. 2d.	£2 19s. 7d.
Cost of fuel per kWh sent out ...	... pence	0.824	0.906
Cost of generation per kWh sent out	... pence	1·182	1.244
PIGEON HOUSE STEAM STATION (coal):—			
Units generated	Millions of kWh	282.614	416.911
Units sent out	Millions of kWh	261.436	387.962
Fuel used	... tons	211,400	309,300
Cost per ton fuel	...	£4 9s. 3d.	£5 6s. 11d.
Cost of fuel per kWh sent out ...	... pence	0.866	1.028
Cost of generation per kWh sent out	... pence	1·338	1.327
NORTH WALL STEAM STATION (oil):—			
Units generated	Millions of kWh	130.030	54.105
Units sent out	Millions of kWh	122.143	50.864
Fuel used	... tons	46,300	20,900
Cost per ton fuel	...	£7 5s. 2d.	£8 9s. 4d.
Cost of fuel per kWh sent out ...	... pence	0.661	0.837
Cost of generation per kWh sent out	... pence	0·939	1.236

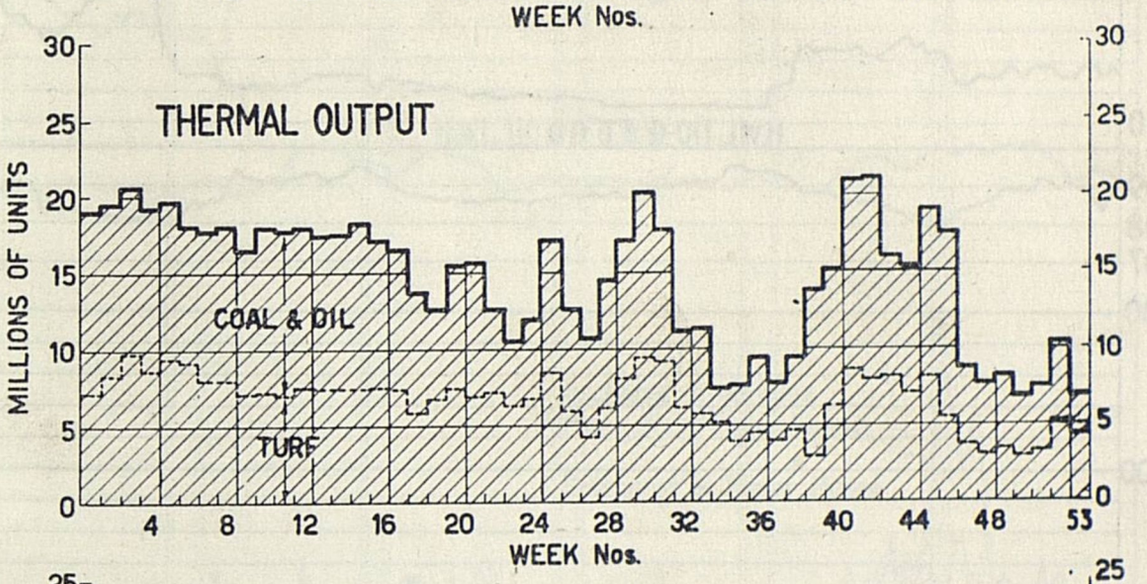
* Standard fuel is sod peat of 30 per cent. moisture, having an average calorific value of 6,500 B.Th.U. per lb.

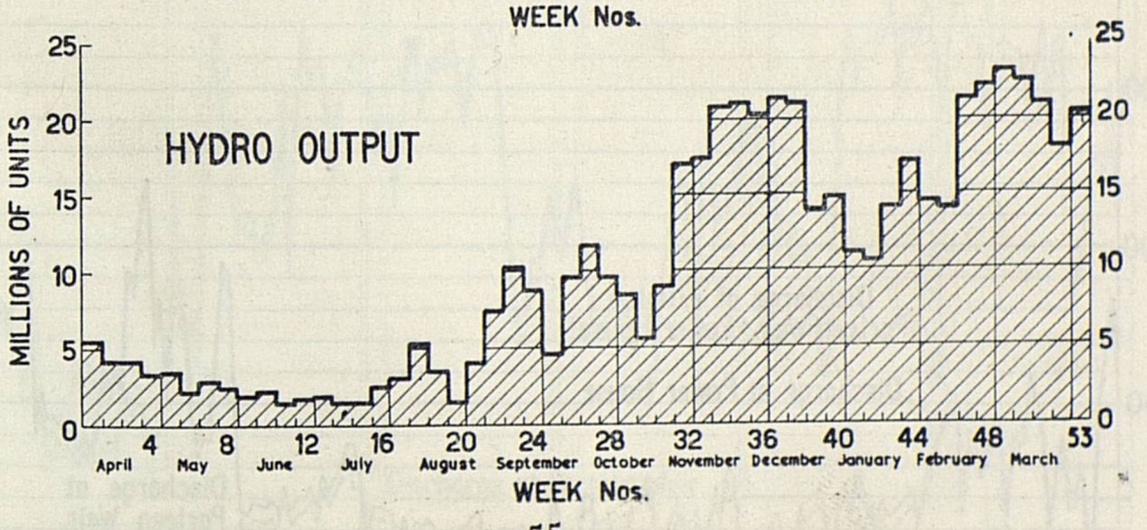
WEEKLY GENERATION

YEAR ENDED 31ST. MARCH 1954

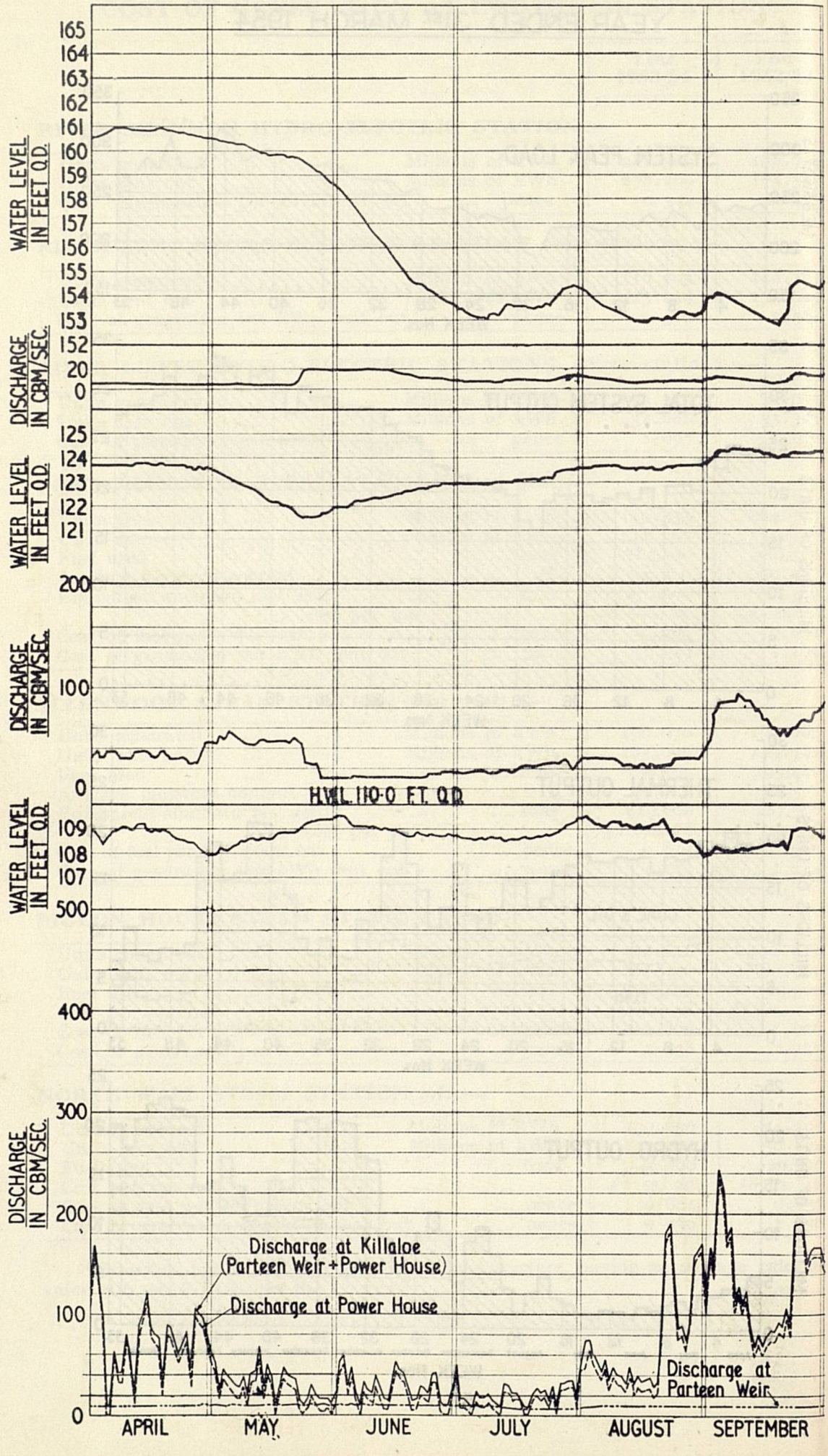




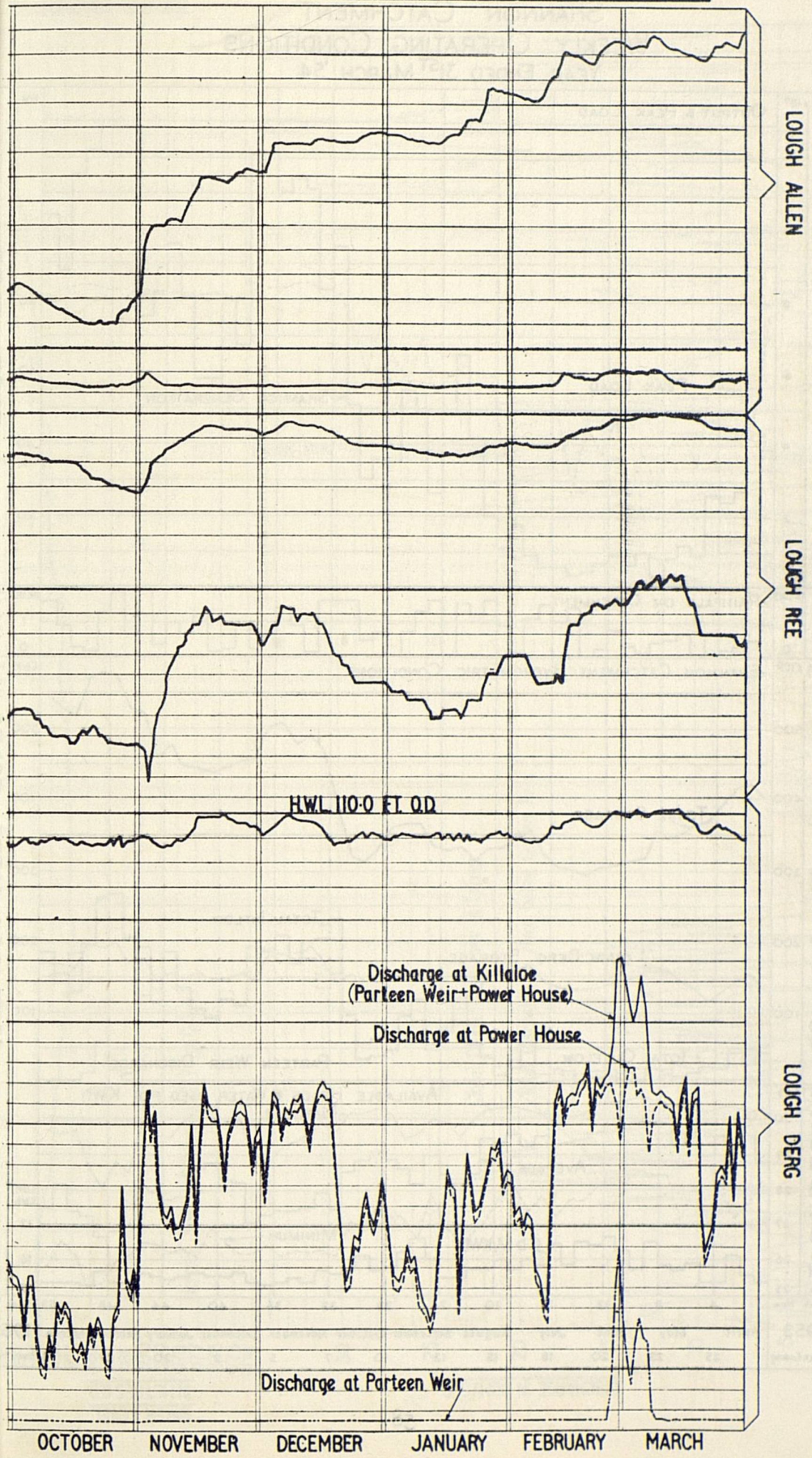




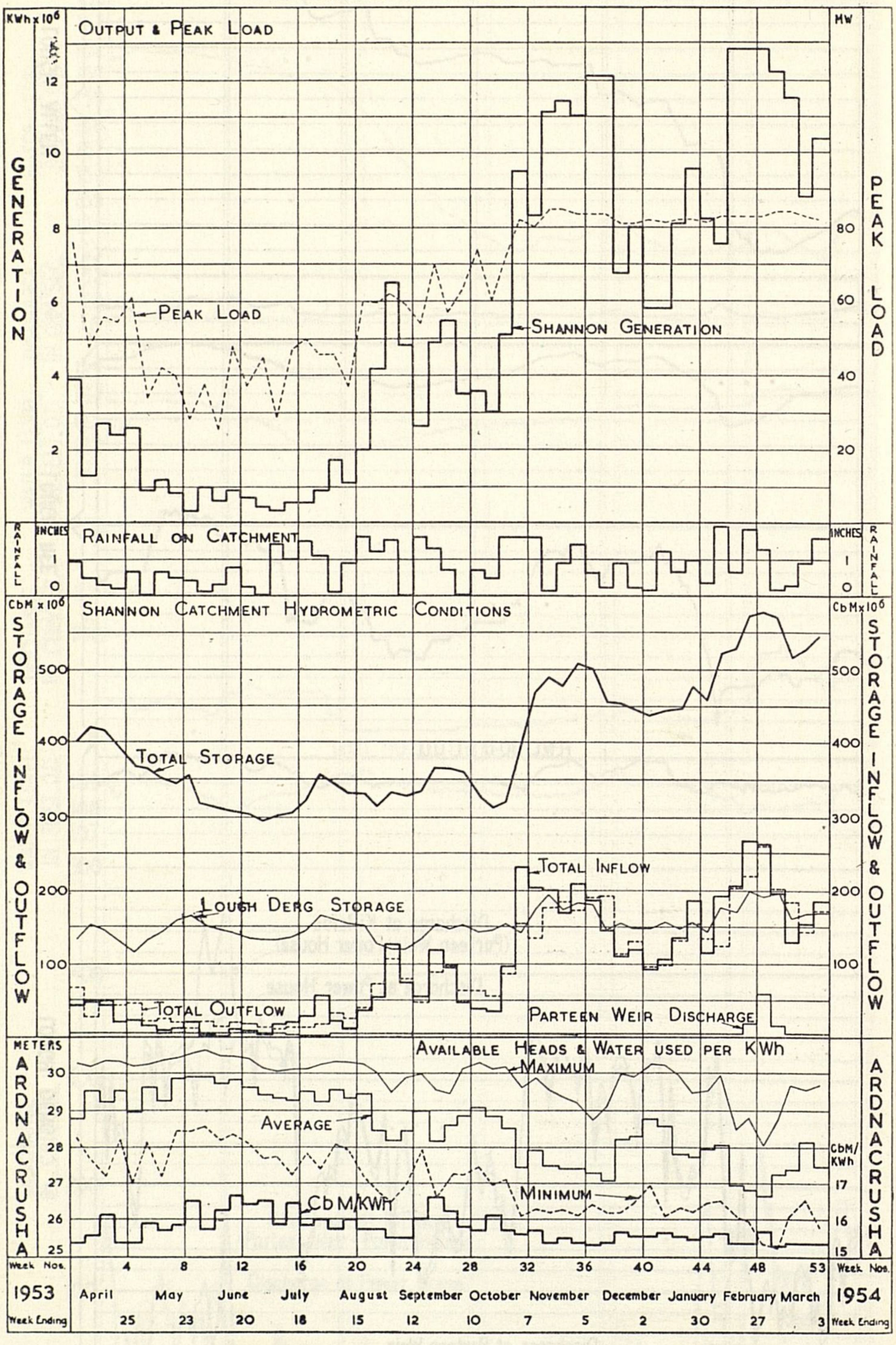
WATER LEVELS & DISCHARGES OF LOUGHS ALLEN.



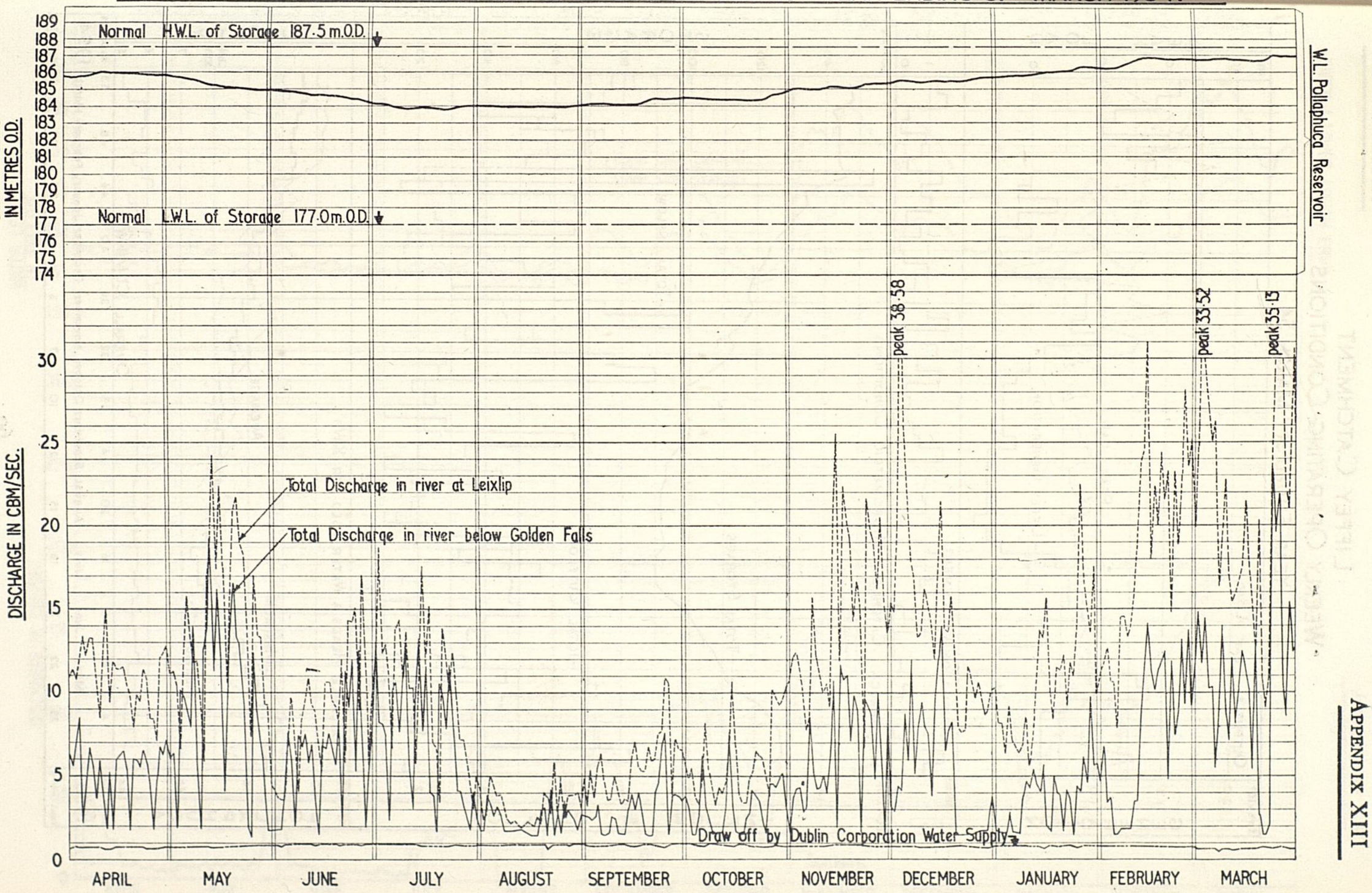
REE & DERG FOR YEAR ENDING 31ST MARCH 1954.



SHANNON CATCHMENT
WEEKLY OPERATING CONDITIONS
YEAR ENDED 31ST MARCH '54

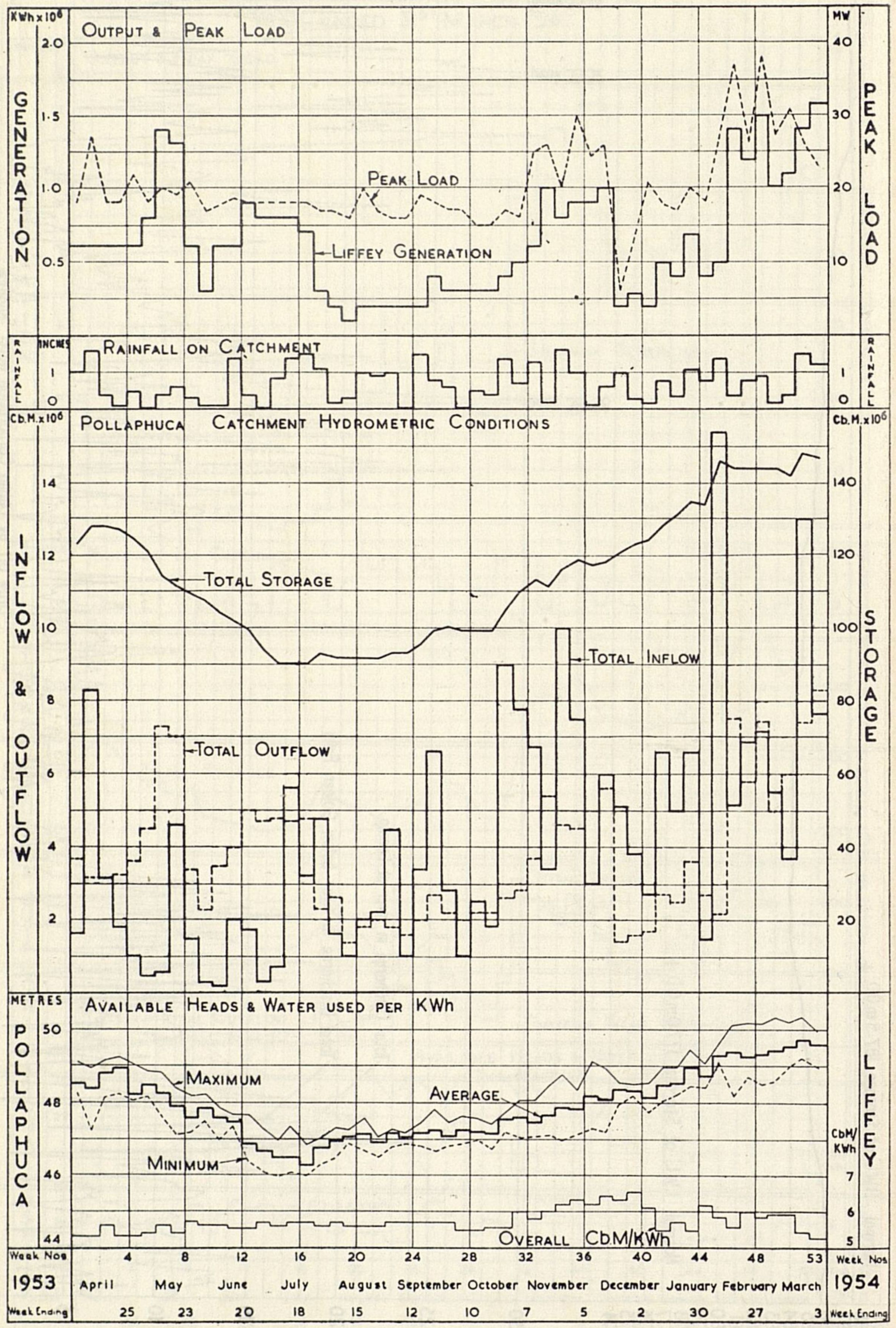


WATER LEVELS & DISCHARGES OF THE RIVER LIFFEY FOR YEAR ENDING 31ST MARCH 1954.

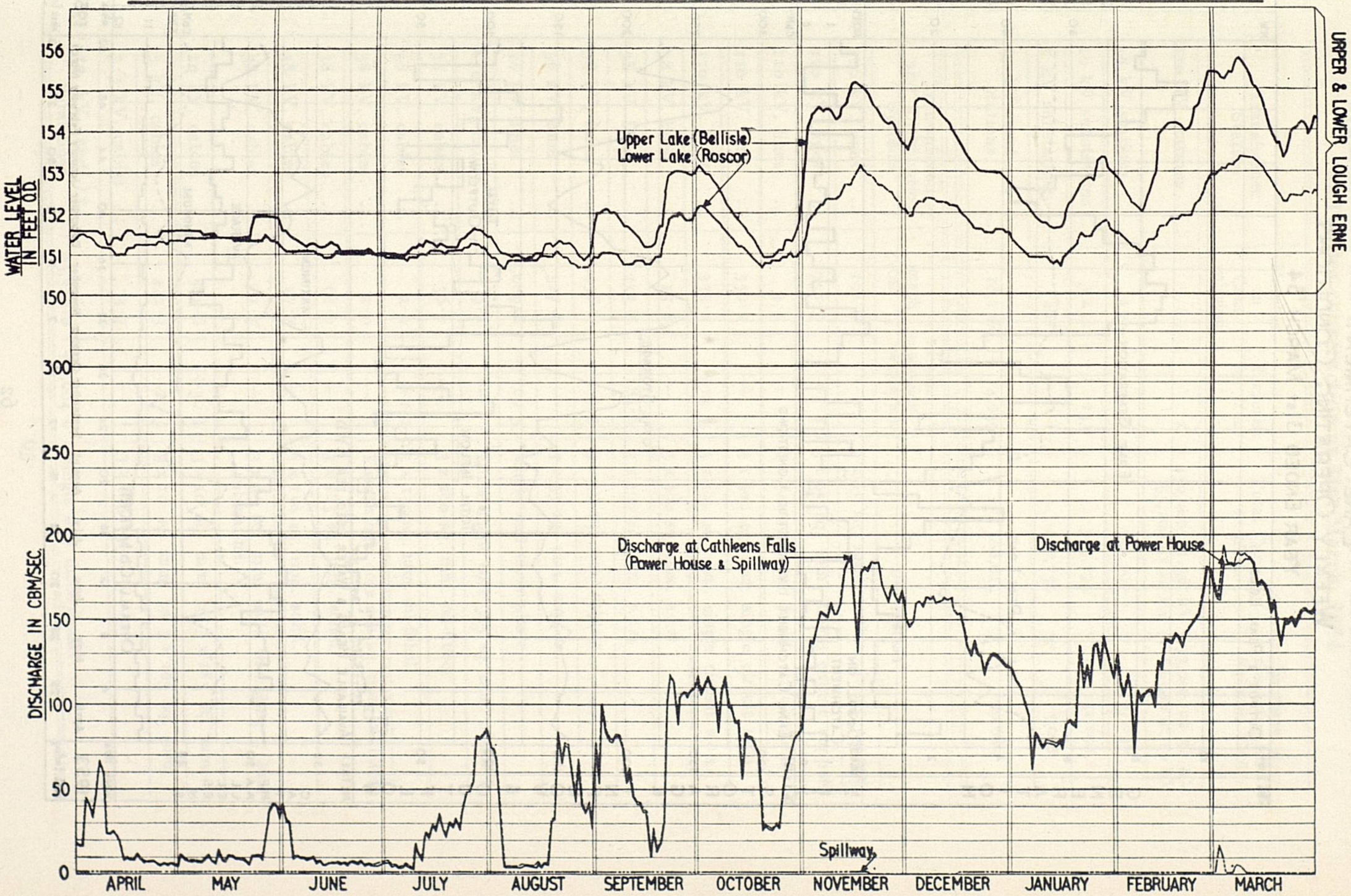


APPENDIX XIII

LIFFEY CATCHMENT
WEEKLY OPERATING CONDITIONS
YEAR ENDED 31ST MARCH '54

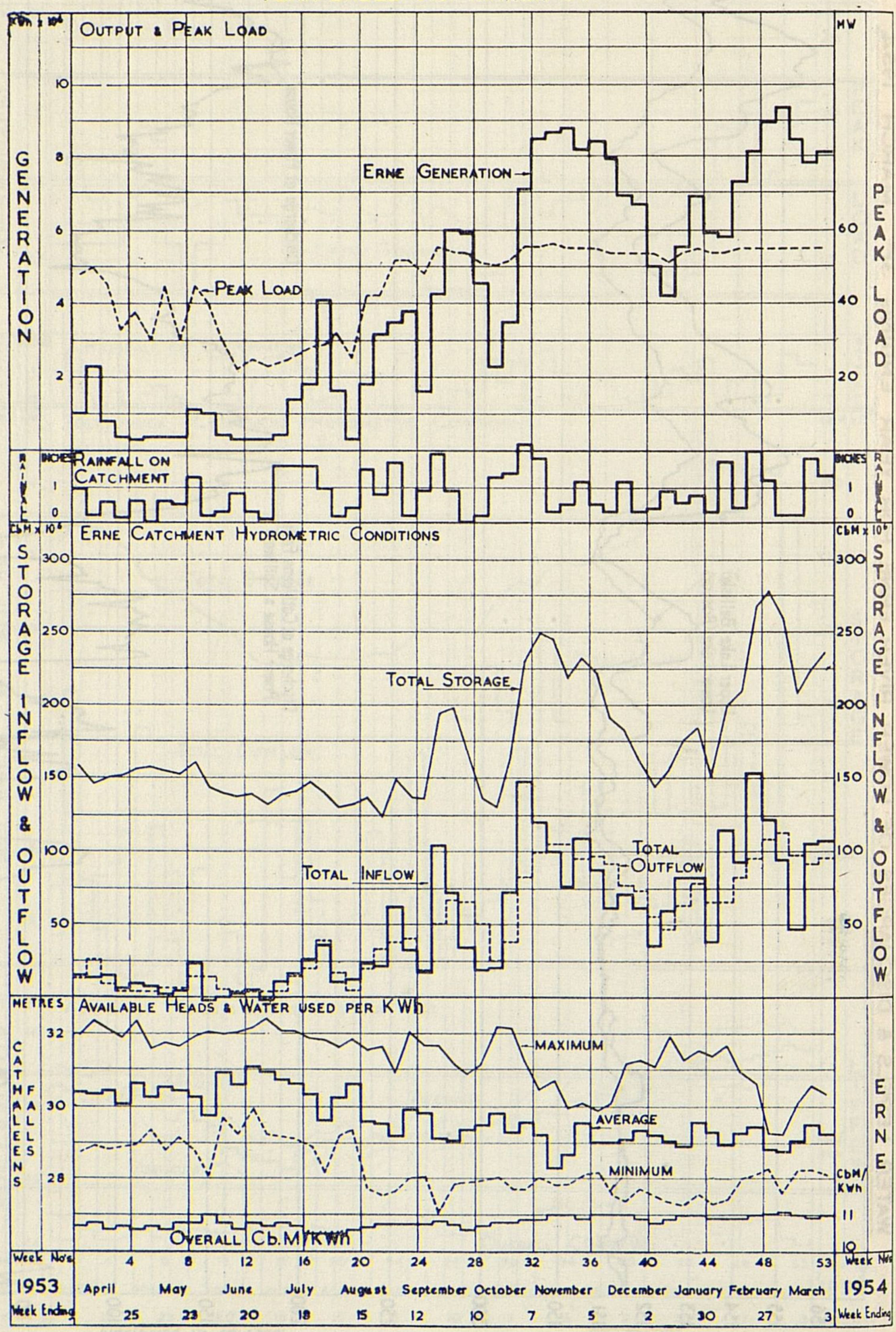


WATER LEVELS & DISCHARGES OF LOWER RIVER ERNE FOR YEAR ENDING 31ST MARCH 1954.



APPENDIX XV

ERNE CATCHMENT
WEEKLY OPERATING CONDITIONS
YEAR ENDED 31st MARCH '54



Transmission and Distribution Systems in Commission and under construction at 31st March, 1954

Transformer Station	Number in Commission	Increase for Year	Total Capacity in kVA	Increase in Capacity for Year in kVA
110 kV stations ...	13	2	450,000 at 38 kV 55,200 at 10 kV	73,000 at 38 kV −12,500 at 10 kV
38 kV stations ...	139	16	542,900	67,890
10 kV substations ...	3,252	233	395,295	32,292
5 kV substations ...	167	1	123,738	3,000
10 kV rural substations ...	18,276	4,939	108,014	29,685

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	—4·4	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 ...	359·2	—	3 x 300 sq. mm. single circuit s.c.a.
110 kV. lines ...	332·2	+74·4	3 x 200 sq. mm. single circuit s.c.a.
38 kV. lines ...	15·6	—	3 x 300 sq. mm. s.c.a.
38 kV. lines ...	213·8	+184·6	3 x 100 sq. mm. s.c.a.
38 kV. lines ...	2,456·8	—5·9	3 x 50 sq. mm. copper.
38 kV. lines ...	327·8	—	3 x 35 sq. mm. copper.
10 kV. lines ...	5,089·8	+169·5	Single and three-phase.
110 kV. cables ...	9·8	—	Three single core 325 sq. mm. oil-filled.
38 kV. cables ...	36·7	—	3 x 260 sq. mm. oil-filled.
38 kV. cables ...	2·0	+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 ...	68·7	—	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. cables ...	582·8	+30·2	3 x 10 sq. mm. to 3 x 185 sq. mm.
5 kV. cables ...	242·3	—25·5	3 x 10 sq. mm. to 3 x 185 sq. mm.
3·3 kV. cables ...	3·7	—	3 x 185 sq. mm.
10 kV. and l.t. rural lines ...	25,326·0	+6,064·0	Single and three-phase.

Permitted Electricity Undertakings at 31st March, 1954

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

(1)	(2)	(3)	(4)	(5)	(6)			(7)
Town	Population (1951)	Name of Undertaker	Type of Generator	No. of Consumers	Normal Tariffs per Unit for			Units Sold, Year ended 31st March, 1954
					Lighting	Heating and Cooking	Power	
Ballysodare, Co. Sligo ...	153	W. G. & T. Pollexfen, Ltd. ...	H	57	7½d.	3d.	3d.	69,666
Belmont, Co. Offaly ...	—	Robert Perry & Co. (1927) ,Ltd. ...	H	29	6d.	6d.	3d.	7,705
Belmullet, Co. Mayo ...	676	M. McEntyre	O	148	1/2	—	9d.	35,657
Boyle, Co. Roscommon ...	1,934	John Stewart	H & O	590	Miscellaneous 3d. to ½d. per unit			536,476 estd.
					4d. to 7d.	1½d. to 2d.	3d.	
Buncrana, Co. Donegal ...	3,039	The Buncrana Electric Supply Co., Ltd.	H & O	620	6d. to 8d.	1½d. to 6d.	1½d. to 3½d.	404,825 estd.
Cahirciveen, Co. Kerry	1,687	The Cahirciveen E. L. & Power Co., Ltd.	O	458	10d.	—	6d.	86,450 estd.
Carndonagh, Co. Donegal	633	Carndonagh Electric Supply Co.	O	237	8d. to 1/–	4d. to 6d.	4d. to 6d.	58,200 estd.
Carrigart, Co. Donegal ...	145	Dermot Walsh	O	27	1/–	—	—	3,947
Clonmany, Co. Donegal	151	Patrick Gallen	O	62	1/–	—	6d.	19,000 estd.
Clonmellon, Co. Westmeath	298	Clonmellon Hydro Electric Co.	H & O	122	1/– to 9/– (per light)	—	3d.	20,000 estd.
Collooney , Co. Sligo ...	364	W. A. G. Middleton, Ltd. ...	H	149	7½d.	1½d. to 2d.	2d. to 2½d.	109,837

(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, 1954
					Lighting	Heating and Cooking	Power	
Drumkeeran, Co. Leitrim	174	The Drumkeeran Electricity Supply Co., Ltd.	O	50	1/4	—	—	5,664
Drumshambo, Co. Leitrim	515	C. S. Laird, Ltd.	H & O	109	8d.	2d.	2d.	51,100
Dromahair, Co. Leitrim	262	Paul Jeiter	H	57	9d.	3d.	3d.	23,981
Dungloe, Co. Donegal	581	The Templecrone Co-op. & Agrl. Society, Ltd.	H & O	181	10d.	3d.	3d.	41,601
Falcarragh, Co. Donegal	215	Leo McGinley	O	81	1/2	—	—	53,874 estd.
Glendalough, Co. Wicklow	—	Messrs. Wynne	H	17	Included in rent			120,000 estd.
Gortahork, Co. Donegal	—	Michael McFadden	O	9	1/2	8d.	—	1,940
Kenmare, Co. Kerry ...	907	Kenmare Electric Supply Co. ...	H & O	277	7d. to 10d.	3d. to 4d.	3d. and 4d.	126,080 estd.
Letterfrack, Co. Donegal	—	The Superior, Industrial School ...	H & O	15	8d.	—	—	1,334
Malin, Co. Donegal ...	100	Matthew O'Doherty	O	59	1/3	6d.	6d.	7,500
Milford, Co. Donegal ...	318	McMahon Bros.	O	52	1/–	—	—	4,500
		William Russell	O	40	1/3	—	—	9,162
Miltownpass, Co. Westmeath.	—	Miltownpass Elec. Light & Power Co., Ltd.	H	20	10d.	—	—	2,181

Appendix XVIII—continued

(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, 1954
					Lighting	Heating and Cooking	Power	
Moville, Co. Donegal ...	969	The Moville Electric Supply Co. ...	H & O	314	9d. & 10d.	—	4d. & 3d.	115,050
Pettigo, Co. Donegal ...	243	Shaw Bros.	O	65	1/–	—	—	7,668
Ramelton, Co. Donegal...	777	Robert J. Campbell (Donegal), Ltd.	O	133	1/–	6d.	9d.	25,433 estd.
Roundwood, Co. Wicklow	170	Joseph Keenan	O	47	1/3	—	—	5,436
Waterville, Co. Kerry ...	223	Waterville Electricity Supply Co., Ltd.	O	112	1/–	7d.	—	25,706
Various Districts ...	—	Great Northern Railway Board	O	50	1.2d. to 1/–	1.2d. to 2d.	1.2d. to 3.3d.	44,490

Total number of undertakings, 33 ; total population, 14,533 ; total number of consumers, 4,187 ; units sold approximately, 2,024,463

Note : Permits have also been issued in three 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, 1954

In the year ended 31st March, 1954, there were twenty-seven meetings of the Tribunal.

Fourteen industrial disputes, as set out hereunder, were determined:

(1) A claim by the Electrical Trades Union (Ireland) that an employee transferred from a former electricity undertaking was entitled to a higher rate of pay. Following the preliminary hearing of evidence the dispute was settled by agreement between the Board and the Union.

(2) An application by the Amalgamated Engineering Union, the Irish Engineering Industrial & Electrical Trade Union and the Irish Engineering and Foundry Union concerning the implementation of an earlier decision of the Tribunal allowing additional remuneration to mechanical fitters. The decision was clarified by the Tribunal.

(3) A claim by the Amalgamated Transport & General Workers' Union and the Electrical Trades Union (Ireland) for the grading of ungraded operators in the Board's Generating, Transmission and Distribution Stations. The claim was rejected. It was subsequently re-submitted in a different form and at the close of the year was under consideration.

(4) A claim by the Irish Seamen's & Port Workers' Union that helpers were essential to the working of forklifts in Central Stores. The Tribunal decided that helpers were not essential but that when the particular nature of the work rendered assistance necessary help should be given to the forklift driver.

(5) A claim by the Ancient Guild of Incorporated Brick & Stonelayers' Trade Union for an increase in the rate of pay of bricklayers. The claim was allowed.

(6) A claim by the National Union of Sheet Metal Workers and Gas Meter Makers of Ireland for payment of a tool allowance to sheet metal workers employed at Rathmines Workshop. The claim was allowed.

(7) A claim by the Amalgamated Transport & General Workers' Union for additional annual leave for full-time meter readers in the Dublin and Dun Laoghaire areas on completion of five years continuous service as meter readers. The claim was allowed.

(8) An application by the Amalgamated Transport & General Workers' Union for a re-hearing of a claim for compensation for loss of earnings by an employee transferred from a former electricity undertaking. The tribunal granted a re-hearing and confirmed its previous decision rejecting the claim.

(9) A claim by the Amalgamated Transport & General Workers' Union that employees engaged on the handling of aluminium conductor should be provided with protective gloves. The Tribunal decided that the Board, when requested, should issue protective gloves to those engaged exclusively on the handling of aluminium conductor.

(10) A claim by the Amalgamated Transport & General Workers' Union that an employee, who had been transferred from a former electricity undertaking, was unjustifiably passed over in the making of a promotional appointment. The claim was rejected.

(11) A claim by the Amalgamated Transport & General Workers' Union that storekeepers and assistant storekeepers in the Polefield Section of Central Stores should be paid the same rates of pay as storekeepers and assistant storekeepers in the Lower Erne Street Section of Central Stores. The claim was rejected.

(12) A claim by the Ancient Guild of Incorporated Brick & Stonelayers' Trade Union for the payment to bricklayers of grade or merit pay. The claim was rejected.

(13) A claim by the Irish Engineering & Foundry Union for an increase in the rate of pay of laggers employed in Portarlington and Allenwood Generating Stations. The claim was rejected.

(14) A claim by the Amalgamated Transport & General Workers' Union, the Workers' Union of Ireland, the Irish Engineering & Foundry Union and the Irish Engineering Industrial & Electrical Trade Union for increased wages for semi-skilled workers at North Wall Generating Station. Increased pay was allowed in certain categories.

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

Tribunal Membership :

Under the provisions of Section 9 (3) of the Electricity Supply Board (Superannuation) Act, 1942, the five years term of office of the members of the Tribunal expired on the 30th August, 1953. In pursuance of the Electricity Supply Board (Appointment of Member of Tribunal) Regulations 1943 and 1947 Mr. Gilbert Lynch, 164, Crumlin Road, Dublin, National Organiser, Amalgamated Transport & General Workers' Union, was duly elected an ordinary member of the Tribunal. Mr. R. F. Browne, Chairman of the Electricity Supply Board, was appointed by the Board to be the other ordinary member of the Tribunal. On the nomination of the ordinary members, Mr. John J. O'Leary, Chairman and Managing Director, Messrs. Cahill & Company, Limited, was appointed Chairman of the Tribunal for the term of five years.

To comply with Sub-Sections 4, 5 and 6 of Section 9, Mr. J. M. Fay, member of the Electricity Supply Board, was appointed by the Board to deputise for Mr. Browne. Mr. George Lynch, 7, St. Christopher's Avenue, Montenotte Park, Cork, Electrician, was duly elected by the Manual Workers to deputise for Mr. Gilbert Lynch. On the nomination of the ordinary members the Minister appointed Mr. Martin O'Sullivan, Kilmanaheen, Sutton, Co. Dublin, to act as Chairman of the Tribunal during the temporary absence of Mr. O'Leary.

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

R. F. BROWNE, *Member.*

GILBERT LYNCH, *Member.*

(Signed) POWER FITZGERALD, *Secretary.*
Date : 14th May, 1954.

GENERAL EMPLOYEES' TRIBUNAL

REPORT OF PROCEEDINGS IN THE YEAR ENDED 31st MARCH 1954

In the year ended 31st March, 1954, the Tribunal dealt with four disputes under Section 5 of the Electricity (Supply) (Amendment) Act, 1949. The disputes were as follows :—

(1) A claim by an official that an increment within his salary scale had, without reasonable cause, been withheld. The Tribunal found no evidence of discrimination against the claimant when the granting or withholding of the increment was being considered, and rejected the claim.

(2) Claims for an alteration in the effective date of a cost of living bonus award to the officer personnel staff, and for a minimum increase in the initial salary points. The Tribunal decided that the effective date of the award should remain unaltered but revised the amounts awarded at the first two salary points.

(3) A claim for revision of the rates of motor car allowances. The Tribunal revised the rates.

(4) A claim by an official for a higher grade from a specified date. The Tribunal rejected the claim but recommended the Board to consider some retrospective adjustment in the date of grading.

Two claims which were referred back to the Board for consideration were settled without further hearing and were withdrawn from the Tribunal. Two cases were referred back for further negotiations between the claimants and the Board. Two claims were under consideration at the close of the year.

The Tribunal was not required to consider any dispute under Section 6 of the Electricity (Supply) (Amendment) Act, 1949.

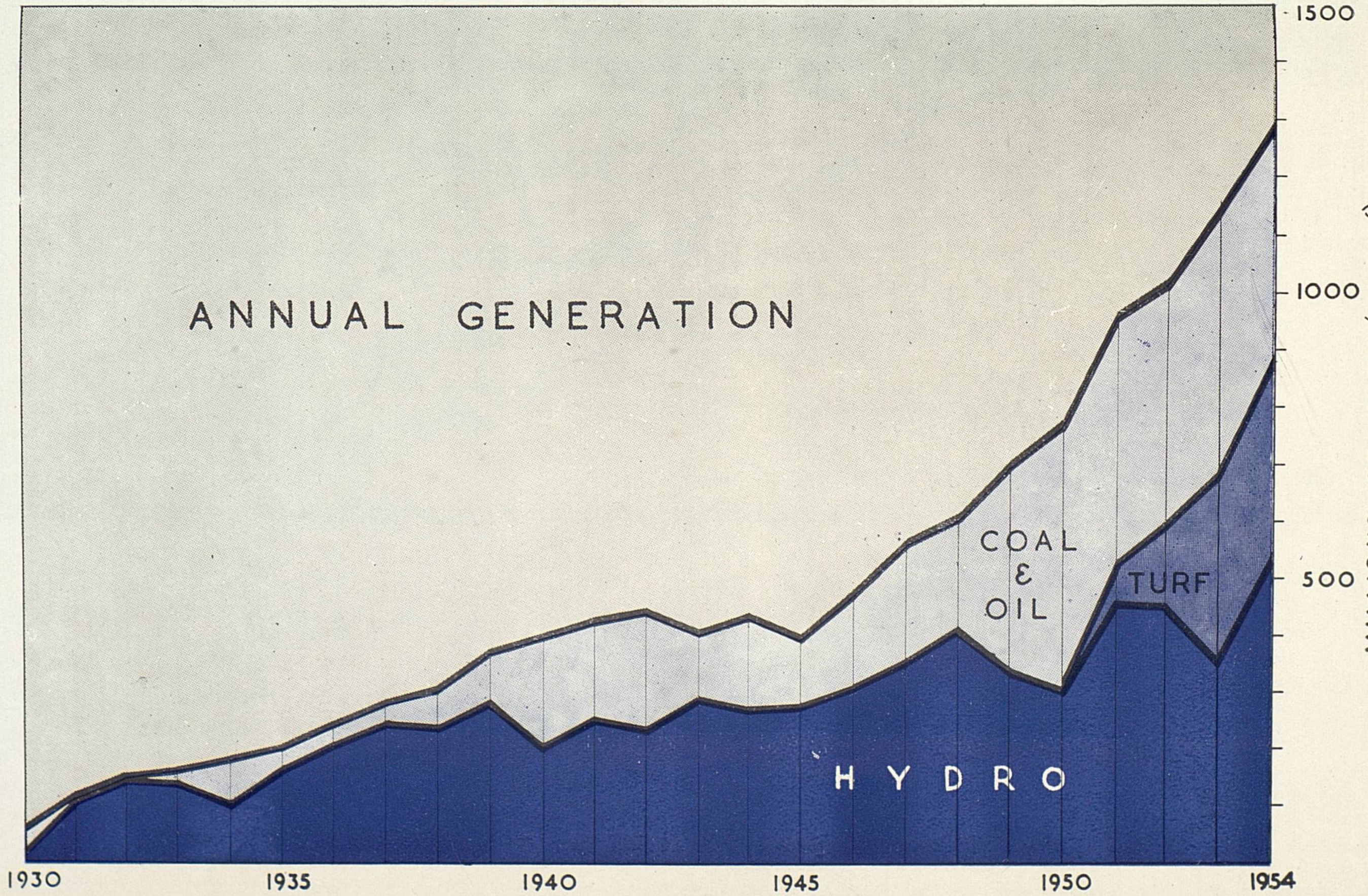
(Signed) J. J. O'LEARY, *Chairman.*

R. F. BROWNE, *Member.*

A. P. DEMPSEY, *Member.*

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

Date : 27th May, 1954.

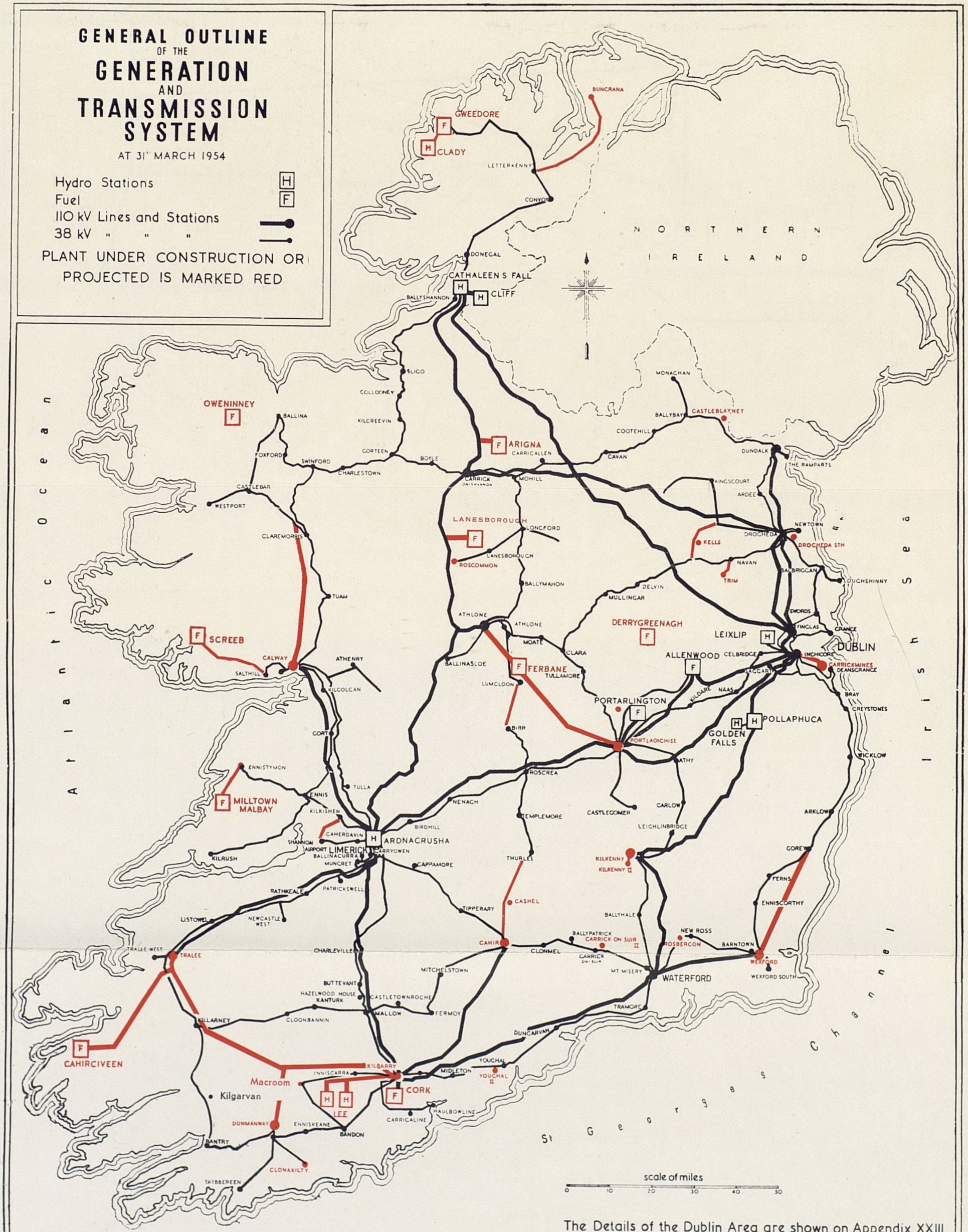

ANNUAL GENERATION
COAL & OIL
TURF
HYDRO
1500
1000
500
MILLIONS OF UNITS (kWh x 10⁶)
1930
1935
1940
1945
1950
1954
YEARS ENDING 31ST MARCH

GENERAL OUTLINE OF THE GENERATION AND TRANSMISSION SYSTEM

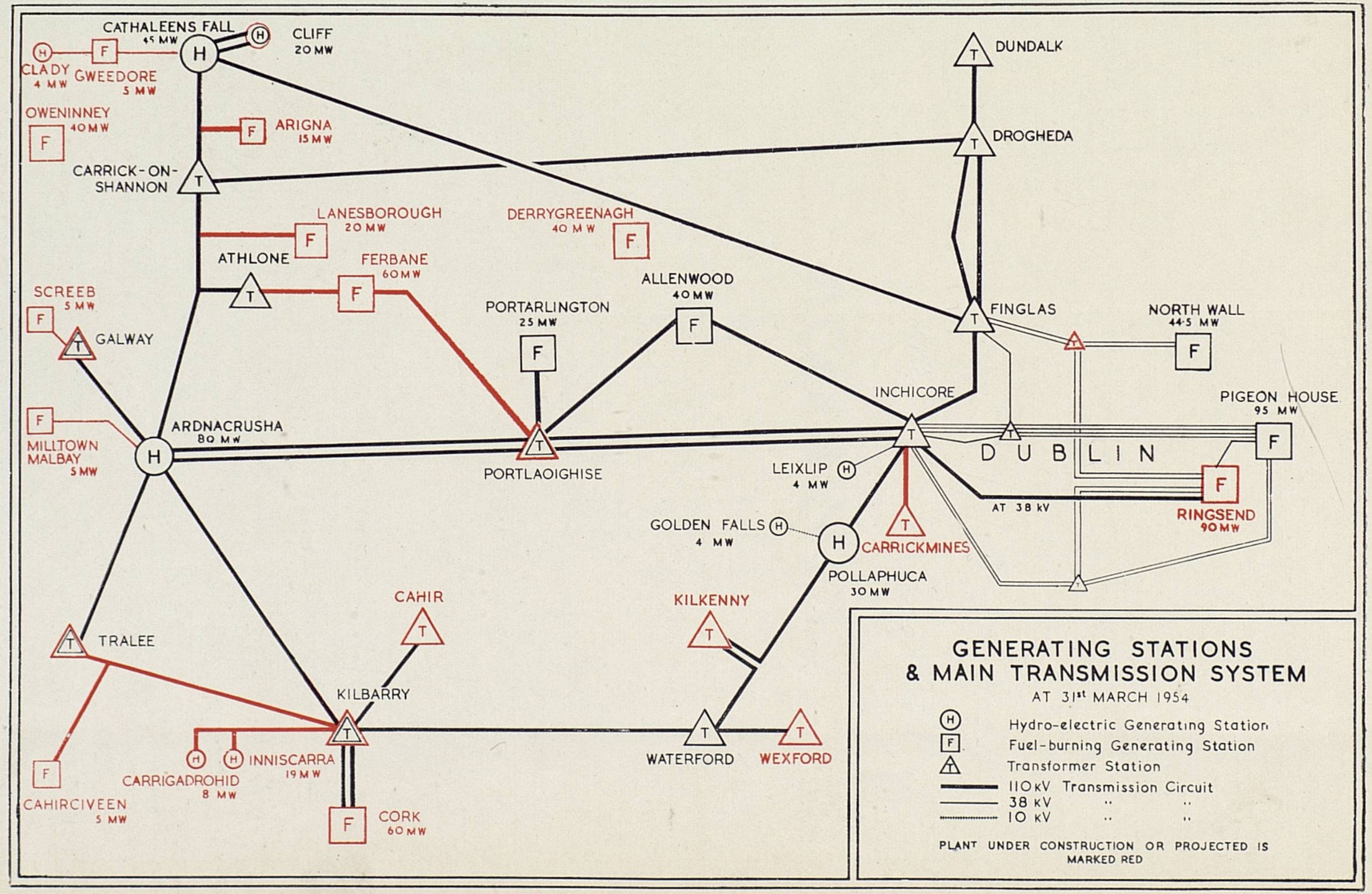
AT 31ST MARCH 1954

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

PLANT UNDER CONSTRUCTION OR PROJECTED IS MARKED RED



The Details of the Dublin Area are shown on Appendix XXIII



GENERATING STATIONS & MAIN TRANSMISSION SYSTEM

AT 31st MARCH 1954

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

PLANT UNDER CONSTRUCTION OR PROJECTED IS MARKED RED

ACCOUNTS

No. 1. **INSTALLATIONS TRADING ACCOUNT FOR**

Dr.

			1952/53
		£	£
To Cost value of work for which credit had not been taken at 31st March, 1953		49,829	67,567
,, Cost of installation work carried out during the year		261,108	253,165
,, Gross profit, carried down		68,002	70,462
		£378,939	£391,194
	£		
To Salaries, wages and State insurance	29,768		
,, Travelling expenses	3,299		
,, Rents and rates	384		
,, Sundry expenses	2,349		
,, General overhead expenses and interest, as apportioned	25,082		
		60,882	53,971
,, Balance, carried to Net Revenue Account		7,120	16,491
		£68,002	£70,462

No. 2.

Dr. **MERCHANDISE TRADING ACCOUNT FOR**

			1952/53
		£	£
To Cost value of transactions for which credit had not been taken at 31st March, 1953		215,383	215,008
,, Cost of goods issued as sales		346,172	309,904
,, Sundry costs in connection with sales		23,284	19,241
,, Gross profit, carried down		76,102	84,862
		£660,941	£629,015
	£		
To Salaries, wages, commission and State insurance	42,628		
,, Travelling expenses	1,693		
,, Rents and rates	1,294		
,, Sundry expenses	4,897		
,, General overhead expenses and interest, as apportioned	23,252		
		73,764	64,392
,, Balance, carried to Net Revenue Account		2,338	20,470
		£76,102	£84,862

THE YEAR ENDED 31st MARCH, 1954.

Cr.

		1952/53
	£	£
By Credit taken for contracts completed and charged	321,030	341,365
,, Cost value of work for which credit has not yet been taken	57,909	49,829
	£378,939	£391,194
By Gross profit, brought down	68,002	70,462
	£68,002	£70,462

THE YEAR ENDED 31st MARCH, 1954.

Cr.

		1952/53
	£	£
By Credit taken for sales	408,615	413,632
,, Cost value of transactions for which credit has not yet been taken	252,326	215,383
	£660,941	£629,015
By Gross profit, brought down	76,102	84,862
	£76,102	£84,862

No. 3. ELECTRICITY PRODUCTION ACCOUNT FOR

Dr.

			1952/53
To Generation :	£	£	£
Pigeon House :			
Fuel	959,603		
Operating expenses	115,973		
Maintenance and repair ...	156,855		
Reserve for depreciation and renewals	113,300		
Interest	64,390		
Capiral repayments	15,895		
Supervision and local administration	52,241		
General administration	82,138		
		1,560,395	2,212,919
North Wall :			
Fuel	340,835		
Operating expenses	33,485		
Maintenance and repair ...	16,282		
Reserve for depreciation and renewals	29,000		
Interest	43,356		
Capital repayments	10,703		
Supervision and local administration	9,202		
General administration	15,081		
		497,944	271,442
Portarlington :			
Fuel	461,167		
Operating expenses	41,559		
Maintenance and repair ...	37,960		
Reserve for depreciation and renewals	55,300		
Interest	49,100		
Capital repayments	12,120		
Supervision and local administration	12,966		
General administration	23,691		
		693,863	734,083
Allenwood :			
Fuel	637,643		
Operating expenses	40,773		
Maintenance and repair ...	36,761		
Reserve for depreciation and renewals	81,100		
Interest	79,753		
Capital repayments	19,687		
Supervision and local administration	16,418		
General administration	23,365		
		935,500	783,260
Cork		—	55,664
Carried forward		£3,687,702	£4,057,368

Cr.

		1952/53
By Amounts transferred as appropriate to :—	£	£
Non-rural Revenue Account	4,780,738	5,139,155
Rural Revenue Account	815,405	607,527
Carried forward	£5,596,143	£5,746,682

No. 3.—*continued.* **ELECTRICITY PRODUCTION ACCOUNT**

Dr.

	£	£	1952/53 £
To Generation—*Brought forward*		3,687,702	4,057,368
Shannon :			
Operating expenses	32,935		
Maintenance and repair ...	66,204		
Reserve for depreciation and renewals	60,300		
Interest	168,105		
Capital repayments	41,497		
Supervision and local administration	31,627		
General administration	29,856		
		430,524	389,931
Erne :			
Operating expenses	16,026		
Maintenance and repair ...	16,280		
Reserve for depreciation and renewals	74,300		
Interest	170,054		
Capital repayments	41,978		
Supervision and local administration	23,265		
General administration	10,436		
		352,339	327,202
Liffey :			
Operating expenses	10,755		
Maintenance and repair ...	22,022		
Reserve for depreciation and renewals	30,700		
Interest	60,552		
Capital repayments	14,948		
Supervision and local administration	11,296		
General administration	9,710		
		159,983	160,122
,, Electricity purchased in bulk and other expenditure attributable to generation		20,365	12,399
,, Transmission :			
Operating expenses	44,665		
Maintenance and repair ...	121,697		
Reserve for depreciation and renewals	237,000		
Interest	287,675		
Capital repayments	71,014		
Supervision and local administration	70,824		
General administration	112,355		
		945,230	799,660
		£5,596,143	£5,746,682

FOR THE YEAR ENDED 31st MARCH, 1954.

Cr.

		1952/53
	£	£
Brought forward	5,596,143	5,746,682
	£5,596,143	£5,746,682

No. 4. **ELECTRICITY (NON-RURAL) REVENUE ACCOUNT**

Dr.

	£	£	1952/53 £
To Electricity Production Account		4,780,738	5,139,155
,, Distribution Charges :			
Operating expenses	382,954		
Maintenance and repair ...	207,076		
Reserve for depreciation and renewals	315,000		
Interest	344,435		
Capital repayments	85,025		
Supervision and local administration	490,636		
		1,825,126	1,718,767
,, General Administration :			
Board, secretariat, and consultants :			
Salaries and wages	100,068		
Travelling expenses	2,968		
Office expenses	13,953		
Engineering :			
Salaries and wages	138,458		
Travelling expenses	7,355		
Office expenses	28,019		
Accounting :			
Salaries and wages	145,206		
Travelling expenses	4,528		
Office expenses	11,056		
Audit fee	2,000		
Sales promotion and publicity :			
Salaries and wages	62,462		
Travelling	1,883		
Office expenses	13,943		
Advertising	18,038		
Maintenance of office buildings and equipment	11,271		
General expenses :			
Insurance	49,402		
Medical benefits	3,926		
Capital charges—general assets...	106,859		
Provision for bad debts ...	10,500		
Depreciation of stocks of material	4,922		
	736,817		
Less : apportionments charged to :			
Production Account	306,632		
Rural Revenue Account ...	54,000		
Capital works and other accounts	49,266		
		326,919	288,361
,, Balance, carried to Profit and Loss Account		178,767	—
		£7,111,550	£7,146,283

FOR THE YEAR ENDED 31st MARCH, 1954.

Cr.

	£	£	1952/53 £
By CHARGES FOR ELECTRICITY:			
General consumers ...	6,815,653		
Public lighting ...	216,374		
Meter and other rents ...	79,523		
		7,111,550	6,626,698
„ BALANCE, carried to Profit and Loss Account		—	519,585
		£7,111,550	£7,146,283

No. 5.

ELECTRICITY (RURAL) REVENUE ACCOUNT

Dr.

	£	£	1952/53 £
To Electricity Production Account... ...		815,405	607,527
,, Distribution Charges :			
Operating expenses	50,210		
Maintenance and repair ...	33,209		
Reserve for depreciation and renewals	204,000		
Interest	142,780		
Capital repayments	28,850		
Supervision and local administration	87,139		
		546,188	388,365
,, General Administration		54,000	36,061
		£1,415,593	£1,031,953

No. 6.

ELECTRICITY PROFIT AND LOSS ACCOUNT

Dr.

	£	£	1952/53 £
To Balances transferred from Revenue Accounts		—	550,195
,, Interest payable to Minister for Finance	1,856,259		
,, Interest on loan of an acquired undertaking	167		
,, Other interest	288,930		
	2,145,356		1,768,731
Deduct apportionments charged to :			
Production Account	922,985		
Non-rural Revenue Account ...	344,435		
Rural Revenue Account ...	142,780		
Administration	64,048		
Installations Account	15,300		
Merchandise Sales Account ...	8,000		
Capital works	647,808	—	(-)1,768,731
,, Reserves, being the amount of capital repaid in respect of :			
Advances from the Minister for Finance	357,050		
Acquired undertaking ...	478		
	357,528		299,397
Deduct apportionments charged to :			
Production Account	227,842		
Non-rural Revenue Account ...	85,025		
Rural Revenue Account ...	28,850		
Administration	15,811	—	(-)299,397
,, Annuity in respect of moiety of advance by the Minister for Finance under the provisions of the Cork Tramways (Employees' Compensation) Act, 1933		1,589	1,589
,, Balance, carried to Net Revenue Account ...		233,209	—
		£234,798	£551,784

FOR THE YEAR ENDED 31st MARCH, 1954.

Cr.

	£	£	1952/53 £
By CHARGES FOR ELECTRICITY:			
General consumers ...	1,387,457		
Public lighting	10,470		
Meter and other rents	7,678		
		1,405,605	1,001,343
,, BALANCE, carried to Profit and Loss Account ...		9,988	30,610
		£1,415,593	£1,031,953

FOR THE YEAR ENDED 31st MARCH, 1954.

Cr.

	£	£	1952/53 £
By Balances transferred from Revenue Accounts:			
Non-rural surplus	178,767		
Rural deficit	9,988		
		168,779	—
,, Miscellaneous revenue		38,265	42,062
,, Interest receivable		27,754	21,509
,, BALANCE, carried to Net Revenue Account ...		—	488,213
		£234,798	£551,784

No. 7.
Dr.

ELECTRICITY NET REVENUE ACCOUNT

		1952/53
	£	£
To Balance transferred from Profit and Loss Account	—	488,213
,, Balance, carried down	242,667	—
	£242,667	£488,213
To Balance, brought down	—	451,252
,, Transfer, consequent on re-allocation of capital costs, of appropriate part of deficiency from Shannon Fisheries Profit and Loss Account	—	86,428
,, Transfer to reserve for renewals, of credits (per contra), as additional provision for the renewal of plant	142,193	129,425
,, Income Tax reserve	—	70,000
,, Contingencies reserve	200,000	—
,, BALANCE, carried down	61,412	18,745
	£403,605	£755,850

FOR THE YEAR ENDED 31st MARCH, 1954.

Cr.

	£	£	1952/53 £
By Balance transferred from Profit and Loss Account		233,209	—
,, Installations trading profit ...	7,120		
,, Merchandise trading profit ...	2,338		
		9,458	36,961
,, Balance, carried down		—	451,252
		£242,667	£488,213
By Balance, brought down		242,667	—
,, Balance, brought forward from last year's account		18,745	1,047
,, Credit taken for unbilled revenue accruing in the month of March not hitherto taken to credit, *less* increase in provision for wages accrued but unpaid at close of year		—	247,480
,, Credits arising consequent on the retirement of assets and the sale of scrapped materials ...		142,193	129,425
,, Contingencies reserve		—	377,898
		£403,605	£755,850
By BALANCE, brought down		£61,412	£18,745

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

Dr.

	Total at 31st March, 1953 less retirements	Expenditure less retirements during year	Total at 31st March, 1954 less retirements
	£	£	£
To Generation	18,934,774	1,817,271	20,752,045
,, Transmission	8,076,336	1,413,148	9,489,484
,, Distribution	15,680,438	3,367,380	19,047,818
,, General	1,538,883	241,611	1,780,494
	£44,230,431	£6,839,410	51,069,841
,, Capital Works in Progress, including payments on account to contractors and others			11,909,672
Total of Fixed Assets, carried to Balance Sheet			£62,979,513

THE YEAR ENDED 31st MARCH, 1954.

Cr.

		Total at 31st March, 1954
	£	£
BY REPAYABLE RECEIPTS:		
Total at 31st March, 1953	41,763,587	
Add: receipts during the year	6,600,000	
	48,363,587	
Less: redemptions during the year .... (*see* Account No. 14)	357,528	48,006,059
BY NON-REPAYABLE RECEIPTS:		
Moiety of advances from the Minister for Finance under the Electricity (Supply) (Amendment) Acts, 1945, Section 41, and 1952, Section 3; as at 31st March, 1953	3,500,000	
Add: Moiety of advances during the year	500,000	
		4,000,000
Contributions from consumers and others for capital works, as at 31st March, 1953	987,618	
Add: net receipts during the year	50,335	1,037,953
BY CAPITAL RESERVES:		
Repaid capital, *less* intangible assets written off		1,523,030
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		11,041,736
Total Capital Reserves (including non-repayable receipts)		17,873,016
TOTAL OF CAPITAL RECEIPTS AND RESERVES carried to BALANCE SHEET		£65,879,075

LIABILITIES AND RESERVES.	£	£	31/3/53
REPAYABLE RECEIPTS, as per CAPITAL ACCOUNT ...		48,006,059	41,763,587
CAPITAL RESERVES, as per CAPITAL ACCOUNT ...		17,873,016	15,655,826
		65,879,075	57,419,413
SUNDRY CREDITORS		3,080,254	3,442,360
LOANS under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
General Employees Superannuation Fund	£ 1,018,900		
Manual Workers Superannuation Fund	594,900		
		1,613,800	1,392,700
RESERVES:	£		
Contingencies reserve	700,000		
Other reserves and provisions ...	150,279		
		850,279	644,210
SURPLUS, as per NET REVENUE ACCOUNT ...		61,412	18,745
		£71,484,820	£62,917,428

AS AT 31st MARCH, 1954.

ASSETS.	£	31/3/53 £
FIXED ASSETS, as per CAPITAL ACCOUNT ...	62,979,513	53,410,076
BOYNE DEVELOPMENT SUSPENSE ACCOUNT ...	61,734	61,734
STOCKS ON HAND AND IN TRANSIT	5,418,788	6,304,099
COST VALUE OF SALES AND INSTALLATIONS WORK FOR WHICH CREDIT HAS NOT BEEN TAKEN ...	351,262	337,149
SUNDRY DEBTORS, after providing for bad and doubtful debts and including advances for goods not yet delivered	2,405,274	2,459,180
SHANNON FISHERIES, temporary advances ...	22,613	24,659
CASH IN HAND AND WITH BANKS	245,636	320,531
	£71,484,820	£62,917,428

No. 10. **SHANNON FISHERIES TRADING ACCOUNT**

Dr.

	£	1952/53 £
To Operation, maintenance and repair	9,364	8,782
,, Cost of fish purchased	—	43
,, Losses on transactions in processed fish, etc	—	1,318
,, Fishery rates	4,486	4,029
,, General management and overhead expenses	3,886	4,354
,, Transfer to depreciation and renewals reserve	1,950	1,625
,, Provision for doubtful debt	—	5,747
,, Balance, carried to Profit and Loss Account	4,400	—
	£24,086	£25,898

No. 11.

Dr. **SHANNON FISHERIES PROFIT AND LOSS**

	£	£	1952/53 £
To Balance, brought from Trading Account		—	6,426
,, Interest :—			
Payable to the Minister for Finance	3,507		
Apportioned in respect of temporary advances from electricity funds	1,295		
Other interest	286		
		5,088	4,677
,, Reserve, being amount of capital repaid in respect of advances from Minister for Finance		726	691
		£5,814	£11,794
To Balance, brought down		1,414	11,794
,, Balance, brought forward from last year's account		30,661	18,867
,, Transfer to reserve for renewals, of credits (per contra), as additional provision for the renewal of plant		90	—
		£32,165	£30,661
To Balance, brought down		£32,075	£30,661

FOR THE YEAR ENDED 31st MARCH, 1954.

Cr.

	£	1952/53 £
By Sales of fish, letting of fishing rights and miscellaneous income	24,086	19,472
,, Balance, carried to Profit and Loss Account	—	6,426
	£24,086	25,898

ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1954. *Cr.*

	£	1952/53 £
By Balance, brought from Trading Account	4,400	—
,, Balance, carried down	1,414	11,794
	£5,814	£11,794
By Credits arising consequent on the retirement of assets and the sale of scrapped materials	90	—
,, Balance, carried down	32,075	30,661
	£32,165	£30,661

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

Dr.

	Total at 31st March, 1953 less retirements	Expenditure less retirements during year	Total at 31st March, 1954 less retirements
	£	£	£
To Fishery rights and fisheries	9,828	—	9,828
,, Works to preserve fisheries	33,956	—	33,956
,, Other capital expenditure	33,398	(—) 37	33,361
	£77,182	(—)£37	77,145
Total of fixed assets, carried to Balance Sheet			£77,145

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

LIABILITIES AND RESERVES		31/3/53
	£	£
Repayable receipts, as per Capital Account	70,973	71,699
Capital reserves, as per Capital Account	18,902	15,887
	89,875	87,586
Electricity funds, temporary advances	22,613	24,659
Sundry creditors	480	150
	£112,968	£112,395

FOR THE YEAR ENDED 31st MARCH, 1954.

Cr.

		Total at 31st March, 1954
	£	£
By Repayable receipts (*see* Account No. 14)		70,973
,, Capital reserves :		
Repaid capital, *less* intangible assets written off	5,617	
Provisions for depreciation, renewal and retirement of physical assets, together with proceeds of sale of assets, *less* physical assets retired	13,285	
Total capital reserves		18,902
Total of repayable receipts and capital reserves, carried to Balance Sheet		£89,875

AS AT 31st MARCH, 1954.

ASSETS		31/3/53
	£	£
Fixed assets, as per Capital Account	77,145	77,182
Stock of material	3,067	3,431
Sundry debtors	656	917
Cash in hand and with bank	25	204
Deficiency, as per Profit and Loss Account	32,075	30,661
	£112,968	£112,395

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 1952, the Shannon Fisheries Act, 1935, and the Liffey Reservoir Act, 1936	41,957,882
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, 1954.

Total Receipts to 31st March, 1954	Redeemed			Balance of Capital Receipts Outstanding at 31st March, 1954
	Total to 31st March, 1953	During year to 31st March, 1954	Total to 31st March, 1954	
£	£	£	£	£
740,955	737,614	478	738,092	2,863
15,066	15,066	—	15,066	—
50,047,636	1,687,390	357,050	2,044,440	48,003,196
£50,803,657	£2,440,070	£357,528	£2,797,598	£48,006,059
77,000	5,301	726	6,027	70,973
£50,880,657	£2,445,371	£358,254	£2,803,625	£48,077,632

LIABILITIES AND RESERVES	£	£	31/3/53 £
REPAYABLE RECEIPTS:			
per ELECTRICITY CAPITAL ACCOUNT	48,006,059		
per SHANNON FISHERIES CAPITAL ACCOUNT	70,973		
		48,077,032	41,835,286
CAPITAL RESERVES:			
per ELECTRICITY CAPITAL ACCOUNT	17,873,016		
per SHANNON FISHERIES CAPITAL ACCOUNT	18,902		
		17,891,918	15,671,713
		65,968,950	57,506,999
SUNDRY CREDITORS		3,080,734	3,442,510
LOANS under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
General Employees Superannuation Fund	1,018,900		
Manual Workers Superannuation Fund	594,900		
		1,613,800	1,392,700
	£		
RESERVES:			
Contingencies reserve	700,000		
Other reserves and provisions ...	150,279		
		850,279	644,210
SURPLUS:			
per ELECTRICITY NET REVENUE ACCOUNT ...		61,412	18,745
		£71,575,175	£63,005,164

R. F. BROWNE, *Chairman.*

PATRICK J. DEMPSEY, *Secretary.*

AS AT 31st MARCH, 1954.

ASSETS	£	£	31/3/53 £
FIXED ASSETS :			
per ELECTRICITY CAPITAL ACCOUNT	62,979,513		
per SHANNON FISHERIES CAPITAL ACCOUNT	77,145		
		63,056,658	53,487,258
BOYNE DEVELOPMENT SUSPENSE ACCOUNT ...		61,734	61,734
STOCKS ON HAND AND IN TRANSIT		5,421,855	6,307,530
COST VALUE OF SALES AND INSTALLATIONS WORK FOR WHICH CREDIT HAS NOT BEEN TAKEN ...		351,262	337,149
SUNDRY DEBTORS, after providing for bad and doubtful debts and including advances for goods not yet delivered		2,405,930	2,460,097
CASH IN HAND AND WITH BANKS		245,661	320,735
DEFICIENCY :			
per SHANNON FISHERIES PROFIT AND LOSS ACCOUNT		32,075	30,661
		£71,575,175	£63,005,164

JOSEPH FOGARTY, *Chief Accountant.*

AUDITORS' REPORT

As Auditors appointed by the Minister for Industry and Commerce, with the consent of the Minister for Finance, we have examined the foregoing Accounts and Balance Sheet. We certify, subject to the undermentioned qualifications, that the Balance Sheet as at the 31st March, 1954, 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 Installations Trading Account, the Merchandise Trading Account, the Electricity Production Account, the Electricity (Rural) Revenue 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.

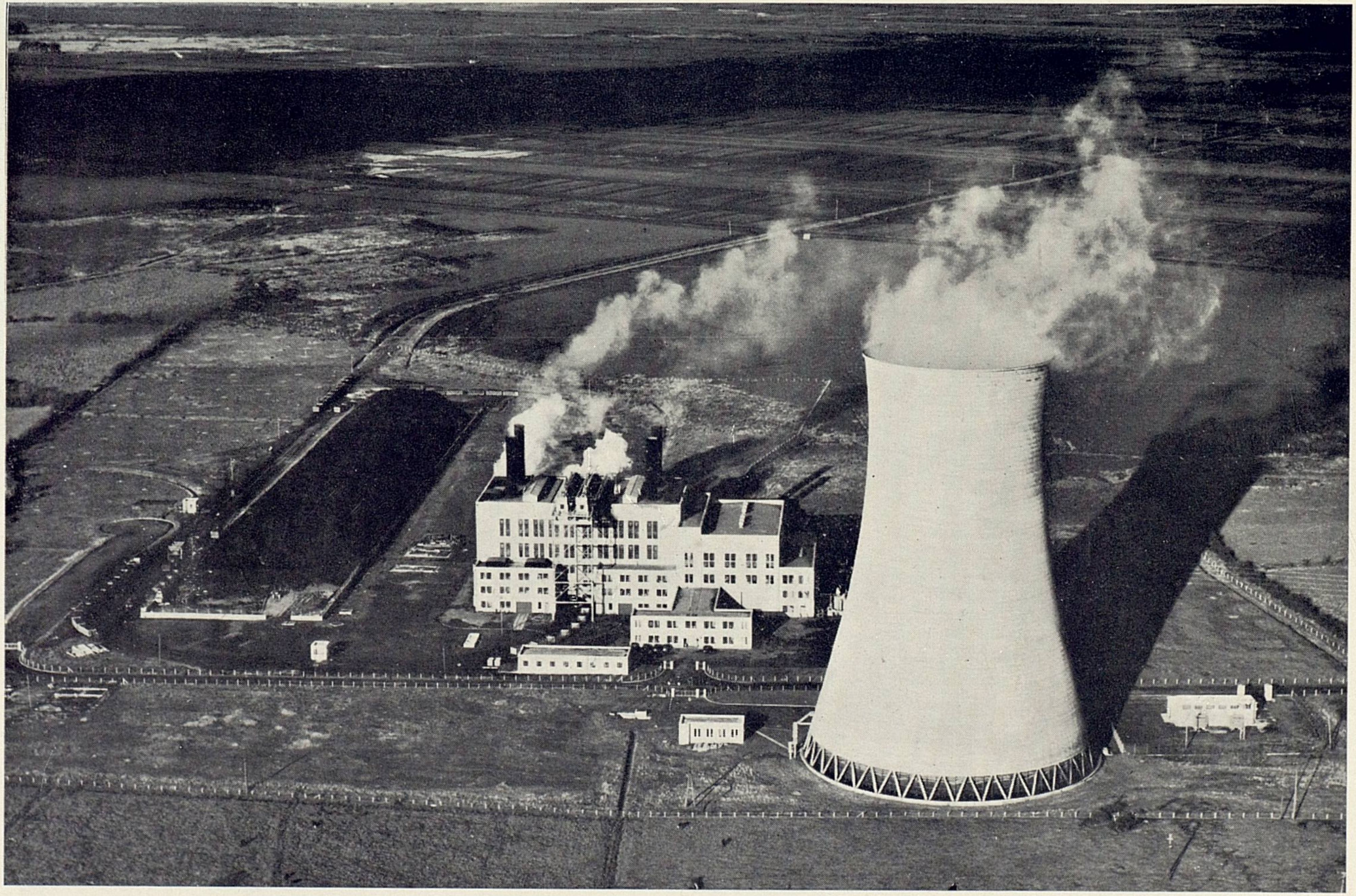
(*c*) Credit has been given to Merchandise Trading Account for a sum representing a proportion of the expenses regarded as relating to the sale of Electricity, and this has been charged to Electricity (non-Rural) Revenue Account and Electricity (Rural) Revenue Account.

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.

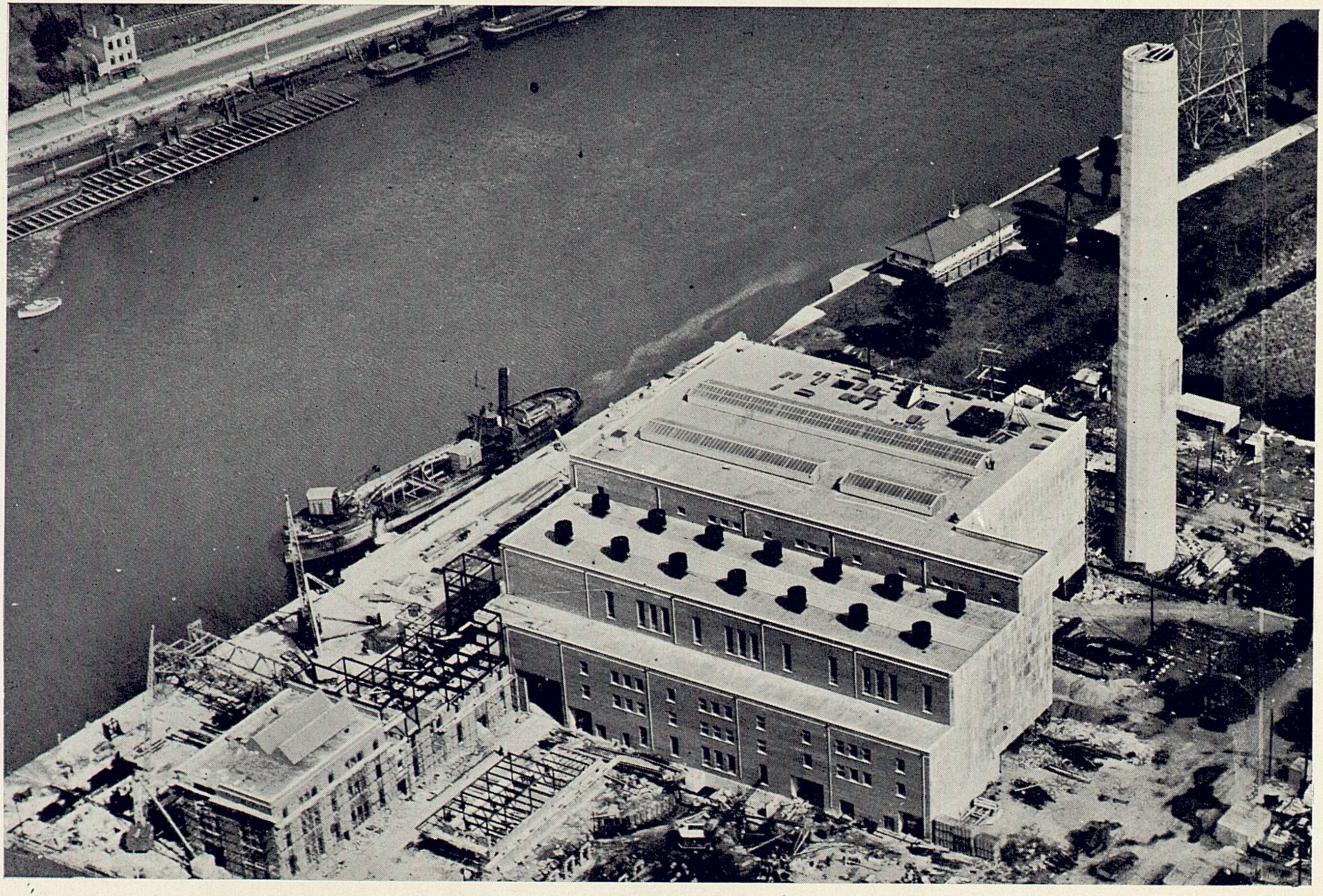
The value of certain intangible assets as classified by the Board's officials has been written off out of the amounts at credit of Capital Reserves with the approval of the Board.

KENNEDY, CROWLEY & CO.,
Auditors.

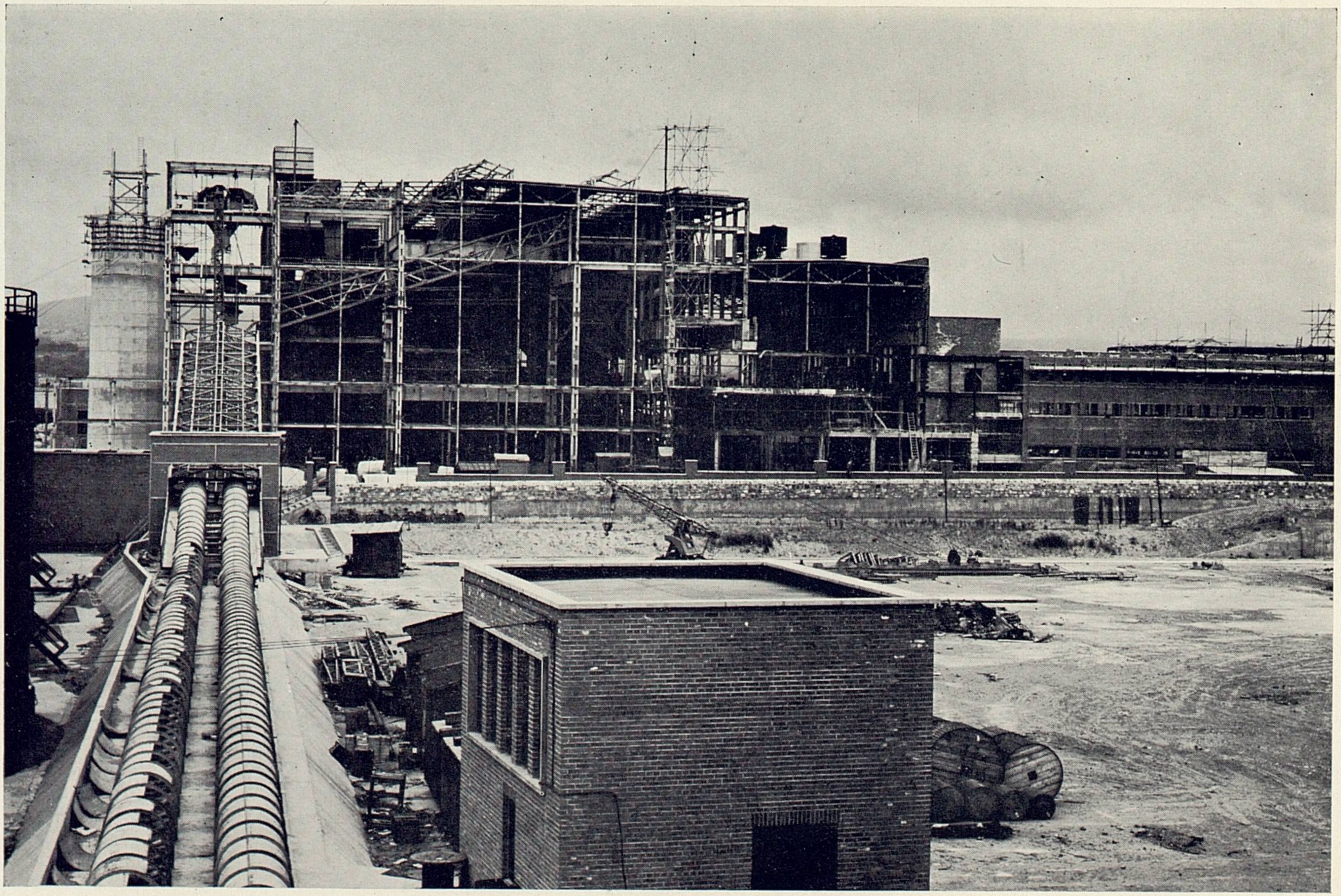
4 AND 5 WESTMORELAND STREET,
DUBLIN, 20*th July*, 1954.



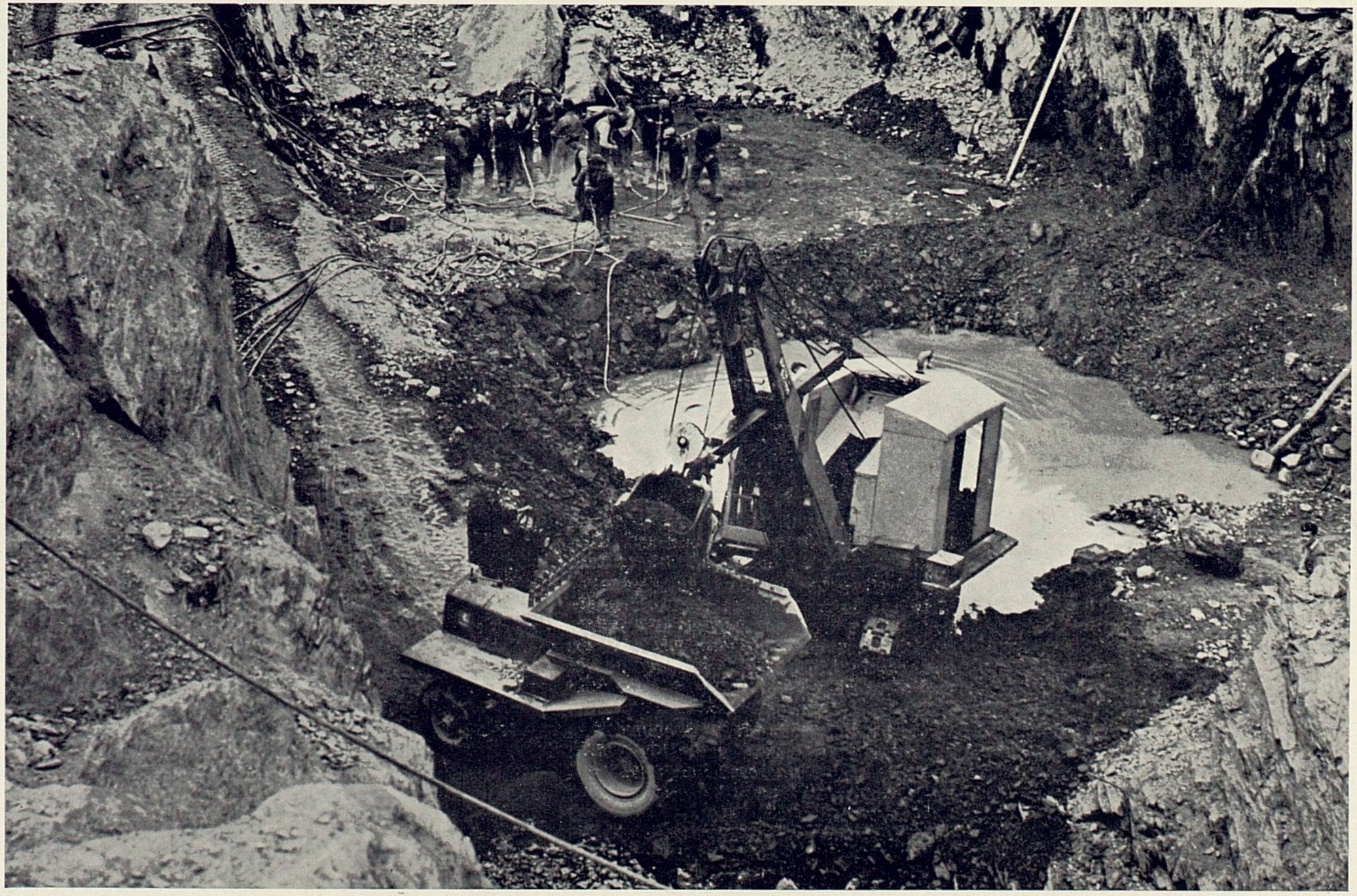
AERIAL VIEW OF THE PEAT-FIRED GENERATING STATION AT ALLENWOOD, CO. KILDARE.



THE CORK (MARINA) GENERATING STATION NEARING COMPLETION.



THE RINGSEND GENERATING STATION, DUBLIN, UNDER CONSTRUCTION.



EXCAVATION WORK ON SITE OF DAM FOR THE HYDRO STATION AT INISHCARRA, RIVER LEE.

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