THIRTIETH

ANNUAL REPORT

OF THE

ELECTRICITY SUPPLY BOARD

IRELAND

FOR THE YEAR ENDED MARCH 31st

1957

INCLUDING REPORT ON FISHERIES

(Pr. 4146)

PRICE ONE SHILLING

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

ELECTRICITY SUPPLY BOARD

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27, LOWER FITZWILLIAM STREET, DUBLIN, IRELAND

ELECTRICITY SUPPLY BOARD

REPORT AND ACCOUNTS

YEAR ENDED 31st MARCH, 1957

(Including Report on the Fisheries)

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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, 1957.

The difficult economic conditions which obtained throughout the year retarded the growth in the consumption of electricity. In the last quarter the industrial demand was no greater than in the corresponding period of the preceding year.

The total number of units generated was 1,644 millions as against 1,570 millions, an increase of 4·7% as compared with 7·6% in the previous year. The rainfall was above average and 689 million units were generated at the hydro-electric stations as compared with 590 million units in a year of average rainfall. This increase in hydro-electric generation represented a saving of approximately £285,000 on fuel compared with a year of average water conditions. The output from peat stations was 318 million units, and from other steam stations 636 million units. The circumstances arising out of the Suez Canal crisis required special precautionary steps to ensure that, if a critical situation continued, adequate fuel supplies would be available.

The period of heavy capital expenditure to overtake arrears accumulated during the war has passed. At the same time, rural electrification has already been extended to about two-thirds of the possible consumers and the end of the work is gradually approaching. In consequence, the financial requirements in the next few years will not be so large as in recent years. Furthermore the reduction in the rate of growth of demand has rendered necessary a review of future capital investment, and it has been possible to defer certain expenditures. The generating plant capacity installed, and in process of installation, is now adequate to meet any foreseeable load in the immediate future.

The summarised revenue and expenditure figures are :—

	Year ended 31st March, 1957. £	Year ended 31st March, 1956. £
Gross Revenue	11,601,754	10,515,368
Working Expenditure on wages, fuel and other materials and overheads	6,211,874	5,964,024
Working surplus	£5,389,880	£4,551,344
This surplus is subject to the following capital charges :—		
Provision for plant renewal ...	2,012,000	1,741,000
Interest	2,739,034	2,187,121
Capital Redemption	636,955	438,700
Leaving as a result of the year's operations a surplus of ...	£1,891	£184,523

The addition of profits on merchandise and installation trading, £48,293, and the balance £121,341 forward from last year, brought the surplus of £1,891 to a total of £171,525. Part of this has been applied in writing off costs which had been incurred in respect of the Rivers Boyne and Lee. Having credited a small reserve created in 1939, and no longer considered necessary, a balance of £124,851 remains on the Net Revenue Account to be carried forward to next year. The Contingency and the Fuel Equalisation Reserves remain at last year's figures of £1,000,000 and £500,000, respectively.

The high rate of activity experienced in previous years was maintained, and the number of consumers increased by 38,364, of whom 34,627 were from rural areas, to 547,910. The revenue from the sales of electricity amounted to £11,555,089 an increase of £1,090,281 over the previous year. Part of this increase was owing to the revision of the prices for electricity which came into effect for billing periods next following 1st October, 1956. It is desirable to stress that two of the chief factors contributing to the necessity for the increase were the greatly increased capital charges arising out of the rapid rate of capital investment at relatively high costs, and the withdrawal of the subsidy for rural electrification. The loss in the year from rural electrification was £491,645. The average price per unit for electricity sold rose from 1·92d. to 2·05d. and notwithstanding the increases which have taken place the price still remains much below the price-level now obtaining for commodities generally.

Costs other than fuel increased by £1,446,152. Of this increase £750,168 related to interest and capital repayments, and £271,000 to provisions for plant renewal. Fuel costs, having paid the new duty on oil amounting to £135,400, were less by £177,134. Generation from oil continued to be cheaper than from coal or sod peat. From the preliminary results of the Ferbane Generating Station it is expected that milled peat will be cheaper than oil.

CAPITAL

The value of plant brought into commission was £11,415,325, as compared with £11,881,160 in the preceding year. The total investment in assets in productive use at the end of the year was :—

	£
Generation	36,877,859
Transmission	12,237,808
Distribution	30,534,865
Premises, equipment, transport, etc.	2,563,705
	£82,214,237

In addition, expenditure of £10,071,835 was incurred on new capital works still under construction at the end of the year. The total fixed capital investment, therefore, was over £92,000,000.

Capital expenditure included for the rural electrification scheme amounted to £3,665,142. The total investment in the scheme at the end of the year was £20,611,274.

At the 31st March, 1957, the net balance available towards the replacement of wasting assets was £16,957,795. The policy of continuing to make replacement provisions beyond the normal term, as long as plant remains in commission, is being maintained.

BORROWING POWERS

The capital requirements for the year were provided by advances from the Minister for Finance.

The Electricity (Supply) Acts authorised the Board to incur capital expenditure not exceeding £100,000,000 for its general purposes. At the 31st March, 1957, the Board had approved expenditure totalling £92,217,530 of which £63,902,486 represented electricity assets actually in commission at that date, and the balance £28,315,044 represented either work in progress or work authorised.

The amount similarly authorised for rural electrification is £25,000,000. At the 31st March, 1957, the amount approved was £21,338,829, of which £18,311,751 represented assets in commission, and £3,027,078 work in progress or authorised.

NUCLEAR ENERGY

The closest touch is being maintained with all developments affecting the use of nuclear energy for power purposes. The Chief Engineer of the Board is a member of the Atomic Energy Committee established in this country. The Deputy Chief Engineer is a member of the O.E.E.C. Nuclear Energy Steering Committee and attends the meetings of this body in Paris.

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-eight years are shown in the following table :—

Year ended 31st March	Units generated (and purchased) millions	Units sold millions	Revenue from sales of energy thousands	Average price in pence per unit sold	Total consumers
			£		
1930 ...	60·948	43·177	478	2·66	48,606
1931 ...	119·843	85·500	735	2·06	69,045
1932 ...	151·844	110·677	939	2·04	78,511
1933 ...	166·076	120·099	1,044	2·09	83,052
1934 ...	185·383	138·503	1,150	1·99	91,267
1935 ...	206·106	156·964	1,258	1·92	103,037
1936 ...	244·099	187·016	1,430	1·84	116,704
1937 ...	284·118	218·758	1,584	1·74	130,483
1938 ...	314·477	244·460	1,725	1·69	145,230
1939 ...	377·637	295·259	1,901	1·54	160,382
1940 ...	406·999	318·552	1,946	1·47	172,545
1941 ...	435·864	345·231	2,072	1·44	183,747
1942 ...	450·412	357·252	2,183	1·47	200,419
1943 ...	414·363	328·052	2,224	1·63	210,475
1944 ...	442·893	346·938	2,426	1·68	222,013
1945 ...	406·273	319·010	2,458	1·85	228,008
1946 ...	483·626	379·094	3,062	1·94	237,136
1947 ...	571·876	453·655	3,589	1·90	248,030
1948 ...	619·966	492·149	3,863	1·88	262,598
1949 ...	710·215	569·257	4,344	1·83	284,198
1950 ...	784·776	626·174	4,774	1·83	310,639
1951 ...	972·951	770·377	5,584	1·74	343,376
1952 ...	1,032·697	835·326	6,531	1·88	372,743
1953 ...	1,163·616	929·641	7,628	1·97	402,395
1954 ...	1,295·520	1,051·746	8,517	1·94	435,985
1955 ...	1,461·736	1,192·172	9,522	1·92	461,901
1956 ...	1,573·150	1,306·642	10,465	1·92	509,546
1957 ...	1,647·713	1,352·642	11,555	2·05	547,910

Appendix 1 gives details of the number of consumers and certain other particulars relating to supply.

ANALYSIS OF UNITS SOLD

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

Class of Supply	Units Sold		Increase	Percentage increase
	Year ended 31st March, 1957 millions	Year ended 31st March, 1956 millions	millions	
Domestic ...	568·013	531·230	36·783	6·9
General Lighting	80·241	77·079	3·162	4·1
General Heating, Cooking and Water Heating, (excluding Night Storage Heating) ...	142·008	139·750	2·258	1·6
Night Storage Heating ...	85·435	85·749	—0·314	—0·4
Motive Power ...	432·512	430·011	2·501	0·6
Public Lighting	30·451	29·227	1·224	4·2
Traction ...	0·261	0·278	—0·017	—6·1
Miscellaneous ...	13·721	13·318	0·403	3·0
Totals ...	1,352·642	1,306·642	46·000	3·5

SALES OF APPLIANCES

The sales of appliances were seriously affected by the import levies and the restrictions on hire purchase and amounted to £615,958 as compared with £865,439 in the preceding year. The rate of gross profit was 17·7%. The Merchandise Trading Account, having been charged with overhead expenses and interest on working capital, showed a profit of £37,075.

CONSUMERS' INSTALLATIONS

The credit taken for contracts completed and invoiced for work carried out amounted to £355,125 as compared with £371,746 for the preceding year. The rate of gross profit was 18·1%. Having debited to the Installations Trading Account overhead expenses and interest on working capital, there was a net profit of £11,218.

ELECTRICITY AND PRODUCTIVITY CONFERENCE

By courtesy of the Royal Dublin Society an Electricity and Productivity Conference, organised by the Board, was held at the Society's premises at Ballsbridge in February, 1957. The object of the Conference was to assist Irish industrialists in keeping pace with the rapid developments and scientific progress in the application of electricity to manufacturing

and other industrial processes. The Board was anxious to create a greater awareness of the fact that, although electricity constituted one of the smallest items in the cost of production, it could influence to a large extent the quality and output of the finished product and make a major contribution to a better standard of living. There were over fifty exhibitors of specialised equipment from Ireland, Great Britain, other European countries and the U.S.A., and a number of lecturers, each a specialist in his own field. At each lecture the chair was taken by a prominent industrialist or trade unionist.

GENERATION

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

Station	Year ended 31st March, 1957			Year ended 31st March, 1956
	Generated million units	Station use million units	Sent out million units	Sent out million units
Ardnacrusha ...	366·943	3·367	363·576	251·260
Cliff ...	80·558	0·730	79·828	54·224
Cathaleen's Fall	194·628	2·182	192·446	145·355
Pollaphuca ...	23·629	0·656	22·973	14·429
Golden Falls ...	8·713	0·110	8·603	5·743
Leixlip ...	14·353	0·176	14·177	8·959
Portarlington	124·273	7·777	116·496	128·111
Allenwood ...	191·283	12·537	178·746	209·722
Ferbane ...	2·462	0·394	2·068	—
Miltown-Malbay	0·668	0·102	0·566	—
Pigeon House	33·640	5·101	28·539	86·080
North Wall ...	91·789	7·282	84·507	161·732
Ringsend ...	267·586	14·850	252·736	132·428
Marina (Cork)	243·274	11·103	232·171	300·035
Purchased ...	3·914	—	3·914	3·044
Totals ...	1,647·713	66·367	1,581·346	1,501·122
Maximum daily generation, million units			6·221	6·201
Maximum load generated in kW			378,000	363,000

The units generated and purchased showed an increase of 74·563 million units or 4·7% over the preceding year. The annual load factor, on the basis of units generated, was 49·6%, as compared with 49·2% in the previous year. The 3,914,000 units purchased include 1,413,000 units from the Electricity Board for Northern Ireland.

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

Generation load duration, and integrated load duration curves ...	Appendix IV
Monthly outputs of the generating stations	Appendix VI
Performance of generating plant ...	Appendix VII
Particulars of the generating plant	Appendix VIII
Typical daily generation load curves	Appendix IX
Weekly operating conditions—	
(a) Shannon Catchment ...	Appendix XI
(b) Erne Catchment	Appendix XIII
Weekly generation and peak loads ...	Appendix XVIII
Annual generation from 1st April, 1930 to 31st March, 1957	Appendix XIX

GENERATING STATIONS

The total installed capacity of the Board's generating stations at the 31st March, 1957, amounted to 567,500 kW, comprising 379,500 kW of steam plant and 188,000 kW of hydro plant. These figures include 95,000 kW of steam plant in Pigeon House, which it is proposed to operate in future as a stand-by station. New stations which will increase the generating capacity by 261,000 kW were under construction or planned as follows :—

	kW	Probable Commissioning Year
Ferbane (peat-fired)	40,000	1957
Hand-won peat-fired stations ...	15,000	1957
Lee (hydro)	27,000	1957
Clady (hydro)	4,000	1958
Arigna (coal-fired)	15,000	1958
Lanesborough (peat-fired) ...	20,000	1958
Rhode (peat-fired)	40,000	1960
Shannonbridge (peat-fired) ...	40,000	After 1960
Bellacorick (peat-fired) ...	60,000	After 1960
Total ...	261,000	

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

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

HYDRO-ELECTRIC STATIONS :

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

The further specified works towards the improvement of the drainage and the power possibilities of the River Erne in connection with the full development of the river which were being carried out under the agreement of 4th September, 1950, between the Minister of Finance for Northern Ireland and the Board were completed. These works included the dredging of the river channel between Belleek and the Lower Lough Erne, the removal of the Belleek sluices and the construction of the new weir at Portora, Enniskillen, for the regulation of the level of Upper Lough Erne.

The control and regulation of the water levels in Upper and Lower Lough Erne in accordance with the terms of the agreement became effective as from 15th June, 1956.

River Lee (Co. Cork) : (Inniscarra : 1—15,000 kW and 1—4,000 kW Set. Carrigadrohid : 1—8,000 kW Set.)

The dams at Inniscarra and at Carrigadrohid were almost completed and both reservoirs were partially filled. The construction of the superstructure of Inniscarra power station was well advanced. The superstructure of Carrigadrohid power station was completed.

Erection of the two generating sets with their associated electrical equipment at Inniscarra, and the erection of the turbine at Carrigadrohid were proceeding.

It is expected that both stations will be in commission before the end of 1957.

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

The construction of the Cung Dam at Dunlewy Lough was almost completed. The first half of the weir at Gweedore was erected and the river was diverted through it. The excavation of the head race canal was finished, and building of the banks was in progress. The penstock supports and the excavation for the power station foundations were completed.

Practically all the mechanical and electrial plant for this station was delivered. It is hoped to have the station in commission in 1958.

STEAM STATIONS :

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

All the civil construction works, including the engine house, boiler house and auxiliary works for the three sets were completed.

The fourth boiler was erected and the third generating set with its associated electrical equipment was commissioned on 20th January, 1957. The station is completed.

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

The buildings for the three sets, including the engine house and boiler house, were nearing completion. The work on the cooling water system, the foundations for the turf handling equipment, the outdoor transformer station and the laying of the railways was almost finished. The internal finish of the buildings and the general clearing of the site were in progress.

The erection of the first boiler and first generating set with its associated transformers and switchgear was completed and the set was placed in commission on the 1st March, 1957.

The erection of the remaining two boilers and generating sets, and the fuel handling plant, was almost completed. These sets are expected to be commissioned before the end of 1957.

Four Hand-won Peat-fired Stations :

Miltown-Malbay (Co. Clare) Screeb (Co. Galway)
Cahirciveen (Co. Kerry) Gweedore (Co. Donegal)
(Each Station : 1—5,000 kW Set.)

The civil construction works at the Miltown-Malbay station were completed. The civil construction works for the stations at Screeb and Cahirciveen were almost finished, and the internal finish of the buildings and the clearing of the sites were in progress. At Gweedore, the civil construction works were nearing completion.

Miltown-Malbay station was commissioned on 1st March, 1957. The remaining three stations are planned for operation in 1957.

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

The foundations for the main buildings and ancillary structures, including the cooling water pump house, were completed. The erection of the structural steelwork of the boiler house was finished, and half the engine room steelwork had been erected. Progress on the erection of the generating plant was satisfactorily maintained.

The station is expected to be ready in 1958.

Lanesborough (Co. Longford) : (1-20,000 kW Set. Sod Peat.)

The civil construction works were almost completed.

Practically all the materials for this station were delivered and erection of the boiler plant was about to commence.

The station is expected to be in operation in 1958.

Rhode (Co. Offaly) : (2—20,000 kW Sets. Milled Peat.)

The contract for the civil construction works was placed in April 1956. The foundations for the station buildings were nearing completion and the erection of the structural steelwork was about to commence. The substructure of the cooling tower up to the start of the shell proper was almost completed, and work was about to commence on the shell itself.

Orders have been placed for the boiler and turbo sets and the station is planned to be in commission in 1960.

Shannonbridge (Co. Offaly) : (2—20,000 kW Sets. Milled peat.)

Work was continued on the preparation of the enquiry documents for the civil works contract.

The boilers and turbo sets were on order from the manufacturers.

Bellacorick (Co. Mayo) : (3—20,000 kW Sets. Milled Peat.)

Work was continued on the preparation of the enquiry documents for the civil works contract.

The boilers and turbo sets were on order from the manufacturers.

MAIN TRANSMISSION SYSTEM

(a) 110 kV Overhead Lines :

The 425 sq. mm. steel-cored aluminium line from Ferbane generating station to Portlaoise was completed and put in service. The line from Ferbane to Athlone, via the site of the proposed generating station at Shannonbridge, was constructed.

The erection of the lines from the River Lee generating stations was well advanced. The route of a line from Carrickmines to Arklow, in connection with the supply to Avoca Copper Mines, was surveyed and erection work started.

The change over of the Ardnacrusha, Inchicore, Portarlington, and Allenwood lines from the old to the new transformer station at Portlaoise, was carried out.

(b) 110 kV Transformer Stations :

The station at Kilkenny, with a 15 MVA transformer, was placed permanently in commission. The new switching station at Portlaoise was completed with the transfer of the two existing 15 MVA transformers from the old station.

Construction work was continued on the station at Carrickmines, and sites were acquired for new stations at Arklow and Limerick.

(c) 38 kV Overhead Lines :

About 43·5 miles of 38 kV lines were erected and approximately 3 miles were retired from service.

(d) 38 kV Transformer Stations :

Eleven stations were completed and put into commission :

Cobh, Co. Cork.
Coolock, Co. Dublin.
Ferns, Co. Wexford.
Glengoole, Co. Tipperary.
Glenties, Co. Donegal.
Kilcolgan, Co. Galway.
Kilflynn, Co. Kerry.
Kilkenny II, Co. Kilkenny.
Loughlinstown, Co. Dublin.
Slane, Co. Meath.
Youghal II, Co. Cork.

Two of these, viz. Ferns and Kilcolgan replaced smaller stations. Ballypatrick station was retired from service. The Portlaoise 38 kV station was incorporated in the 110 kV station.

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 ...	44·29 miles
2.	Low tension overhead mains reconstructed or strengthened	16·97 ,,
3.	Low tension underground mains installed	11·73 ,,
4.	10 kV underground cables—net increase ...	13·11 ,,
5.	10 kV overhead distribution lines (excluding rural lines)—net increase ...	23·04 ,,
6.	38 kV overhead transmission lines—net increase	40·60 ,,
7.	110 kV overhead transmission lines erected	26·00 ,,
8.	Rural lines erected	5,149·00 ,,

One hundred and fourteen 10 kV and four 5 kV transformer stations were completed ; thirteen 10 kV transformer stations were retired from service.

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

RURAL ELECTRIFICATION

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

Period	Poles erected	Miles of line strung	Consumers connected	Areas completed
Year ended 31st March				
1947	1,300	39	Nil	Nil
1948	15,986	721	2,203	7
1949	32,002	1,730	9,262	30
1950	40,972	2,083	13,688	45
1951	42,423	2,232	15,803	49
1952	46,008	2,466	18,067	49
1953	48,059	2,703	18,818	49
1954	68,382	3,769	23,477	60
1955	91,391	4,977	27,316*	75
1956	112,616	6,196	34,257	99
1957	91,794	5,149	34,627	80
Totals to date	590,933	32,065	197,518	543

(*This figure has been adjusted to allow for consumers disconnected prior to 31st March, 1955 and not previously deducted from the annual figures.)

The target of 80 areas for the year was achieved. 748 areas, or 93% of the total, have been canvassed, 586, or 73% selected for development and 543, or 68% completed.

The 543 areas completed cover 14,834 square miles, or an average of 27·3 square miles per area. A further 43 areas are under construction or selected for development, making a total of 586 areas, or 16,332 square miles. The proportion of dwellings connected in the completed areas is approximately 77%.

The total value of materials used was approximately £2,090,000, of which 69%, or £1,442,000, was obtained from home manufacturers. While the price of poles remained steady, there were increases of approximately 3% and 5%

respectively in the other two main items, transformers and aluminium conductor. Most of the materials for construction work were delivered by road, but sixteen cargoes were shipped to areas on the western seaboard.

The consumption of electricity by the rural community has continued to grow with the growth of consumers, being 244 million units as against 208 million units last year. The average consumption per consumer was 1,275 units for the year. This includes all consumers supplied under the Rural Scheme. The figure of average consumption shows a slight decrease on last year, mainly as a result of the large number of new consumers connected whose small consumption tends to offset the increased use of electricity by longer established consumers.

In the Dublin No. 2 District, where the initial area construction programme was completed during 1955, the overall consumption averaged 2,500 units per consumer.

Capital expenditure during the year amounted to £3,665,142 and the total invested in the Scheme to 31st March, 1957 was £20,611,274.

Sales of current amounted to 244,008,279 units, or 17% more than the preceding year. The revenue earned was £2,852,400, which represents a price per unit of 2·80d.

The Farm Electrification Advisory Service continued to be used by farmers and horticulturalists. Sales of equipment fell by 8% on the total value sold in the previous year. The withdrawal of the Department of Agriculture grant for farm water supplies in July 1956 retarded the rate at which water pumps and systems were being installed. The import levies and hire purchase restrictions affected adversely the sales of domestic equipment, notably washing machines, electric kettles and irons.

Full scale demonstrations and displays featuring both farm and domestic uses of electricity were maintained. The major agricultural shows were attended and the programme of lectures and film shows to students of Vocational Schools and Agricultural Colleges was continued. The students in these colleges took a keen interest in the practical demonstrations of the application of electricity to agriculture.

Co-operation was maintained with the Kildare County Committee of Agriculture in connection with pilot farms sponsored by the Committee. One farm is now well equipped electrically and a start has been made with a second.

WATER STORAGE AND RIVER CONTROL

The inflows for the year 1956/57 were above the long term mean in the case of the River Shannon and in or about average in the case of the Rivers Liffey and Erne. The inflows for April, May and June were well below the normal in all cases but the distribution of the flows in the remaining months of the year was generally favourable for power production. The utilisation at the power stations varied between 95% and 100% of the available inflows.

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

The total average inflows were :

	Financial year ended 31st March 1957 cbm/sec.	Calendar Year 1956 cbm/sec.
River Shannon at Killaloe	204·9	165·0
,, Liffey at Pollaphuca	8·7	8·8
,, Liffey at Leixlip ...	15·9	14·9
,, Erne at Ballyshannon	97·9	80·6

WATER POWER INVESTIGATIONS AND HYDROMETRIC SURVEY

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

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

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

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

PREMISES

Progress was maintained in the provision of new and improved office and stores accommodation. The new Head Office building in Dublin fronting on East James' Street was completed.

Housing for the staff of Ferbane generating station was nearing completion ; plans were being prepared for houses at eight other stations.

Five new service depots were built and structural improvements were completed at four other centres. Fifteen further buildings were being reconstructed or planned.

New stores depots were completed at Stillorgan, Co. Dublin and at Athlone. The construction of similar depots at two other centres was under consideration.

PERMITTED UNDERTAKINGS

At the 31st March, 1957, there were twelve electricity undertakings operating under permit from the Board. During the year the Board acquired the following undertakings :—

Belmont, Co. Offaly,
Belmullet, Co. Mayo,
Cahirciveen, Co. Kerry,
Carndonagh, Co. Donegal,
Clonmany, Co. Donegal,
Dungloe, Co. Donegal,
Waterville, Co. Kerry,
Falcarragh, Co. Donegal.

The undertaking at Letterfrack was absorbed in a rural area and one undertaking supplying one consumer ceased supply. No new permits were issued.

Particulars of the permitted undertakings, except where the number of consumers is three or under, are contained in Appendix XV.

SUPERANNUATION SCHEMES

The number of contributing members in the General Employees' Superannuation Scheme at the end of the year was 1,832 and in the Manual Workers' Superannuation Scheme, 2,404.

A total sum of £273,600 has been invested by the Trustees of the Superannuation Funds in loans to the Board under Section 8 of the Electricity Supply Board (Superannuation) Act, 1942. The total amount of Electricity Supply Board 5% stock 1966/1975 held by the Trustees was £2,029,880.

TRIBUNALS TO DETERMINE DISPUTES

The reports of the proceedings of the General Employees' and of the Manual Workers' Tribunals respectively, for the year ended 31st March, 1957, are reproduced in Appendices XVI and XVII.

STAFF

At the 31st March, 1957, the numerical strength of the Board's regular staff was 5,129. In addition there was a casual staff of 2,553.

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

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

(Signed) PATRICK J. DEMPSEY, Secretary.

18th June, 1957.

REPORT

ON THE

FISHERIES

27 Lower Fitzwilliam Street,
Dublin.

TO THE MINISTER FOR INDUSTRY AND COMMERCE

In accordance with the provisions of the Shannon Fisheries Act, 1935 and the Electricity (Supply) (Amendment) Act, 1945, the Board presents the Annual Report and Accounts for the year ended 31st March, 1957.

RIVER SHANNON FISHERIES

The sales, as shown in the Trading Account, of salmon and eels, the leasing of angling rights, and miscellaneous income amounted to £20,897 as compared with £17,077 in the preceding year. Interest and sinking fund charges on the capital invested in the fisheries amounted to £5,107 compared with £4,520 last year. Fishery rates totalled £4,381 and £2,010 has been transferred to the depreciation reserve. Having allowed for these expenses, and having also charged for the operation, preservation and protection of the fisheries, the Profit and Loss Account showed a deficit of £8,913 for the year compared with a deficiency of £11,155 last year.

SALMON FISHERIES

Successful experiments were carried out in the use of containers in which salmon were packed individually for shipment and in the use of cardboard packs to replace wooden cases. Salmon packed in individual polyethylene containers arrived at overseas markets in better condition than when packed in contact with one another and with melting ice. It was found practicable to use cardboard containers for fresh salmon when the fish were pre-packaged in polyethylene. The costs of cardboard containers were less than those of wooden salmon boxes of similar capacity, and transport costs were low because of the reduced weight.

Experiments were carried out in the killing of salmon by electricity as opposed to the normal system of clubbing the fish. The salmon in the Board's traps are instantaneously killed by an electric current and the fish have subsequently been shown to remain fresh for an exceptionally long period. In general they have commanded a price in excess of fish killed by normal methods.

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

Year ended 31st March		Recorded run through Thomond Weir
1947	...	10,355
1948	...	8,809
1949	...	10,261
1950	...	12,551
1951	...	14,403
1952	...	14,653
1953	...	10,289
1954	...	17,408
1955	...	13,629
1956	...	9,433
1957	...	12,542

The average weight of salmon captured at Thomond Weir was 8·9 against 10·2 lbs. in the preceding year. Grilse averaged 5·3 as compared with 5·6 lbs. Four stake weirs were operated in the estuary of the Shannon, and the average weight of salmon taken was 9·3 as compared with 9·6 lbs. for the previous year, while the average weight of the grilse was 4·8 as compared with 4·7 lbs.

The proceeds from sales of salmon were £14,828 as compared with £12,776 last year.

EEL FISHERIES

A new method for the storage of eels in floating tanks, which had been introduced during the 1955 season, was extended. This system of storage is a marked improvement on the previous storage arrangements.

The take from the eel weir at Killaloe was 15,778 lbs. as against 13,944 lbs. for the previous season. The receipts from the sale of eels amounted to £2,986 as compared with £1,808 the previous year.

SALMON ROD FISHERIES

The revenue from the leasing of angling rights and the sale of angling permits amounted to £1,517 as against £1,440 in the previous year.

FISHERIES DEVELOPMENT

The Board's long term programme for rehabilitation of the stocks of salmon in the Shannon made steady progress. Work continued on the new fish pass at Ardnacrusha ; the excavation is now complete and construction has commenced.

Construction of a modern salmon hatchery with a capacity of between two and three million salmon eggs has commenced at Parteen Villa on the River Shannon. A permanent trap was erected for the taking of salmon for hatchery purposes from waters that are at present overcrowded by spawning fish.

RIVER ERNE

The recorded run of salmon through the fish counter at Cathaleen's Fall was 4,570, of which less than 20% were taken. The proceeds from sales of salmon were £1,696.

A small salmon and brown trout hatchery was started. Approximately 140,000 salmon and 4,000 brown trout ova were successfully hatched.

RIVER LEE

Under the Lee hydro-electric scheme, a number of fisheries, including a commercial fishery, was acquired in lieu of payment of compensation. The commercial fishery was operated experimentally to ascertain the effect of the altered regime of the river following hydro-electric development. The costs incurred were written off in the Electricity Net Revenue Account.

(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.

18th June, 1957.

APPENDICES

APPENDICES

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

District	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
ATHLONE	**163·4**	**30,585**	**27,479**	**16,025**	**15,977**
Town	44·9	11,036	10,893	14,916	15,025
Rural	*118·5*	*19,549*	*16,586*	*1,109*	*952*
CORK No. 1	**112·0**	**27,408**	**26,776**	**33,517**	**35,116**
Town	112·0	27,408	26,776	33,517	35,116
Rural	—	—	—	—	—
CORK No. 2	**159·4**	**33,322**	**30,659**	**21,465**	**20,209**
Town	53·4	14,467	14,234	16,044	16,292
Rural	*106·0*	*18,855*	*16,425*	*5,421*	*3,917*
DUBLIN No. 1	**494·7**	**125,118**	**123,053**	**99,759**	**100,054**
Town	494·7	125,118	123,053	99,759	100,054
Rural	—	—	—	—	—
DUBLIN No. 2	**238·0**	**68,094**	**66,033**	**58,834**	**57,137**
Town	164·4	52,969	51,400	47,644	50,091
Rural	*73·6*	*15,125*	*14,633*	*11,190*	*7,046*
DUNDALK	**195·8**	**38,056**	**35,123**	**65,172**	**67,803**
Town	72·3	18,194	17,944	60,970	64,289
Rural	*123·5*	*19,862*	*17,179*	*4,202*	*3,514*
GALWAY	**173·6**	**31,630**	**28,273**	**6,861**	**6,071**
Town	44·6	10,044	9,773	5,805	5,165
Rural	*129·0*	*21,586*	*18,500*	*1,056*	*906*
LIMERICK	**249·0**	**52,316**	**48,032**	**44,321**	**45,140**
Town	95·6	23,582	23,405	38,291	39,781
Rural	*153·4*	*28,734*	*24,627*	*6,030*	*5,359*
PORTLAOISE	**167·9**	**35,182**	**32,285**	**38,917**	**35,437**
Town	65·6	16,983	16,680	33,847	30,625
Rural	*102·3*	*18,199*	*15,605*	*5,070*	*4,812*
SLIGO	**248·7**	**40,970**	**33,287**	**9,896**	**9,093**
Town	45·8	11,609	11,573	4,892	5,083
Rural	*202·9*	*29,361*	*21,714*	*5,004*	*4,010*
TRALEE	**116·7**	**23,515**	**20,042**	**6,670**	**6,198**
Town	31·2	7,536	7,686	4,928	4,997
Rural	*85·5*	*15,979*	*12,356*	*1,742*	*1,201*
WATERFORD	**211·3**	**41,714**	**38,504**	**31,617**	**28,776**
Town	95·2	23,628	23,350	21,234	19,924
Rural	*116·1*	*18,086*	*15,154*	*10,383*	*8,852*
Totals	**2,530·5**	**547,910**	**509,546**	**433,054**	**427,011**
Town	1,319·7	342,574	336,767	381,847	386,442
Rural	*1,210·8*	*205,336*	*172,779*	*51,207*	*40,569*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March, 1957	No. of Consumers at 31st March, 1956	Motive Power Units sold year ended 31st March 1957 thousands	Motive Power Units sold year ended 31st March 1956 thousands
ATHLONE DISTRICT					
ATHLONE AREA ...	**19·8**	**4,401**	**4,202**	**4,213**	**4,522**
Athlone	9·0	2,372	2,353	4,102	4,428
Moate	1·3	284	287	51	46
Rural Areas	*9·5*	*1,745*	*1,562*	*60*	*48*
BALLINASLOE AREA ...	**15·3**	**2,391**	**2,140**	**1,559**	**1,506**
Ballinasloe	5·6	785	768	1,047	1,055
Villages under 1,000 population	*·2*	*77*	*76*	*273*	*208*
Rural Areas	*9·5*	*1,529*	*1,296*	*239*	*243*
BIRR AREA	**24·1**	**4,405**	**4,258**	**900**	**831**
Birr and Crinkle	3·6	823	798	261	279
Villages under 1,000 population	*2·3*	*807*	*770*	*176*	*161*
Rural Areas	*18·2*	*2,775*	*2,690*	*463*	*391*
LONGFORD AREA ...	**29·6**	**5,391**	**4,833**	**847**	**585**
Granard	1·2	259	253	63	36
Longford	3·8	1,047	1,037	290	250
Villages under 1,000 population	*1·2*	*353*	*348*	*403*	*246*
Rural Areas	*23·4*	*3,732*	*3,195*	*91*	*53*
MULLINGAR AREA ...	**32·4**	**6,264**	**5,490**	**933**	**780**
Mullingar	5·6	1,398	1,377	829	684
Rural Areas	*26·8*	*4,866*	*4,113*	*104*	*96*
ROSCOMMON AREA ...	**20·6**	**3,922**	**3,777**	**1,664**	**1,294**
Roscommon	2·0	551	548	1,526	1,188
Rural Areas	*18·6*	*3,371*	*3,229*	*138*	*106*
TULLAMORE AREA ...	**21·6**	**3,811**	**2,779**	**5,909**	**6,459**
Clara	1·7	509	508	2,191	2,781
Tullamore	6·2	1,486	1,477	3,659	3,624
Villages under 1,000 population	*1·2*	*285*	*293*	*45*	*39*
Rural Areas	*12·5*	*1,531*	*501*	*14*	*15*
TOTALS ...	**163·4**	**30,585**	**27,479**	**16,025**	**15,977**
CORK No. 1 DISTRICT					
CORK CITY AREA ...	**112·0**	**27,408**	**26,776**	**33,517**	**35,116**
Cork City	112·0	27,408	26,776	33,517	35,116
TOTALS ...	**112·0**	**27,408**	**26,776**	**33,517**	**35,116**
CORK No. 2 DISTRICT					
BANDON AREA ...	**19·1**	**3,559**	**2,697**	**1,719**	**1,484**
Bandon	3·3	1,042	1,020	605	623
Kinsale	2·1	612	614	*132*	101
Villages under 1,000 population	*·3*	*23*	*92*	*44*	*46*
Rural Areas	*13·4*	*1,882*	*971*	*938*	*714*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March, 1957	No. of Consumers at 31st March, 1956	Motive Power Units sold year ended 31st March 1957 thousands	Motive Power Units sold year ended 31st March 1956 thousands
CORK No. 2 DISTRICT—*continued*					
BANTRY AREA ...	**9·6**	**1,841**	**1,593**	**152**	**159**
Bantry ...	2·3	590	579	106	111
Villages under 1,000 population	*·1*	*157*	*120*	*5*	*9*
Rural Areas ...	*7·2*	*1,094*	*894*	*41*	*39*
CARRIGALINE AREA ...	**14·5**	**2,654**	**2,733**	**546**	**494**
Monkstown ...	2·7	209	192	2	2
Passage West ...		431	427	60	37
Villages under 1,000 population	*1·3*	*392*	*386*	*441*	*433*
Rural Areas ...	*10·5*	*1,622*	*1,728*	*43*	*22*
CLONAKILTY AREA ...	**10·5**	**1,912**	**1,889**	**880**	**757**
Clonakilty ...	2·7	628	626	344	317
Rural Areas ...	*7·8*	*1,284*	*1,263*	*536*	*440*
COBH AREA ...	**7·4**	**1,874**	**1,828**	**3,936**	**3,537**
Cobh ...	5·7	1,556	1,513	3,903	3,527
Rural Areas ...	*1·7*	*318*	*315*	*33*	*10*
DUNMANWAY AREA ...	**9·4**	**2,096**	**2,004**	**816**	**807**
Dunmanway ...	1·4	408	397	97	84
Skibbereen ...	2·3	654	649	161	161
Villages under 1,000 population	*1·4*	*475*	*466*	*499*	*497*
Rural Areas ...	*4·3*	*559*	*492*	*59*	*65*
FERMOY AREA ...	**18·3**	**3,927**	**3,448**	**1,511**	**1,424**
Fermoy ...	4·0	1,055	1,013	211	278
Mitchelstown ...	2·1	658	661	937	979
Villages under 1,000 population	*1·0*	*163*	*164*	*54*	*56*
Rural Areas ...	*11·2*	*2,051*	*1,610*	*309*	*111*
KILBARRY AREA ...	**23·8**	**4,463**	**4,205**	**1,969**	**1,932**
Villages under 1,000 population	*1·5*	*456*	*425*	*673*	*636*
Rural Areas ...	*22·3*	*4,007*	*3,780*	*1,296*	*1,296*
MACROOM AREA ...	**4·8**	**2,004**	**1,657**	**273**	**346**
Macroom... ...	2·3	592	588	135	137
Rural Areas ...	*2·5*	*1,412*	*1,069*	*138*	*209*
MALLOW AREA ...	**21·6**	**4,489**	**4,419**	**4,066**	**3,630**
Mallow	5·6	1,362	1,365	2,653	2,128
Villages under 1,000 population	*1·6*	*492*	*494*	*155*	*590*
Rural Areas ...	*14·4*	*2,635*	*2,560*	*1,258*	*912*
MIDLETON AREA ...	**13·4**	**3,025**	**2,727**	**2,800**	**2,900**
Midleton ...	2·8	767	716	1,717	1,684
Villages under 1,000 population	*2·1*	*600*	*589*	*325*	*1,129*
Rural Areas ...	*8·5*	*1,658*	*1,422*	*758*	*87*
YOUGHAL AREA ...	**7·0**	**1,478**	**1,459**	**2,797**	**2,739**
Youghal	4·8	1,145	1,138	2,785	2,727
Rural Areas ...	*2·2*	*333*	*321*	*12*	*12*
TOTALS ...	**159·4**	**33,322**	**30,659**	**21,465**	**20,209**
DUBLIN No. 1 DISTRICT					
DUBLIN CITY AREA ...	**494·7**	**125,118**	**123,053**	**99,759**	**100,054**
Dublin City	494·7	125,118	123,053	99,759	100,054
TOTALS ...	**494·7**	**125,118**	**123,053**	**99,759**	**100,054**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
DUBLIN No. 2 DISTRICT					
BALLYMUN AREA ...	**20·3**	**9,188**	**7,635**	**12,198**	**11,512**
Artane					
Ballymun					
Castleknock					
Coolock	16·3	8,391	6,852	11,860	11,247
Finglas					
Santry					
Blanchardstown					
Rural Areas	*4·0*	*797*	*783*	*338*	*265*
BRAY AREA	**16·3**	**4,803**	**4,658**	**1,380**	**1,407**
Bray	15·0	4,204	4,089	1,291	1,255
Shankill–Loughlinstown ...					
Rural Areas	*1·3*	*599*	*569*	*89*	*152*
CHAPELIZOD AREA ...	**27·3**	**7,729**	**7,474**	**23,265**	**27,189**
Chapelizod					
The Ranch	21·5	5,869	5,646	*636*	734
Palmerstown					
Clondalkin	2·3	1,054	1,027	21,948	25,705
Bluebell					
Rural Areas	*3·5*	*806*	*801*	*681*	*750*
DUN LAOGHAIRE AREA	**75·9**	**23,096**	**23,600**	**3,833**	**3,574**
Dundrum–Milltown ...					
Dún Laoghaire Borough ...	74·0	22,404	22,969	3,147	3,100
Stillorgan–Ballybrack ...					
Kilternan–Scalp					
Rural Areas	*1·9*	*692*	*631*	*686*	*474*
GRANGE AREA ...	**2·6**	**2,343**	**2,205**	**348**	**328**
Raheny	2·3	2,080	1,944	336	318
Baldoyle					
Rural Areas	*·3*	*263*	*261*	*12*	*10*
GREYSTONES AREA ...	**8·1**	**2,014**	**2,020**	**194**	**214**
Greystones	2·2	750	753	46	45
Delgany–Killincarrig ...	1·6	436	434	8	9
Newtownmountkennedy ...					
Rural Areas	*4·3*	*828*	*833*	*140*	*160*
HOWTH AREA	**5·8**	**1,314**	**1,321**	**813**	**515**
Howth–Sutton	5·8	1,314	1,321	813	515
LEIXLIP AREA	**11·7**	**3,556**	**3,440**	**7,611**	**6,770**
Lucan	1·3	443	430	5,324	5,099
Celbridge	1·5	423	415	170	156
Leixlip					
Maynooth	·8	246	243	106	98
Rural Areas	*8·1*	*2,444*	*2,352*	*2,011*	*1,417*
NAAS AREA	**15·4**	**2,902**	**2,868**	**1,990**	**2,154**
Naas	3·7	904	891	497	497
Rural Areas	*11·7*	*1,998*	*1,977*	*1,493*	*1,657*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power: Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
DUBLIN No. 2 DISTRICT—*continued*					
SKERRIES AREA ...	**13·5**	**2,599**	**2,528**	**678**	**703**
Balbriggan	2·9	711	709	347	307
Skerries	2·5	752	741	82	107
Rural Areas	*8·1*	*1,136*	*1,078*	*249*	*289*
SWORDS AREA	**13·4**	**3,675**	**3,569**	**1,391**	**1,308**
Malahide	3·1	885	877	121	110
Portmarnock					
Rush	1·9	596	580	88	72
Swords	1·1	423	415	188	181
Rural Areas	*7·3*	*1,771*	*1,697*	*994*	*945*
KILCOCK AREA (RURAL)	**14·7**	**2,179**	**2,113**	**485**	**388**
Kilcock Rural	*14·7*	*2,179*	*2,113*	*485*	*388*
WICKLOW AREA ...	**13·0**	**2,696**	**2,602**	**4,648**	**1,075**
Rathdrum	1·3	226	225	95	94
Wicklow	3·3	858	839	541	442
Rural Areas	*8·4*	*1,612*	*1,538*	*4,012*	*539*
TOTALS ...	**238·0**	**68,094**	**66,033**	**58,834**	**57,137**
DUNDALK DISTRICT					
ARDEE AREA	**22·2**	**4,385**	**4,317**	**6 356**	**6,014**
Ardee	2·5	579	570	2,045	1,943
Carrickmacross	2·1	606	597	266	204
Villages under 1,000 population	*1·5*	*571*	*607*	*2,966*	*2,828*
Rural Areas	*16·1*	*2,629*	*2,543*	*1,079*	*1,039*
MONAGHAN AREA ...	**22·2**	**4,038**	**3,271**	**1,974**	**2,069**
Ballybay	1·0	321	323	244	266
Castleblayney	2·2	511	521	584	592
Monaghan	4·7	995	976	581	621
Rural Areas	*14·3*	*2,211*	*1,451*	*565*	*590*
CAVAN AREA	**20·5**	**3,743**	**2,858**	**1,876**	**1,736**
Belturbet	1·2	306	309	211	220
Cavan	3·6	900	890	725	663
Villages under 1,000 population	*2·8*	*634*	*623*	*641*	*624*
Rural Areas	*12·9*	*1,903*	*1,036*	*299*	*229*
COOTEHILL AREA ...	**15·2**	**2,822**	**1,869**	**457**	**555**
Clones	2·5	689	687	87	93
Cootehill	1·5	398	415	357	461
Villages under 1,000 population	*·1*	*18*	*16*	*Nil*	*Nil*
Rural Areas	*11·1*	*1,717*	*751*	*13*	*1*
DROGHEDA AREA ...	**35·9**	**6,877**	**6,725**	**49,417**	**52,382**
Drogheda	16·8	3,953	3,777	47,720	51,110
Villages under 1,000 population	*·6*	*207*	*200*	*35*	*41*
Rural Areas	*18·5*	*2,717*	*2,748*	*1,662*	*1,231*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
DUNDALK DISTRICT—*continued*					
DUNDALK AREA ...	**40·2**	**8,859**	**8,812**	**3,602**	**3,595**
Dundalk	19·7	4,733	4,690	3,347	3,362
Villages under 1,000 population	*·8*	*233*	*233*	*26*	*33*
Rural Areas	*19·7*	*3,893*	*3,889*	*229*	*200*
NAVAN AREA	**20·3**	**4,132**	**4,082**	**1,180**	**1,192**
An Uaimh (Navan) ...	4·3	1,148	1,136	796	865
Trim	1·3	378	366	120	123
Rural Areas	*14·7*	*2,606*	*2,580*	*264*	*204*
KELLS AREA	**19·3**	**3,200**	**3,189**	**310**	**260**
Ceannanus Mor (Kells) ...	2·1	604	597	99	113
Villages under 1,000 population	*1·0*	*410*	*411*	*120*	*127*
Rural Areas	*16·2*	*2,186*	*2,181*	*91*	*20*
TOTALS ...	**195·8**	**38,056**	**35,123**	**65,172**	**67,803**
GALWAY DISTRICT					
CLAREMORRIS AREA ...	**29·7**	**5,438**	**5,025**	**720**	**772**
Ballinrobe	1·2	347	337	80	80
Ballyhaunis	1·1	362	351	94	93
Claremorris	1·1	419	415	258	290
Rural Areas	*26·3*	*4,310*	*3,922*	*288*	*309*
GALWAY AREA ...	**44·3**	**8,011**	**7,327**	**2,954**	**2,710**
Galway	21·3	4,576	4,388	2,461	2,332
Villages under 1,000 population	*·2*	*67*	*64*	*5*	*7*
Rural Areas	*22·8*	*3,368*	*2,875*	*488*	*371*
GORT AND ATHENRY AREAS	**31·0**	**5,948**	**5,294**	**892**	**558**
Athenry	1·2	293	279	212	194
Gort	1·0	306	293	68	67
Loughrea	2·8	533	534	487	238
Villages under 1,000 population	*·1*	*39*	*38*	*9*	*9*
Rural Areas	*19·2*	*3,301*	*4,150*	*114*	*50*
	6·7	*1,476*		*2*	
TUAM AREA	**34·8**	**6,431**	**5,410**	**177**	**161**
Tuam	5·0	1,129	1,102	140	127
Villages under 1,000 population	*·5*	*142*	*144*	*5*	*4*
Rural Areas	*29·3*	*5,160*	*4,164*	*32*	*30*
WESTPORT AREA ...	**33·8**	**5,802**	**5,217**	**2,118**	**1,870**
Castlebar	5·3	950	952	1,284	1,146
Westport	3·1	768	764	695	568
Villages under 1,000 population	*·7*	*113*	*112*	*7*	*10*
Rural Areas	*24·7*	*3,971*	*3,389*	*132*	*146*
TOTALS ...	**173·6**	**31,630**	**28,273**	**6,861**	**6,071**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power: Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
LIMERICK DISTRICT					
CAHIR AREA	**18·3**	**3,280**	**3,246**	**795**	**631**
Cahir	1·6	508	509	183	171
Cashel	2·8	585	572	70	68
Rural Areas	*13·9*	*2,187*	*2,165*	*542*	*392*
ENNIS AREA	**20·7**	**4,222**	**4,336**	**2,450**	**2,352**
Ennis	6·1	1,775	1,738	575	623
Villages under 1,000 population	*1·3*	*320*	*321*	*913*	*831*
Rural Areas	*13·3*	*2,127*	*2,277*	*962*	*898*
ENNISTYMON AREA ...	**8·1**	**1,920**	**1,280**	**180**	**175**
Ennistymon	1·1	333	341	116	120
Villages under 1,000 population	*1·5*	*525*	*517*	*49*	*51*
Rural Areas	*5·5*	*1,062*	*422*	*15*	*4*
KILMALLOCK AREA ...	**20·3**	**4,070**	**3,265**	**725**	**660**
Kilmallock	1·1	337	334	158	148
Villages under 1,000 population	*2·2*	*474*	*605*	*91*	*159*
Rural Areas	*17·0*	*3,259*	*2,326*	*476*	*353*
KILRUSH AREA ...	**11·1**	**2,670**	**2,173**	**936**	**974**
Kilkee	1·7	428	435	55	30
Kilrush	3·2	728	721	861	*942*
Rural Areas	*6·2*	*1,514*	*1,017*	*20*	*2*
LIMERICK AREA ...	**77·9**	**17,270**	**16,970**	**30,775**	**33,042**
Killaloe–Ballina	1·0	308	309	69	65
Limerick	50·8	12,018	11,810	29,470	32,004
Villages under 1,000 population	*1·1*	*198*	*193*	*66*	*61*
Rural Areas	*25·0*	*4,746*	*4,658*	*1,170*	*912*
NENAGH AREA ...	**17·1**	**3,601**	**2,410**	**3,860**	**2,788**
Nenagh	4·4	1,189	1,170	3,835	2,759
Villages under 1,000 population	*·8*	*78*	*74*	*5*	*5*
Rural Areas	*11·9*	*2,334*	*1,166*	*20*	*24*
RATHKEALE AREA ...	**27·4**	**6,022**	**5,239**	**2,079**	**2,152**
Newcastle West	2·6	635	624	137	135
Rathkeale	1·5	334	327	70	81
Villages under 1,000 population	*2·8*	*753*	*788*	*587*	*720*
Rural Areas	*20·5*	*4,300*	*3,500*	*1,285*	*1,216*
RATHLUIRC AREA ...	**13·5**	**3,095**	**3,021**	**1,100**	**1,237**
Rathluirc (Charleville) ...	1·9	583	572	245	248
Rural Areas	*11·6*	*2,512*	*2,449*	*855*	*989*
TIPPERARY AREA ...	**34·6**	**6,166**	**6,092**	**1,421**	**1,129**
Tipperary	5·1	1,236	1,210	675	605
Villages under 1,000 population	*1·0*	*237*	*235*	*61*	*47*
Rural Areas	*28·5*	*4,693*	*4,647*	*685*	*477*
TOTALS ...	**249·0**	**52,316**	**48,032**	**44,321**	**45,140**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
PORTLAOISE DISTRICT					
ATHY AREA	**14·2**	**2,385**	**2,383**	**7,788**	**6,836**
Athy	3·8	912	918	7,523	6,683
Rural Areas	*10·4*	*1,473*	*1,465*	*265*	*153*
CARLOW AREA ...	**19·9**	**4,112**	**3,704**	**1,667**	**1,458**
Carlow	7·7	1,707	1,684	1,141	1,029
Muine Bheag	1·9	491	477	196	176
Rural Areas	*10·3*	*1,914*	*1,543*	*330*	*253*
DROICHEAD NUA AREA	**11·9**	**2,815**	**2,477**	**3,090**	**2,786**
Droichead Nua	3·0	989	985	3,039	2,742
Villages under 1,000 population	*1·1*	*335*	*323*	*30*	*31*
Rural Areas	*7·8*	*1,491*	*1,169*	*21*	*13*
EDENDERRY AREA ...	**5·6**	**1,872**	**1,855**	**651**	**617**
Edenderry	2·6	543	545	642	608
Rural Areas	*3·0*	*1,329*	*1,310*	*9*	*9*
KILDARE AREA ...	**11·4**	**1,765**	**1,708**	**9,684**	**7,782**
Kildare	2·3	609	602	8,219	6,447
Villages under 1,000 population	*·4*	*134*	*133*	*75*	*82*
Rural Areas	*8·7*	*1,022*	*973*	*1,390*	*1,253*
KILKENNY AREA ...	**33·7**	**7,068**	**6,830**	**5,995**	**6,353**
Callan	1·5	352	344	179	191
Kilkenny	10·8	2,794	2,679	938	918
Castlecomer	1·1	301	294	2,902	3,376
Villages under 1,000 population	*1·6*	*454*	*426*	*213*	*209*
Rural Areas	*18·7*	*3,167*	*3,087*	*1,763*	*1,659*
PORTARLINGTON AREA	**12·9**	**2,351**	**2,304**	**3,484**	**3,092**
Mountmellick	2·5	567	561	222	210
Portarlington	2·2	654	634	3,119	2,735
Villages under 1,000 population	*·4*	*168*	*165*	*131*	*135*
Rural Areas	*7·8*	*962*	*944*	*12*	*12*
PORTLAOISE AREA ...	**15·1**	**3,605**	**2,977**	**2,232**	**2,076**
Mountrath–Castletown ...	1·2	280	314	88	92
Portlaoise	3·8	1,077	1,062	1,826	1,690
Villages under 1,000 population	*2·1*	*640*	*639*	*284*	*284*
Rural Areas	*8·0*	*1,608*	*962*	*34*	*10*
ROSCREA AREA ...	**10·4**	**2,432**	**2,295**	**1,815**	**1,674**
Roscrea	3·0	832	836	1,437	1,331
Villages under 1,000 population	*·9*	*331*	*321*	*40*	*41*
Rural Areas	*6·5*	*1,269*	*1,138*	*338*	*302*
THURLES AREA ...	**22·7**	**4,641**	**3,778**	**2,158**	**2,455**
Templemore	2·0	467	456	396	590
Thurles	6·3	1,389	1,322	939	775
Villages under 1,000 population	*·5*	*146*	*143*	*63*	*56*
Rural Areas	*13·9*	*2,639*	*1,857*	*760*	*1,034*
TULLOW AREA ...	**10·1**	**2,136**	**1,974**	**353**	**308**
Tullow	1·7	420	423	105	102
Villages under 1,000 population	*1·2*	*391*	*394*	*100*	*92*
Rural Areas	*7·2*	*1,325*	*1,157*	*148*	*114*
TOTALS ...	**167·9**	**35,182**	**32,285**	**38,917**	**35,437**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
SLIGO DISTRICT					
BALLAGHADEREEN AREA	**14·6**	**2,826**	**2,686**	**304**	**315**
Ballaghadereen	1·4	353	350	97	102
Castlerea	1·2	470	462	171	183
Villages under 1,000 population	*·3*	*33*	*32*	*5*	*3*
Rural Areas	*11·7*	*1,970*	*1,842*	*31*	*27*
BALLINA AREA ...	**32·6**	**5,629**	**4,693**	**547**	**376**
Ballina–Crocketstown ...	6·3	1,595	1,576	286	287
Villages under 1,000 population	*1·5*	*340*	*350*	*31*	*31*
Rural Areas	*24·8*	*3,694*	*2,767*	*230*	*58*
BALLYSHANNON AREA	**8·6**	**1,728**	**1,838**	**146**	**166**
Ballyshannon	2·8	705	711	56	66
Bundoran	1·7	405	416	74	82
Rural Areas	*4·1*	*618*	*711*	*16*	*18*
BUNCRANA AREA ...	**14·0**	**2,766**	**1,320**	**167**	**152**
Buncrana	3·0	683	684	143	140
Rural Areas	*11·0*	*2,083*	*636*	*24*	*12*
CARRICK-ON-SHANNON AREA	**29·6**	**4,585**	**3,483**	**1,183**	**1,109**
Carrick-on-Shannon ...	1·5	401	405	782	874
Villages under 1,000 population	*2·9*	*834*	*835*	*194*	*129*
Rural Areas	*25·2*	*3,350*	*2,243*	*207*	*106*
DUNGLOE AREA (RURAL)	**15·7**	**3,021**	**Nil**	**38**	**Nil**
Rural Areas	*15·7*	*3,021*	*Nil*	*38*	*Nil*
KILLYBEGS AREA (RURAL)	**16·0**	**2,677**	**2,602**	**400**	**419**
Donegal	*1·1*	*2,677*	*2,602*	*400*	*419*
Rural Areas	*14·9*				
LETTERKENNY AREA ...	**51·5**	**6,407**	**7,164**	**2,492**	**2,155**
Letterkenny	3·0	852	827	308	307
Villages under 1,000 population	*1·1*	*366*	*365*	*1,044*	*1,139*
Rural Areas	*47·4*	*5,189*	*5,972*	*1,140*	*709*
SLIGO AREA	**36·4**	**6,827**	**5,878**	**3,966**	**3,803**
Sligo	13·5	2,989	2,974	*1,103*	1,025
Villages under 1,000 population	*·9*	*304*	*297*	*34*	*170*
Rural Areas	*22·0*	*3,534*	*2,607*	*2,829*	*2,608*
SWINFORD AREA ...	**29·7**	**4,504**	**3,623**	**653**	**598**
Kiltimagh	1·0	261	260	225	236
Swinford	1·2	323	326	15	33
Villages under 1,000 population	*2·5*	*695*	*703*	*324*	*276*
Rural Areas	*25·0*	*3,225*	*2,334*	*89*	*53*
TOTALS ...	**248·7**	**40,970**	**33,287**	**9,896**	**9,093**
TRALEE DISTRICT					
CAHIRCIVEEN AREA (RURAL)	**5·4**	**798**	**Nil**	**13**	**Nil**
Cahirciveen	1·7	798	Nil	13	Nil
Rural Areas	*3·7*				

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
TRALEE DISTRICT—*continued*					
KANTURK AREA ...	**18·2**	**4,120**	**3,569**	**1,028**	**963**
Kanturk	1·6	484	487	385	425
Villages under 1,000 population	*1·9*	*552*	*557*	*156*	*215*
Rural Areas	*14·7*	*3,084*	*2,525*	*487*	*323*
KILLARNEY AREA ...	**22·4**	**3,823**	**3,056**	**1,801**	**1,805**
Killarney	6·3	1,257	1,289	282	308
Villages under 1,000 population	*1·2*	*417*	*490*	*1,317*	*1,345*
Rural Areas	*14·9*	*2,149*	*1,277*	*202*	*152*
LISTOWEL AREA ...	**22·6**	**4,785**	**3,778**	**896**	**847**
Abbeyfeale	1·2	332	327	65	70
Listowel	3·1	687	713	362	355
Villages under 1,000 population	*1·9*	*551*	*639*	*198*	*253*
Rural Areas	*16·4*	*3,215*	*2,099*	*271*	*169*
TRALEE AREA	**48·1**	**9,989**	**9,639**	**2,932**	**2,583**
Castleisland	1·5	417	414	494	393
Tralee	11·0	2,839	2,770	1,669	1,633
Dingle	1·5	6,733	6,455	769	557
Rural Areas	*34·1*				
TOTALS ...	**116·7**	**23,515**	**20,042**	**6,670**	**6,198**
WATERFORD DISTRICT					
ARKLOW AREA ...	**18·4**	**3,779**	**3,641**	**3,382**	**3,465**
Arklow	5·2	1,360	1,351	2,460	2,676
Gorey	2·9	680	673	775	672
Rural Areas	*10·3*	*1,739*	*1,617*	*147*	*117*
CARRICK-ON-SUIR AREA	**17·7**	**3,136**	**2,726**	**2,513**	**1,721**
Carrick-on-Suir	4·8	1,024	1,014	908	645
Villages under 1,000 population	*·9*	*251*	*242*	*779*	*446*
Rural Areas	*12·0*	*1,861*	*1,470*	*826*	*630*
CLONMEL AREA ...	**25·1**	**4,953**	**4,408**	**3,182**	**2,930**
Clonmel	10·5	2,415	2,353	1,491	1,120
Fethard	1·0	286	286	34	38
Villages under 1,000 population	*·5*	*135*	*137*	*52*	*49*
Rural Areas	*13·1*	*2,117*	*1,632*	*1,605*	*1,723*
DUNGARVAN AREA ...	**22·0**	**4,051**	**3,997**	**2,919**	**2,638**
Dungarvan	5·4	1,301	1,289	1,340	1,158
Lismore	1·1	317	319	15	21
Villages under 1,000 population	*1·5*	*465*	*457*	*285*	*108*
Rural Areas	*14·0*	*1,968*	*1,932*	*1,279*	*1,351*
ENNISCORTHY AREA ...	**28·6**	**5,662**	**5,053**	**2,107**	**2,083**
Enniscorthy	5·9	1,461	1,422	1,579	1,637
Villages under 1,000 population	*2·1*	*628*	*762*	*142*	*207*
Rural Areas	*20·6*	*3,573*	*2,869*	*386*	*239*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1957	1956	1957 thousands	1956 thousands
WATERFORD DISTRICT—*continued*					
NEW ROSS AREA ...	**25·4**	**4,755**	**3,899**	**1,614**	**1,687**
Graiguenamanagh–Tinnahinch	1·4	322	307	330	290
New Ross	4·9	1,142	1,123	1,016	1,199
Villages under 1,000 population	*1·6*	*465*	*480*	*41*	*45*
Rural Areas	*17·5*	*2,826*	*1,989*	*227*	*153*
TRAMORE AREA ...	**6·7**	**1,709**	**1,660**	**444**	**262**
Tramore	2·8	835	824	79	149
Villages under 1,000 population	*·7*	*288*	*284*	*33*	*24*
Rural Areas	*3·2*	*586*	*552*	*332*	*89*
WATERFORD AREA ...	**37·2**	**8,296**	**7,868**	**13,164**	**11,811**
Waterford	28·7	7,012	6,842	8,447	7,905
Rural Areas	*8·5*	*1,284*	*1,026*	*4,717*	*3,906*
WEXFORD AREA ...	**30·2**	**5,373**	**5,252**	**2,292**	**2,179**
Wexford	12·0	2,885	2,830	1,363	1,467
Villages under 1,000 population	*1·3*	*356*	*355*	*65*	*68*
Rural Areas	*16·9*	*2,132*	*2,067*	*864*	*644*
TOTALS ...	**211·3**	**41,714**	**38,504**	**31,617**	**28,776**

ELECTRICITY SUPPLY BOARD

NOTICE

OF

GENERAL INCREASE IN THE RATES ON CHARGE

Notice is hereby given that from and including the October/November accounting period, the Board's rates of charge will be revised as follows:

TWO-PART TARIFFS

FIXED CHARGES will be increased as follows:

(a) Where based on number of rooms or rateable valuation:

1/- per 2 months where the present fixed charge is not more than 15/-.
2/- „ „ „ „ „ „ „ „ is over 15/- but under 30/-
1/- „ „ „ for each complete 10/- in the present fixed charge if the latter is 30/- or more.

(b) Where based on floor area (rural supplies):

1d. per 2 months for each 1/- or part thereof in the present fixed charge.

UNIT PRICES

Where the present unit price is	2·8d.	the new price will be	2·8d.
„	„	„	„	„	„	2·0d.	„	„	„	„	„	2·2d.
„	„	„	„	„	„	1·5d.	„	„	„	„	„	1·6d.
„	„	„	„	„	„	1·4d.	„	„	„	„	„	1·5d.
„	„	„	„	„	„	1·3d.	„	„	„	„	„	1·5d.
„	„	„	„	„	„	1·0d.	„	„	„	„	„	1·1d.

LIGHTING (not on Two-part Tariffs)

Where the present price is	7·8d.	per unit the new price will be	8·0d.
„	„	„	„	„	5·9d.	„	„	„	„	„	„	„	6·5d.
„	„	„	„	„	4·8d.	„	„	„	„	„	„	„	5·3d.
„	„	„	„	„	3·3d.	„	„	„	„	„	„	„	3·7d.
„	„	„	„	„	1·7d.	„	„	„	„	„	„	„	1·9d.

CURRENT LIMITER SUPPLY

The new weekly charges will be as follows (as from the week commencing 30th September):—

Supply limited to	60	watts	...	...	1·2d. per week
„ „ „	100	„	...	...	1·9d. per week
„ „ „	150	„	...	...	2/- per week

HEATING

The new prices will be:—

For " occasional " and unrestricted space heating	...	...	2·2d. per unit
For day space heating with peak interruption	...	...	1·7d. per unit
For night space heating	...	...	0·7d. per unit

INDUSTRIAL MOTIVE POWER

The new prices will be:—

For the first	1,600	units per 2 months	...	...	3·7d. per unit
For the next	2,400	„ „ „	...	...	2·6d. per unit
For excess over	4,000	„ „ „	...	...	1·9d. per unit

The present charge of 0·2d. per wattless unit is unaltered.

WATERHEATING

The new prices will be :—

(a) **DOMESTIC :**

For the first 360 units per 2 months ... ... 1·2d. per unit
For excess over 360 units per 2 months ... ... 0·9d. per unit (at all seasons)

Standard meter rental will in future be applicable to all domestic waterheating meters.

(b) **NON-DOMESTIC :**

For all units consumed (day and night) ... ... 1·1d. per unit

COMMERCIAL COOKING AND PROCESS HEATING

The following new scale of charges will apply in all areas :—

For the first 2,400 units per 2 months ... ... 1·6d. per unit
For excess over 2,400 units per 2 months ... ... 1·2d. per unit

GENERAL SUPPLY FOR CINEMAS

The following new scale of charges will apply in all areas :—

For the first 1,000 units per 2 months ... ... 4·5d. per unit
For excess over 1,000 units per 2 months ... ... 3·4d. per unit

NIGHT CHARGING OF TRACTION BATTERIES

For all units consumed ... ... 1·1d. per unit

PUBLIC LIGHTING

Public lighting contracts will be increased by 0·15d. per unit for all-night lighting and by 0·25d. per unit where lighting hours are less than all-night.

Metered supplies for public lighting in rural areas will be increased by 0·2d. per unit.

METER RENTS

Revised bi-mensal meter rentals will be as follows :—

Low Tension Kilowatt hour meters.

Nominal Size of Meter	Single Phase	Three Phase Three Wire	Three Phase Four Wire
Up to 30 amp. (inclusive) ...	1s. 9d.	3s. 6d.	4s. 6d.
Over 30 amp.	3s. 0d.	5s. 6d.	6s. 6d.

Current or potential transformers (any ratio) each 2/6d. per 2 months.

OTHER RATES OF CHARGE

Special rates of charge (Maximum Demand Tariffs, etc.) applicable to a relatively small number of consumers, will also be increased.

Details will be furnished to each consumer concerned.

PATRICK J. DEMPSEY, Secretary

31st August, 1956.

RURAL ELECTRIFICATION

Areas Completed during Year ended 31st March, 1957

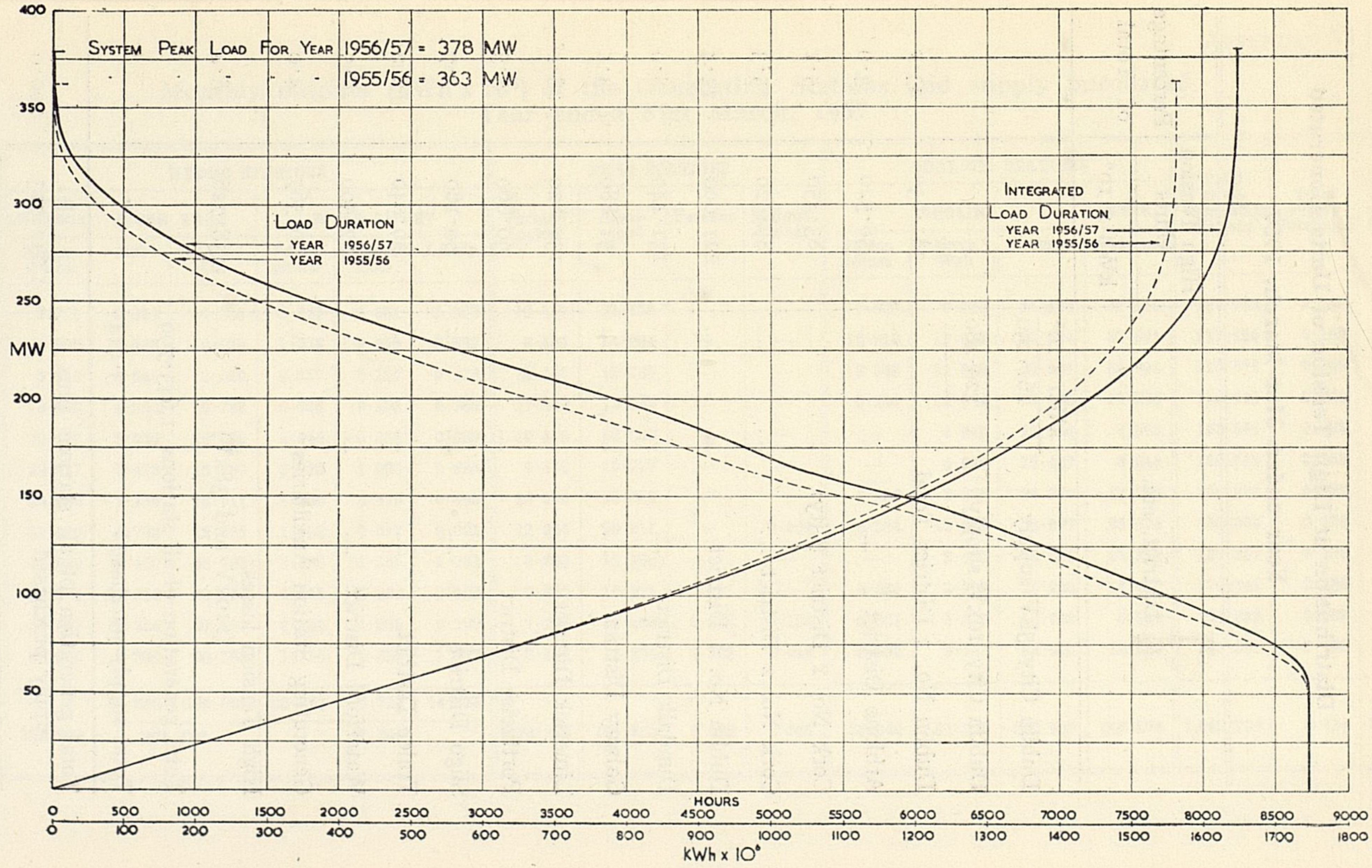
Area	County
Ballymurphy ...	Carlow
Fighting Cocks ...	Carlow
Myshall ...	Carlow
Kildavin ...	Carlow/Wexford/Wicklow
Arva ...	Cavan
Cornakill ...	Cavan
Dernakesh ...	Cavan
Killygarry ...	Cavan
Kilmihill ...	Clare
Liscannor ...	Clare
Ballinspittle ...	Cork
Crossmahon ...	Cork
Murragh ...	Cork
Newmarket ...	Cork
Terelton ...	Cork
Mitchelstown ...	Cork/Limerick
Arranmore ...	Donegal
Carndonagh ...	Donegal
Clonmany ...	Donegal
Creeslough ...	Donegal
Desertegney ...	Donegal
Dunfanaghy ...	Donegal
Dungloe ...	Donegal
Falcarragh ...	Donegal
Brownsgrove ...	Galway
Cleggan ...	Galway
Cornamona ...	Galway
Derrydonnell ...	Galway
Kilconiernan ...	Galway
Kilconly ...	Galway
Killeenadeema ...	Galway
Killure ...	Galway
Boston ...	Galway/Clare
Beaufort ...	Kerry
Cahirciveen ...	Kerry
Duagh ...	Kerry
Milltown ...	Kerry
Tarbert ...	Kerry
Waterville ...	Kerry
Glenmore ...	Kilkenny
Shanahoe ...	Laois
Cullahill ...	Laois/Kilkenny

Area	County
Farnaght ...	Leitrim
Athea ...	Limerick
Galbally ...	Limerick
Garryspillane ...	Limerick
Rathreigh ...	Limerick
Legga ...	Longford
Ballygarries ...	Mayo
Belmullet ...	Mayo
Glenisland ...	Mayo
Lahardane ...	Mayo
Mayo Abbey ...	Mayo
Moygownagh ...	Mayo
Killyneill ...	Monaghan
Knockatallon ...	Monaghan
Latton ...	Monaghan
Croghan ...	Offaly
Geashill ...	Offaly
Rathallen ...	Roscommon
Ballintogher ...	Sligo
Curry ...	Sligo
Emlefad ...	Sligo
Killasser ...	Sligo/Mayo
Ballinure ...	Tipperary
Ballycahill ...	Tipperary
Cloughjordan ...	Tipperary
Drom ...	Tipperary
Gortnahoo ...	Tipperary
Templederry ...	Tipperary
Birdhill ...	Tipperary/Limerick
Ballymacarbry ...	Waterford
Rathgormack ...	Waterford
Streamstown ...	Westmeath
Streete ...	Westmeath/Longford
Horseleap ...	Westmeath/Offaly
Tober ...	Westmeath/Offaly
Ballywilliam ...	Wexford
Hollyfort ...	Wexford
Gormanstown ...	Wicklow/Kildare

Areas under Construction or Selected for Development at the 31st March, 1957

Area	County
Glynn	Carlow
Mount Nugent	Cavan
Cooraclare	Clare
Doonbeg	Clare
Clondrohid	Cork
Dungourney	Cork
Kildorrery	Cork
Lisgoold	Cork
Newcestown	Cork
Barnesmore	Donegal
Glenfin	Donegal
Malin	Donegal
New Mills	Donegal
Pettigo	Donegal
Carraroe	Galway
Letterfrack	Galway
Barraduff	Kerry
Keel	Kerry
Kenmare	Kerry
Moyvane	Kerry
Clonreher	Laois
Timahoe	Laois
Dangan	Leitrim/ Roscommon
Anglesboro	Limerick
Askeaton	Limerick
Dring	Longford
Keelogues	Mayo
Kilmeena	Mayo
Leenane	Mayo/Galway
Annaroe	Monaghan
Tarmon	Roscommon
Castleconnor	Sligo/Mayo
Cashel	Tipperary
Derryvale	Tipperary
Upperchurch	Tipperary
Gaultier	Waterford
Ballymore	Westmeath/ Longford
Tang	Westmeath/ Longford
Moydrum	Westmeath/ Offaly
Foulksmills	Wexford
Killann	Wexford
Monamolin	Wexford
Donard	Wicklow

GENERATION LOAD DURATION & INTEGRATED LOAD DURATION CURVES — YEAR ENDED 31ST MARCH 1957



APPENDIX V

Distribution at High Tension of Units Generated

Year ended 31st March, 1957

District, etc.			High Tension Units	Percentage of Total
			kWh x 10^6	
	kWh x 10^6			
Dublin City 5kV supply	261·150			
Dublin City 10kV supply	120·480			
Dublin No. 1 District Total ...	...		381·630	23·1
Athlone District	....	....	58·520	3·6
Cork No. 1 District (City)	....		83·450	5·1
Cork No. 2 District	....	....	87·320	5·3
Dublin No. 2 District	....		221·000	13·4
Dundalk District	....	....	131·440	8·0
Galway District	....	....	51·880	3·1
Limerick District	....	....	132·820	8·1
Portlaoise District	....		90·860	5·5
Sligo District	....	....	60·160	3·7
Tralee District	....	....	36·040	2·2
Waterford District	....	....	107·500	6·5
Generating Station Auxiliaries	....		66·367	4·0
High Tension losses (110kV and 38kV)	....		138·726	8·4
Total generation of all stations	1,643·799			
Total supply purchased	3·914			
Total generation of all stations plus supply purchased	....		1,647·713	100·0

Monthly outputs (kWh x 10^6) of the Generating Stations and supply purchased Year ended 31st March, 1957

Month (Calendar)	HYDRO STATIONS						PEAT STATIONS				COAL/OIL STATIONS				Total of all Generating Stations	Total supply Purchased	Total Generation and supply Purchased
	RIVER SHANNON	RIVER ERNE		RIVER LIFFEY							DUBLIN			CORK			
	Ardnacrusha	Cliff	Cathaleen's Fall	Pollaphuca	Golden Falls	Leixlip	Portarlington	Allenwood	Ferbane	Miltown Malbay	Pigeon House	North Wall	Ringsend	Marina			
April	9·779	2·014	4·839	2·360	0·881	1·327	13·377	21·418	—	—	7·569	6·960	24·103	35·118	129·745	0·222	129·967
May	4·093	0·949	2·070	1·256	0·479	0·687	9·534	14·204	—	—	13·919	12·019	20·384	37·661	117·255	0·162	117·417
June	5·312	0·825	2·060	0·357	0·127	0·178	10·557	12·188	—	—	8·945	11·628	23·404	34·995	110·576	0·159	110·735
July	10·502	4·350	10·781	0·386	0·131	0·168	11·230	13·655	—	—	0·154	12·644	35·490	10·950	110·441	0·225	110·666
August	28·177	8·036	20·079	1·046	0·392	0·689	10·476	12·300	—	—	—	4·643	15·804	7·902	109·544	0·296	109·840
September	38·311	7·478	18·780	2·923	1·020	1·695	9·378	15·777	—	—	—	6·699	10·437	8·214	120·712	0·358	121·070
October	36·296	7·159	18·711	1·330	0·479	0·945	13·235	18·583	—	—	0·636	7·082	22·086	17·780	144·322	0·423	144·745
November	31·080	4·723	12·438	1·452	0·517	0·991	12·944	20·811	—	0·064	2·234	12·299	33·077	25·675	158·305	0·433	158·738
December	44·822	9·450	23·793	3·195	1·105	1·741	9·203	15·199	—	—	—	8·496	26·295	23·858	167·157	0·433	167·590
January....	59·388	14·516	33·156	4·245	1·603	2·406	7·929	15·071	—	—	0·050	3·702	18·233	14·442	174·741	0·435	175·176
February	55·347	12·224	27·128	3·344	1·292	2·179	7·716	15·183	0·039	0·164	0·061	3·495	14·610	9·851	152·633	0·369	153·002
March	43·836	8·834	20·793	1·735	0·687	1·347	8·694	16·894	2·423	0·440	0·072	2·122	23·663	16·828	148·368	0·399	148·767
		80·558	194·628	23·629	8·713	14·353											
TOTALS	366·943	275·186		46·695			124·273	191·283	2·462	0·668	33·640	91·789	267·586	243·274	1,643·799	3·914	1,647·713

Performance of Generating Plant Year ended 31st March, 1957

(*a*) HYDRO-ELECTRIC STATIONS

Station	River	Total average inflow cbm/sec.	Water utilisation % *	Average water used at station cbm/sec.	Average water used per unit generated cbm	Rainfall at power station inches	Average available head metres	Installed capacity kW	Units sent out kWh x 10^6	Plant load factor %	Cost of Generation per unit sent out Pence
ARDNACRUSHA ...	Shannon	204·9	95·5†	181·1	15·57	47·27‡	28·14	85,000	363·576	49·3	0·259
CLIFF ...	Erne	97·9	99·36	92·9	36·35	46·20‡	11·86	20,000	79·828	46·0	0·393
CATHALEEN'S FALL	Erne	97·9	96·11	91·4	14·79	46·20‡	29·61	45,000	192·446	49·4	
POLLAPHUCA ...	Liffey	8·66	100	8·0	10·72	39·48	49·06	30,000	22·973	9·00	0·771
GOLDEN FALLS ...	Liffey	8·66	100	7·3	26·49	39·48	16·62	4,000	8·603	24·9	
LEIXLIP ...	Liffey	15·86	97·7	12·0	26·14	30·89	17·32	4,000	14·177	41·0	

* The percentage utilisation of the total discharge for power production is exclusive of river compensation water and, in the case of the River Liffey, the draw-off for the Dublin City water supply from Pollaphuca reservoir averaged 16·7 million gallons per day (0·88 cbm/sec.)

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

‡ Average of catchment area.

(*b*) STEAM STATIONS

Station	Location	Installed Capacity kW	Units Sent Out kWh x 10^6	Plant Load Factor %	Fuel Type	Total Fuel Used Tons	Total Fuel Cost £	Fuel Cost per Unit Sent Out pence
PORTARLINGTON	Co. Laoise ...	25,000	116·496	56·7	Sod Peat	148,300*	378,993	0·781
ALLENWOOD	Co. Kildare ...	40,000	178·746	54·6	Sod Peat	217,500*	632,994	0·850
FERBANE†	Co. Offaly ...	20,000	2·068	18·0	Milled Peat	—	—	—
MILTOWN-MALBAY† ...	Co. Clare ...	5,000	0·566	9·5	Sod Peat	—	—	—
NORTH WALL	Dublin	44,500	84·507	23·5	Oil	34,000	242,902	0·690
RINGSEND	Dublin	90,000	252·736	46·0	Coal Oil	20,900 69,600	634,950	0·603
MARINA	Cork	60,000	232·171	46·3	Coal Oil	14,300 67,100	623,323	0·644
PIGEON HOUSE‡ ...	Dublin	95,000	28·539	4·0	Coal	29,400	161,390	1·357

* Portarlington and Allenwood peat figures are for equivalent standard fuel of 30 per cent. moisture.
† Ferbane and Miltown-Malbay were in commission for the latter part of the year only.
‡ Pigeon House used only for stand-by and peak load operation.

Particulars of Generating Plant

(*a*) HYDRO-ELECTRIC STATIONS

Station	River	Catchment area km²	Average annual flow m³/sec	Average head m	Generating Sets No.	Generating Sets Capacity each kW	Type of turbine	Total capacity kW	Average annual output kWh x 10⁶	Remarks
ARDNACRUSHA ...	Shannon	10,400	194.4	28.3	3 1	20,000 25,000	Francis Kaplan	85,000	310	In commission.
POLLAPHUCA ...	Liffey	312	9.5	46.9	2	15,000	Kaplan	30,000	22	In commission.
GOLDEN FALLS ...	,,	312	9.5	17.4	1	4,000	Propellor	4,000	9	In commission.
LEIXLIP ...	,,	854	14.7	17.5	1	4,000	Kaplan	4,000	10	In commission.
CLIFF ...	Erne	3,950	102.1	10.0	2	10,000	Kaplan	20,000	85	In commission.
CATHALEEN'S FALL	,,	3,950	102.1	28.5	2	22,500	Kaplan	45,000	185	In commission.
CARRIGADROHID ...	Lee	610	18.2	13.55	1	8,000	Kaplan	8,000	17	Under construction.
INNISCARRA ...	,,	790	27.5	29.4	1 1	15,000 4,000	Kaplan Kaplan	19,000	51	Under construction.
CLADY ...	Clady	80	3.9	57.85	1	4,000	Francis	4,000	13	Under construction.

Particulars of Generating Plant *continued*

(*b*) STEAM STATIONS

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

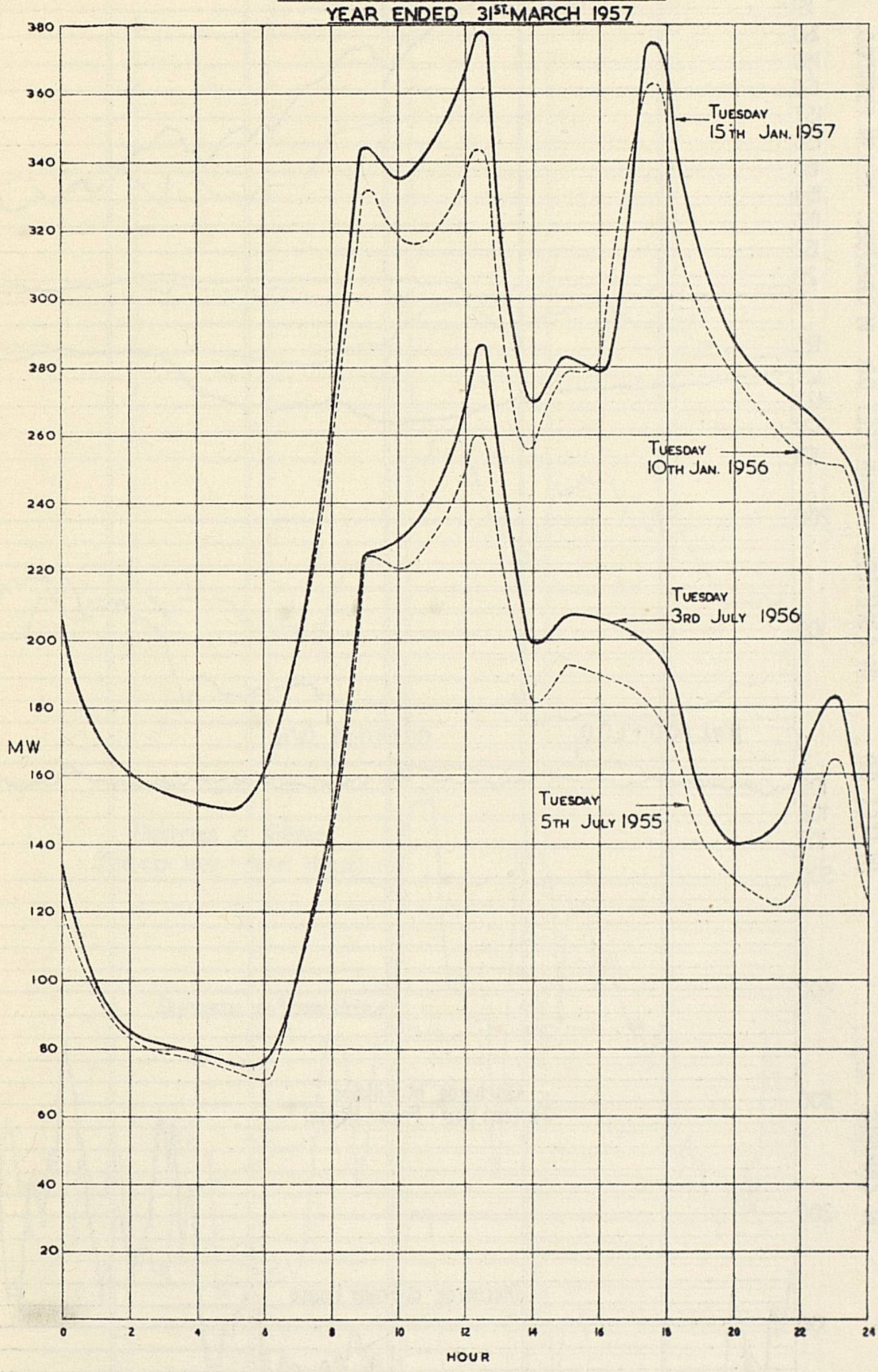
Particulars of Generating Plant *continued*

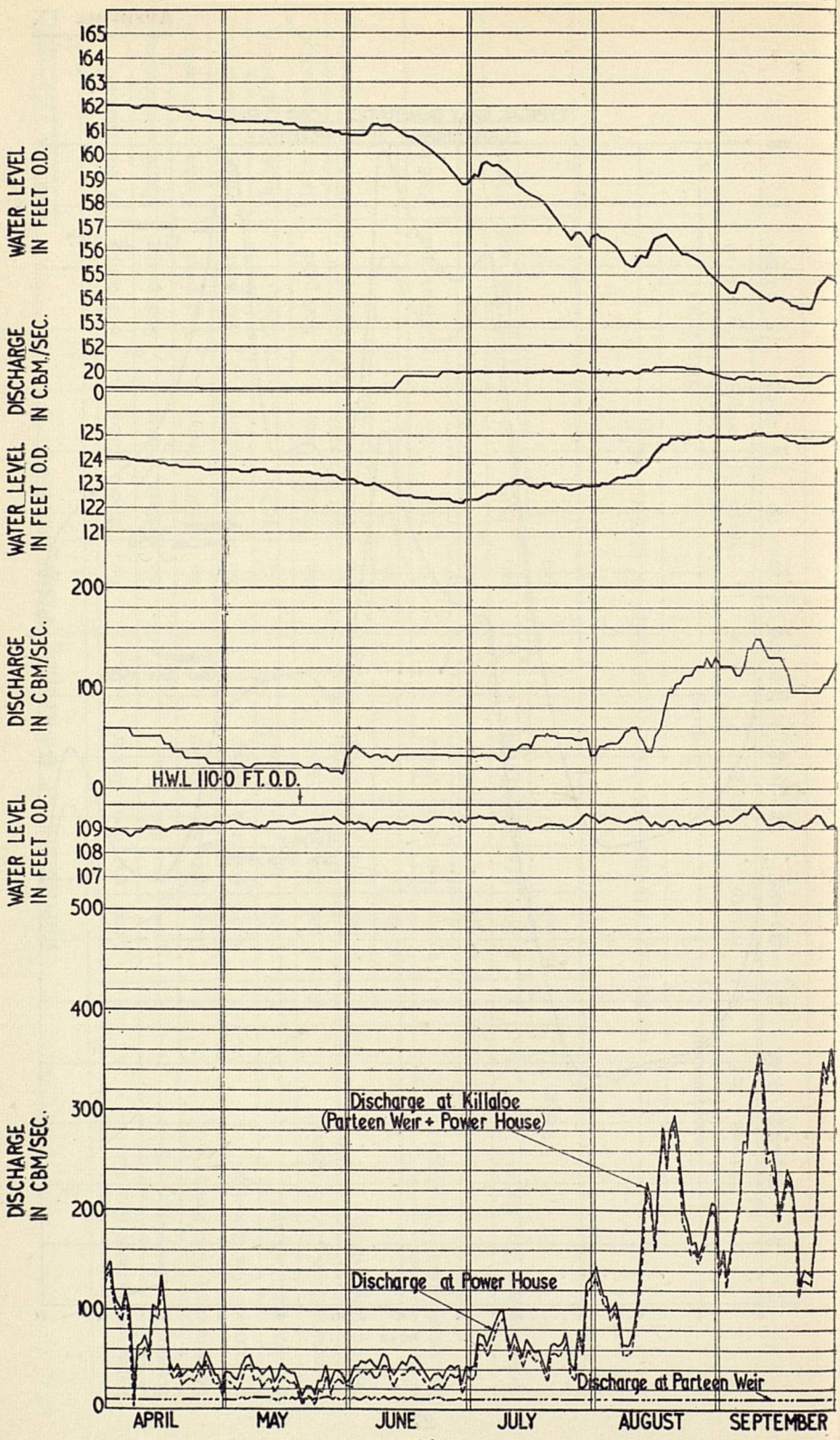
MILTOWN-MALBAY (Co. Clare) ...	1	5,000	400	800	Tower ...	1	60	Mech. stoker ...	Sod peat	In commission.
SCREEB (Co. Galway)	1	5,000	400	800	Sea ...	1	60	Mech. stoker ...	Sod peat	Under construction.
CAHIRCIVEEN (Co. Kerry)	1	5,000	400	800	Tower ...	1	60	Mech. stoker ...	Sod peat	Under construction.
GWEEDORE (Co. Donegal)	1	5,000	400	800	River ...	1	60	Mech. stoker ...	Sod peat	Under construction.
ARIGNA (Co. Leitrim)	1	15,000	400	800	Lake ...	1	165	P.F. ...	Coal ...	Under construction.
LANESBOROUGH (Co. Longford) ...	1	20,000	400	800	River ...	1	220	Mech. stoker ...	Sod peat	Under construction.
RHODE (Co. Offaly)	2	20,000	650	850	Tower ...	2	210	P.F. ...	Milled peat	Under construction.
TOTAL ...		40,000					420			
SHANNONBRIDGE (Co. Offaly) ...	2	20,000	650	850	River ...	2	210	P.F.	Milled peat	Planned.
TOTAL ...		40,000					420			
BELLACORICK (Co. Mayo)	3	20,000	650	850	Tower ...	2	210	P.F. ...	Milled peat	Planned.
TOTAL ...		60,000					420			

(*c*) TOTAL CAPACITY OF TRANSFORMERS IN COMMISSION

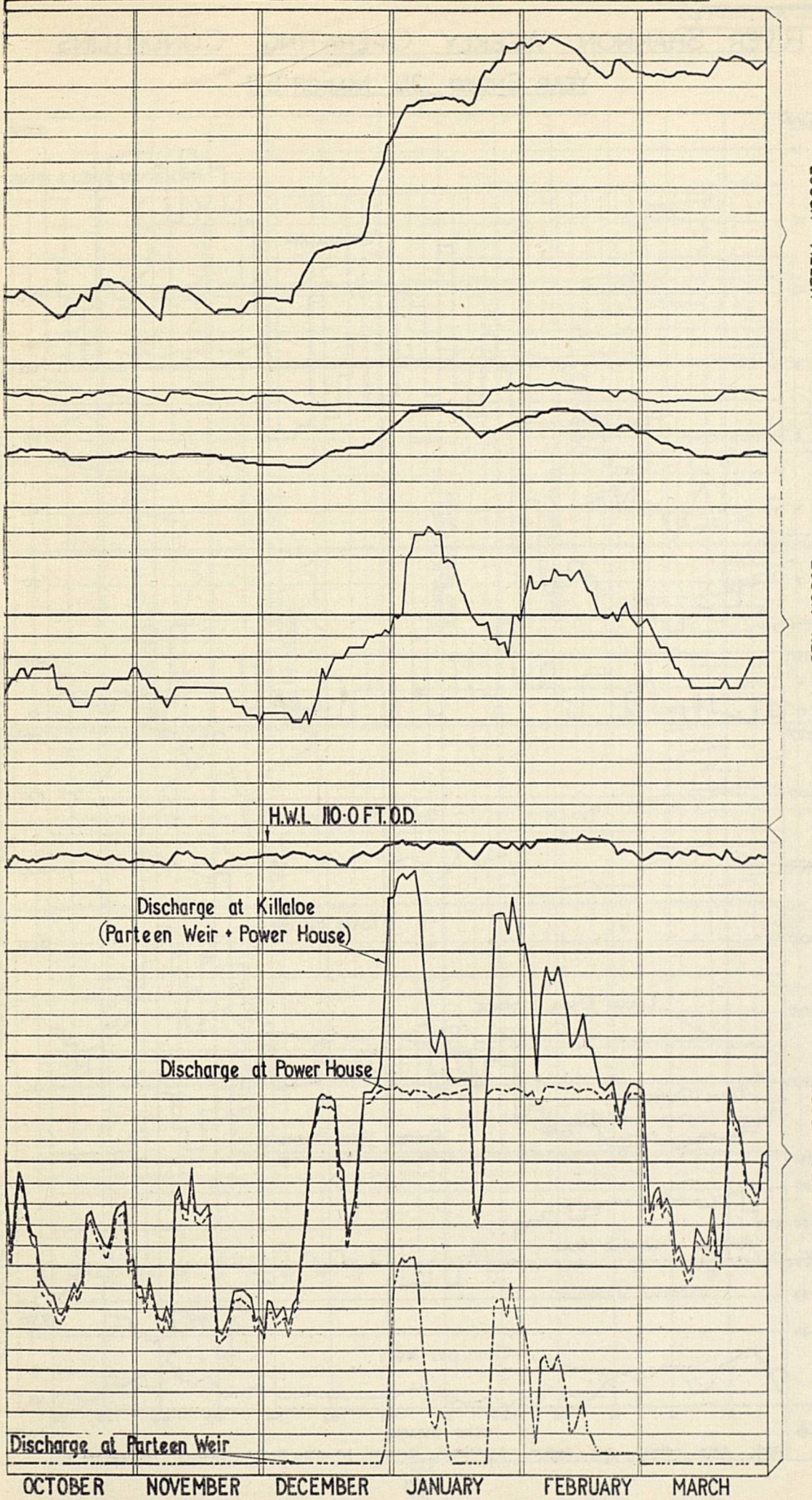
Transformation	Step up				Step down	
Voltage kV ...	10/110	10/38	5/38	38/110	110/38	110/10
Capacity kVA ...	430,000	173,400	110,000	90,0 00	15,000	40,000

TYPICAL DAILY GENERATION LOAD CURVES
YEAR ENDED 31ST MARCH 1957




WATER LEVELS & DISCHARGES OF LOUGHS ALLEN,
WATER LEVEL IN FEET O.D.
165
164
163
162
161
160
159
158
157
156
155
154
153
152
DISCHARGE IN C.B.M./SEC.
20
0
WATER LEVEL IN FEET O.D.
125
124
123
122
121
DISCHARGE IN CBM/SEC.
200
100
0
H.W.L 110·0 FT. O.D.
WATER LEVEL IN FEET O.D.
109
108
107
DISCHARGE IN CBM/SEC.
500
400
300
200
100
0
Discharge at Killaloe (Parteen Weir + Power House)
Discharge at Power House
Discharge at Parteen Weir
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER

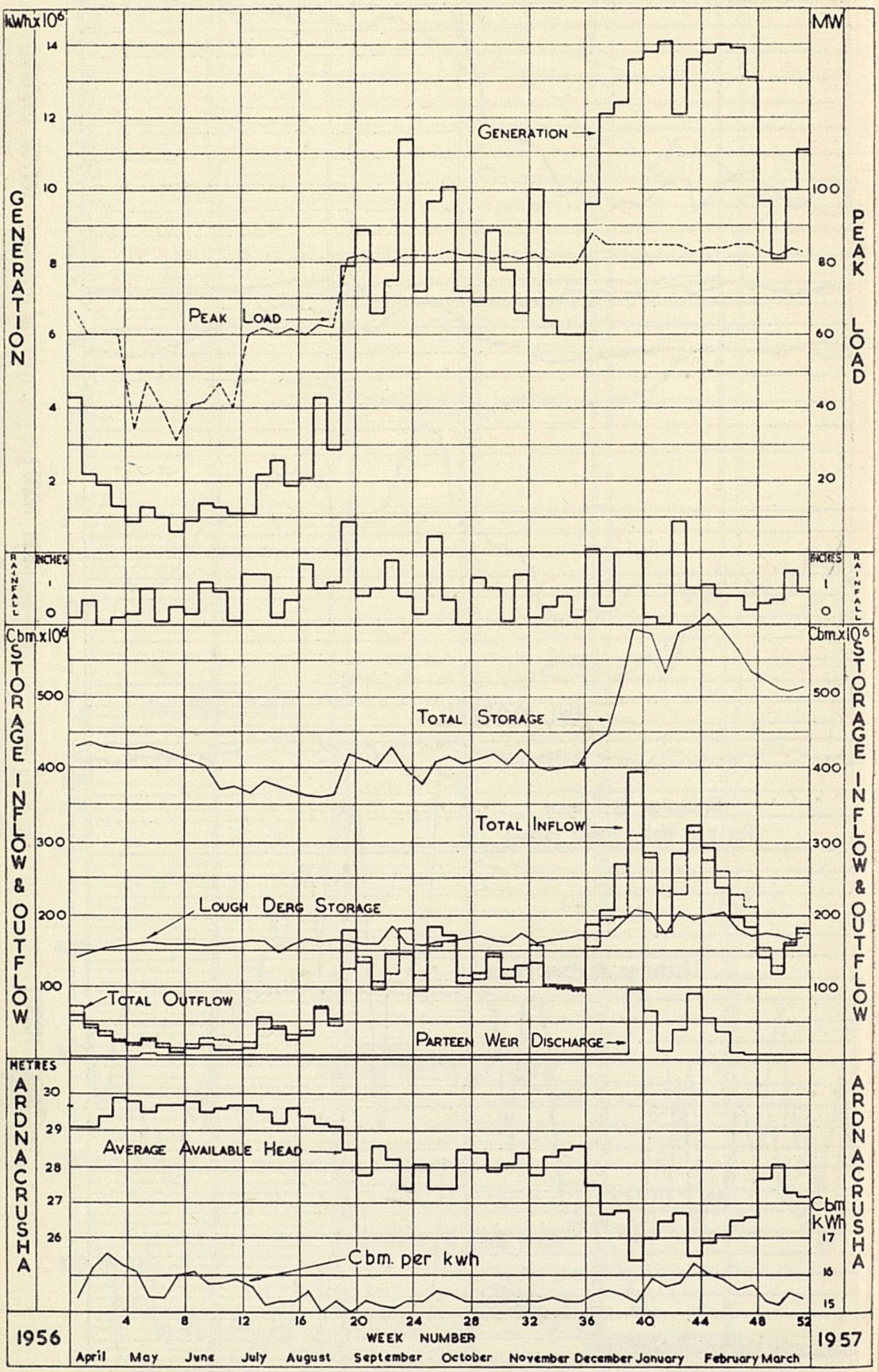
REE & DERG FOR YEAR ENDING 31ST MARCH 1957.

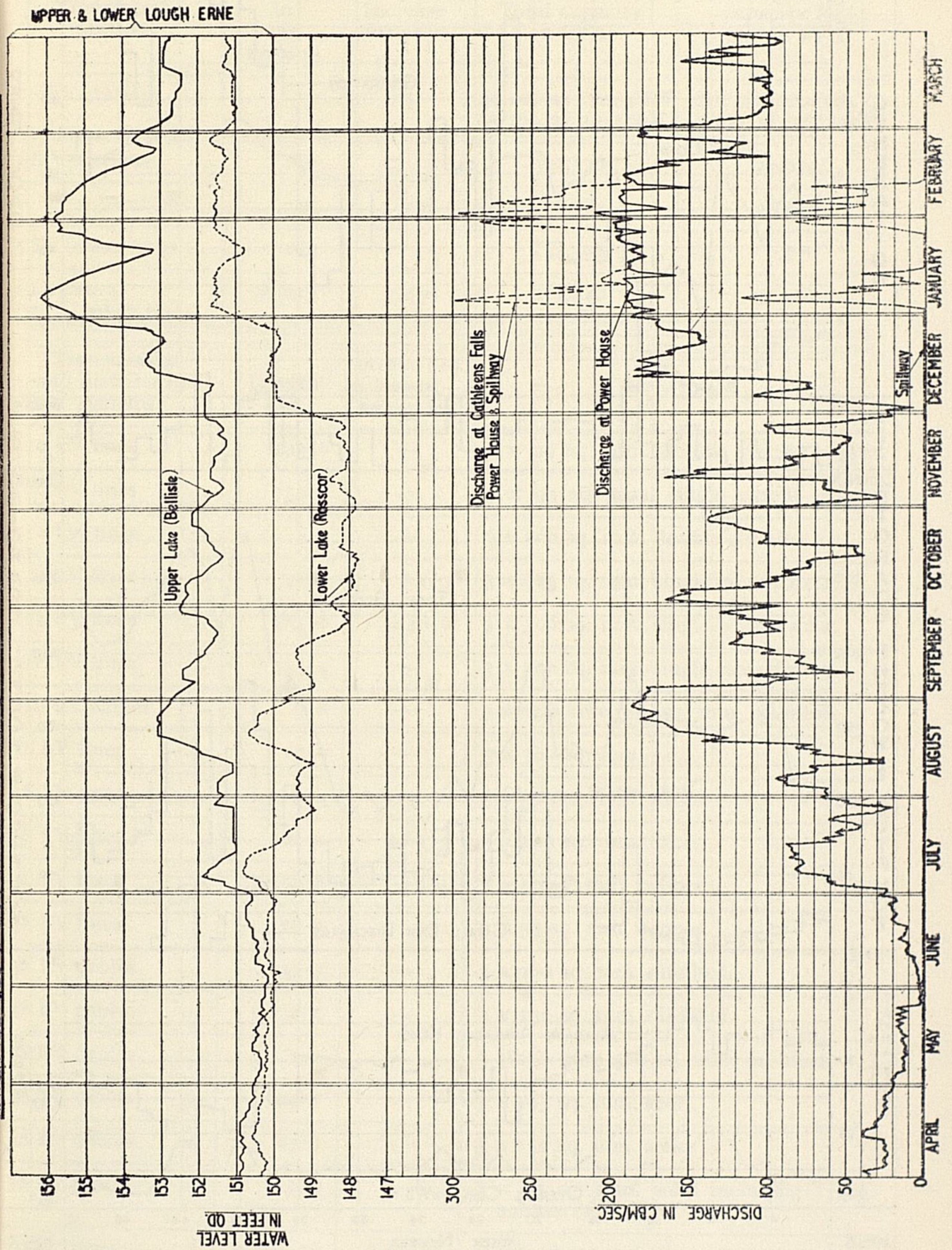


APPENDIX XI

RIVER SHANNON WEEKLY OPERATING CONDITIONS

YEAR ENDED 31st MARCH '57

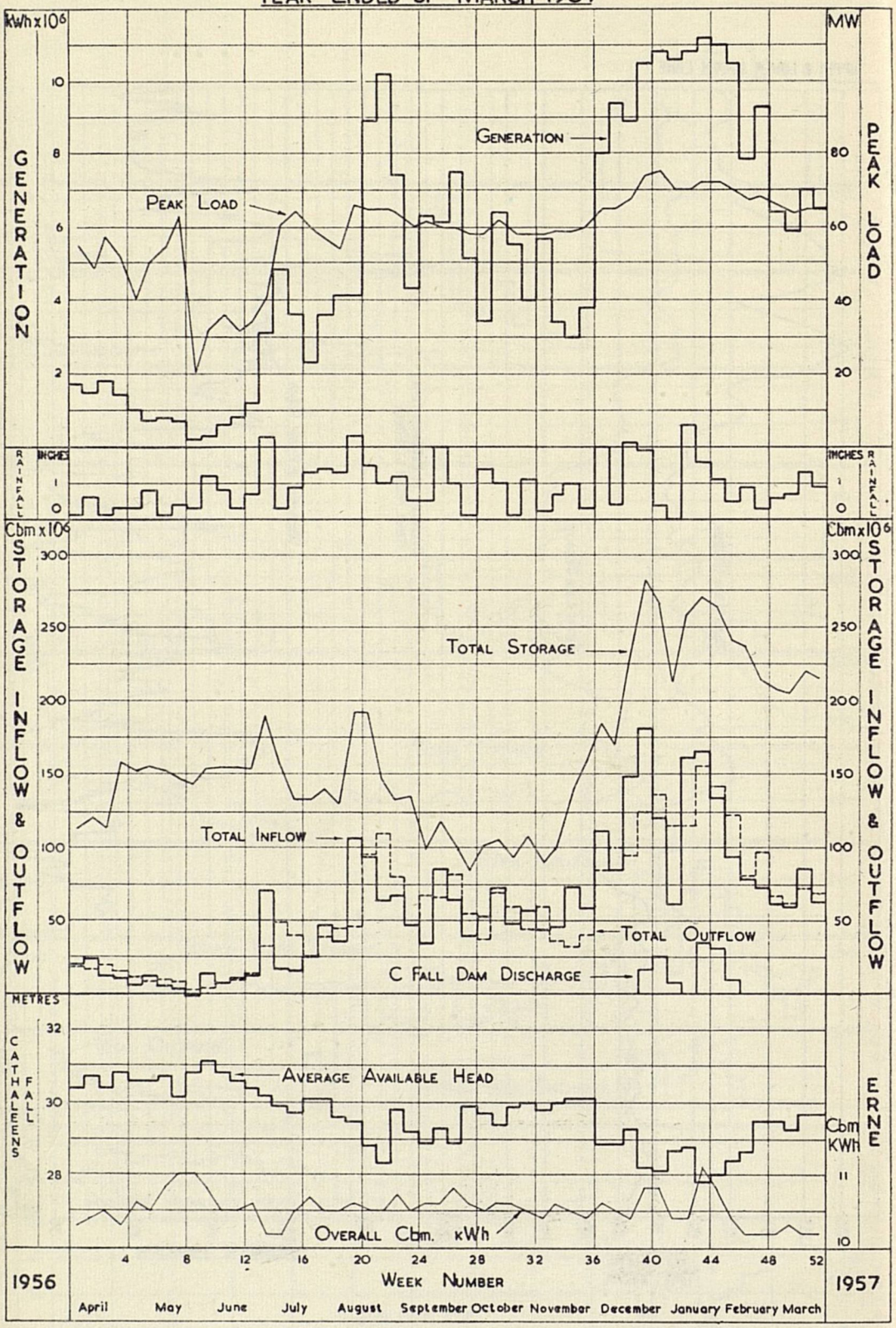



WATER LEVELS & DISCHARGES OF LOWER RIVER ERNE FOR YEAR ENDING 31ST. MARCH 1957.
UPPER & LOWER LOUGH ERNE
Upper Lake (Belllisle)
Lower Lake (Rosscor)
Discharge at Cathleens Falls Power House & Spillway
Discharge at Power House
Spillway
WATER LEVEL IN FEET OD.
DISCHARGE IN CBM/SEC.
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
JANUARY
FEBRUARY
MARCH

Appendix XIII

River Erne Weekly Operating Conditions

Year Ended 31st. March 1957



Transmission and Distribution Systems in Commission at 31st March, 1957

Transformer stations	Number in commission	Increase for year	Total capacity in kVA	Increase in capacity for year in kVA
110kV stations ...	15	Nil	540,000 at 110/38kV 59,200 at 38/10kV	Nil at 110/38kV 4,000 at 38/10kV
38kV stations ...	166	7	649,330	26,070
10 kv substations	3,725	101	486,287	28,832
5 kv substations ...	187	4	132,598	1,770
10 kv rural substations	39,023	7,849	217,846	39,768

Transmission and distribution systems	Length km.	Increase (+) or decrease(—) for year km.	Description
110 kV lines ...	192·6	—	6 x 95 sq. mm. double circuit copper.
110 kV lines ...	750·5	—	3 x 95 sq. mm. single circuit copper.
110 kv. lines ...	4·1	—	6 x 300 sq. mm. double circuit s.c.a.
110 kV lines ...	48·3	+1·2	3 x 425 sq. mm. single circuit s.c.a.
110 kV lines ...	414·6	+39·6	3 x 300 sq. mm. single circuit s.c.a.
110 kV lines ...	575·4	—	3 x 200 sq. mm. single circuit s.c.a.
110 kV cables ...	9·8	—	3 single core 325 sq. mm. oil-filled.
38 kV lines ...	15·6	—	3 x 300 sq. mm. s.c.a.
38 kV lines ...	2·4	—	3 x 200 sq. mm. s.c.a.
38 kV lines ...	482·1	+65·5	3 x 100 sq. mm. s.c.a.
38 kV lines ...	2,456·8	—0·4	3 x 50 sq. mm. copper.
38 kV lines ...	326·3	+0·2	3 x 35 sq. mm. copper.
38 kV cables ...	37·7	—	3 x 260 sq. mm. oil-filled.
38 kV cables ...	4·0	—	3 x 130 sq. mm. oil-filled.
38 kV cables ...	2·1	—	3 single core 260 sq. mm. oil-filled.
38 kV cables ...	69·1	—	3 x 185 sq. mm. solid.
38 kV cables ...	27·7	—	3 x 150 sq. mm. solid.
38 kV cables ...	1·5	—	3 x 95 sq. mm. solid including 1 km. submarine.
10 kV lines ...	5,309·18	+36·88	Single phase and three phase.
10 kV cables ...	681·28	+21·08	3 x 10 to 3 x 185 sq. mm.
5 kV cables ...	240·4	—0·2	3 x 10 to 3 x 185 sq. mm.
3·3 kV cables ...	3·7	—	3 x 185 sq. mm.
10 kV and L.T. rural lines ...	51,581	+8,286	Single and three phase.

Permitted Electricity Undertakings at 31st March 1957

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

(1) Town	(2) Population (1951)	(3) Name of undertaker	(4) Type of generator	(5) No. of consumers	(6) Normal Tariffs per unit for			(7) Units sold, year ended 31st March, 1957
					Lighting	Heating and cooking	Power	
Ballysodare, Co. Sligo ...	153	W. G. & T. Pollexfen, Ltd. ...	H	61	7½d.	3d.	3d.	77,322
Boyle, Co. Roscommon ...	1,934	John Stewart	H & O	547	Miscellaneous 3d. to ½d. per unit 4d. to 7d.	1½d. to 2d.	3d.	582,944
Collooney , Co. Sligo ...	364	W. A. G. Middleton, Ltd. ...	H	137	8½d.	3d.	3d.	89,582
Drumkeeran, Co. Leitrim	174	The Drumkeeran Electricity Supply Co., Ltd.	O	47	1/4	—	—	5,380 est.
Dromahair, Co. Leitrim	262	Paul Jeiter	H	60	9d.	3d.	3d.	23,514

(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, 1957
					Lighting	Heating and cooking	Power	
Glendalough, Co. Wicklow	—	Messrs. Wynne	H	17	Included in rent		—	127,747
Kenmare, Co. Kerry ...	907	Kenmare Electric Supply Co. ...	H & O	288	6d. to 10d.	2d. to 4d.	3d. to 4d.	163,530
Malin, Co. Donegal ...	100	Matthew O'Doherty	O	52	1/3	6d.	6d.	9,080
Moville, Co. Donegal ...	969	The Moville Electric Supply Co. ...	H & O	315	9d. to 10d.	—	3d. to 4d.	141,400
Pettigo, Co. Donegal ...	243	Shaw Bros.	O	97	1/–	—	—	11,582
Various Districts ...	—	Great Northern Railway Board	O	52	2d. to 1/–	2d. and 2·2d.	2d. to 3.3d.	5,805

Total number of undertakings, 12 ; total population, 5,106 ; total number of consumers, 1,673 ; units sold approximately, 1,290,134

Note : A permit has also been issued in one case where the number of consumers is three or under : this undertaking is not shown above.

Appendix XVI

GENERAL EMPLOYEES' TRIBUNAL

REPORT OF PROCEEDINGS IN THE YEAR ENDED 31st MARCH, 1957

In the year ended 31st March, 1957, the Tribunal dealt with eleven disputes under Section 5 of the Electricity (Supply) (Amendment) Act, 1949. The disputes were as follows:—

(1) A claim by an officer for increased remuneration. The claim was rejected.

(2) A claim by an officer for reduced hours of duty or, overtime payment in respect of the extra hours worked. The Tribunal recommended the acceptance by the claimant of the reduced hours of duty offered by the Board.

(3) A claim for the application of a special increment above the maximum of Grade VIII for (i) technical assistants; (ii) supervisors; (iii) draughtsman; (iv) salesmen; (v) station operators; (vi) canvassers; and (vii) certain clerical staff.

The claim on behalf of the categories under (i), (ii), (iii) and (iv) was withdrawn in the course of the hearing; the claim under (v) was referred back for further examination; the claim under (vi) was rejected. The Tribunal recommended further consideration by the Board of the cases under (vii).

(4) A claim by the assistant supervisors in Dublin No. 1 District for the Board's standard fixed motor car allowance. The Tribunal recommended acceptance by the claimants of an offer by the Board to provide special transport for the period when on "on call" duty.

(5) A claim by an officer for compensation for loss of opportunity and earnings. The claim was rejected.

(6) A claim by the District Accountants in line districts that the allowances paid during the rural development programme should not be terminated in view of the increasing and continuing responsibilities. The Tribunal decided that, on completion of the construction period, a special allowance be substituted for the allowance previousy paid.

(7) Claims by an officer for (i) mileage allowance in respect of the use of a car on Board's business and (ii) a reduction in the sales quota for commission purposes. The Tribunal rejected the claims but decided that a fixed annual amount be allowed for travelling expenses.

(8) A claim by an officer that promotion to a higher grade resulted in a financial loss by reason of the discontinuance of a former allowance together with the effect of income tax and superannuation deductions. The Tribunal decided that in the circumstances a special allowance be granted.

(9) A claim for remuneration similar to that accorded to other senior officers holding similar positions in the Board's organisation, The Tribunal accepted the general principle of the claim but on the evidence tendered, decided that no change in the remuneration was warranted.

(10) A claim by the deputy heads of engineering departments for transfer to the next higher grade. The Tribunal decided that the person who acts as deputy to the Head of a Department should be given some recognition in remuneration. The Tribunal recommended a review by the Board accordingly.

(11) A claim by an officer for an allowance for shift work. The Tribunal decided that the grading applicable was inclusive of shift allowance but on the evidence adduced decided to award a personal allowance.

Nine disputes were being investigated at the close of the year and three disputes were withdrawn.

Tribunal Membership.

Under the provisions of Section 3 of the Electricity (Supply) (Amendment) Act, 1949, the five year term of office of the member of the Tribunal nominated by the Board expired on the 17th March, 1957. Mr. R. F. Browne, Chairman of the Electricity Supply Board, was appointed by the Board for a further term.

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

M. R. BLAIR, *Member.*

R. F. BROWNE, *Member.*

(Signed) J. A. QUINN, *Secretary.*
Date: 13*th May*, 1957.

APPENDIX XVII

MANUAL WORKERS' TRIBUNAL

REPORT OF PROCEEDINGS IN THE YEAR ENDED 31st MARCH 1957

In the year ended the 31st March, 1957, the Tribunal dealt with fourteen industrial disputes and one claim in regard to superannuation.

The industrial disputes were as follows:—

(1) A claim by the Electrical Trades Union (Ireland) that the ungraded station operators in North Wall Generating Station should be appointed to the graded staff in at least the same grade as the operators in Marina Generating Station. The Tribunal decided that the evidence submitted was insufficient to justify the claim.

(2) A two-part claim by the Electrical Trades Union (Ireland) for (1) an increase in rate on completion of five years service, and (2) an increase on the existing rates. Increased pay was allowed to electricians with five years continuous service in Generating Stations.

(3) A claim by the Amalgamated Transport & General Workers' Union in regard to the remuneration of certain line supervisors, Dublin No. 2 District. The Tribunal decided to grant an increase.

(4) A claim by the Amalgamated Transport & General Workers' Union in regard to the remuneration of ungraded station operators in Bedford Row, Inchicore and Kilbarry Stations. The Tribunal decided that an increase in pay should be granted to ungraded station operators in Bedford Row.

(5) A claim by the Electrical Trades Union (Ireland) in regard to the rate of pay and annual leave allowance of installation inspectors, Dublin No. 1 District. The Tribunal rejected the claim but recommended that the Board should have further discussion with the Union concerning the rate of pay.

(6) A claim by the Irish Engineering & Foundry Union, the Irish Engineering Industrial & Electrical Trades Union, the Amalgamated Transport & General Workers' Union and the Workers' Union of Ireland in regard to the rates of pay for the semi-skilled workers at Marina, Portarlington and Allenwood Generating Stations. The claim was rejected.

(7) A claim by the Irish Engineering Industrial & Electrical Trades Union in regard to the working of emergency duty by mechanical fitters employed in Portarlington Generating Station. The Tribunal directed that the Union and the Board should meet and examine the measure of the payment for work between midnight and 6 a.m.

(8) A claim by the Amalgamated Transport & General Workers' Union on behalf of a member that he should be paid the first-class mechanics' rate of pay. The claim was allowed.

(9) A claim by the Amalgamated Transport & General Workers' Union and the Irish Engineering & Foundry Union in regard to the payments made to two semi-skilled workmen, arising out of the commutation of "walking time" at Pigeon House in 1954. The Tribunal decided that it would not be justified in upsetting an agreement freely entered into between the Board and the Unions.

(10) A claim by the Amalgamated Transport & General Workers' Union, the Irish Engineering Industrial & Electrical Trades Union and the Irish Engineerng & Foundry Union for an increased rate of pay for riggers at Pigeon House and Ringsend Generating Stations. An increased rate of pay was allowed.

(11) A claim by the Electrical Trades Union (Ireland) and the Amalgamated Transport & General Workers' Union in regard to the remuneration of full-time meter reader/collectors and disconnecting electricians. The Tribunal rejected the claim but decided to increase the maximum of the scale.

(12) A claim by the Amalgamated Transport & General Workers' Union in regard to the remuneration of minor clerks and adult messengers. The Tribunal rejected the claim but decided to increase the maximum of Scale A.

(13) A claim by the Ancient Guild of Incorporated Brick and Stonelayers' Trade Union in regard to the "dirty money" allowance for certain bricklayers employed in Pigeon House Generating Station when required to work in Ringsend Generating Station. The claim was allowed.

(14) A claim by the Amalgamated Transport & General Workers' Union on behalf of a member that he should be paid Class II Linesman's rate of pay when engaged on check readings of rural consumers' meters. The claim was referred back to the Board and the Union for re-consideration.

The superannuation claim under Section 13 of the Electricity Supply Board (Superannuation) Act, 1942, was by a general employee that he should be granted "excluded" status. The claim was allowed.

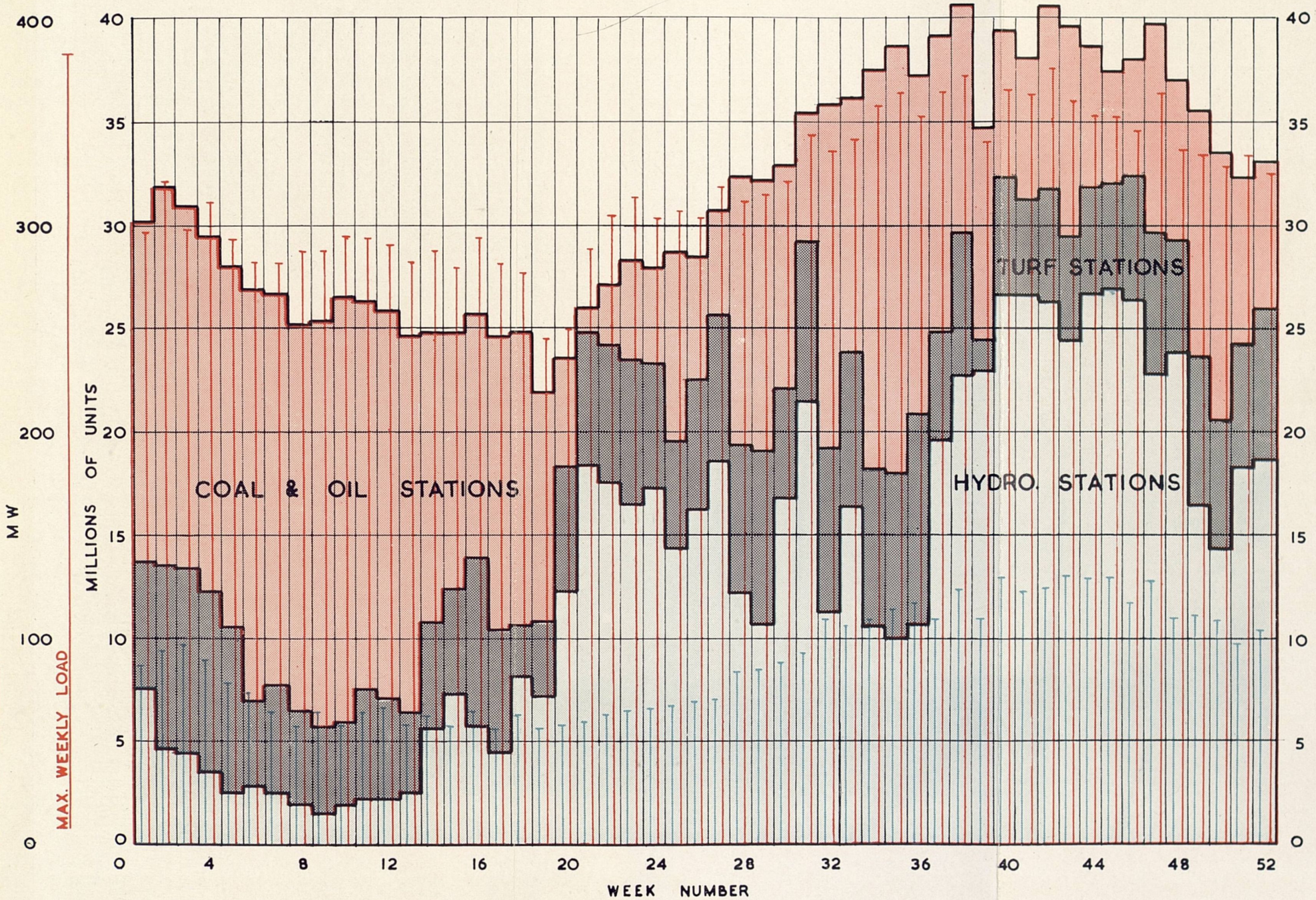
Arising out of applications made by members of the General Employees' Superannuation Scheme for a review, because of increase in the cost of living, of the Tribunal Pension Awards, the Tribunal decided that the Awards should be revised.

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

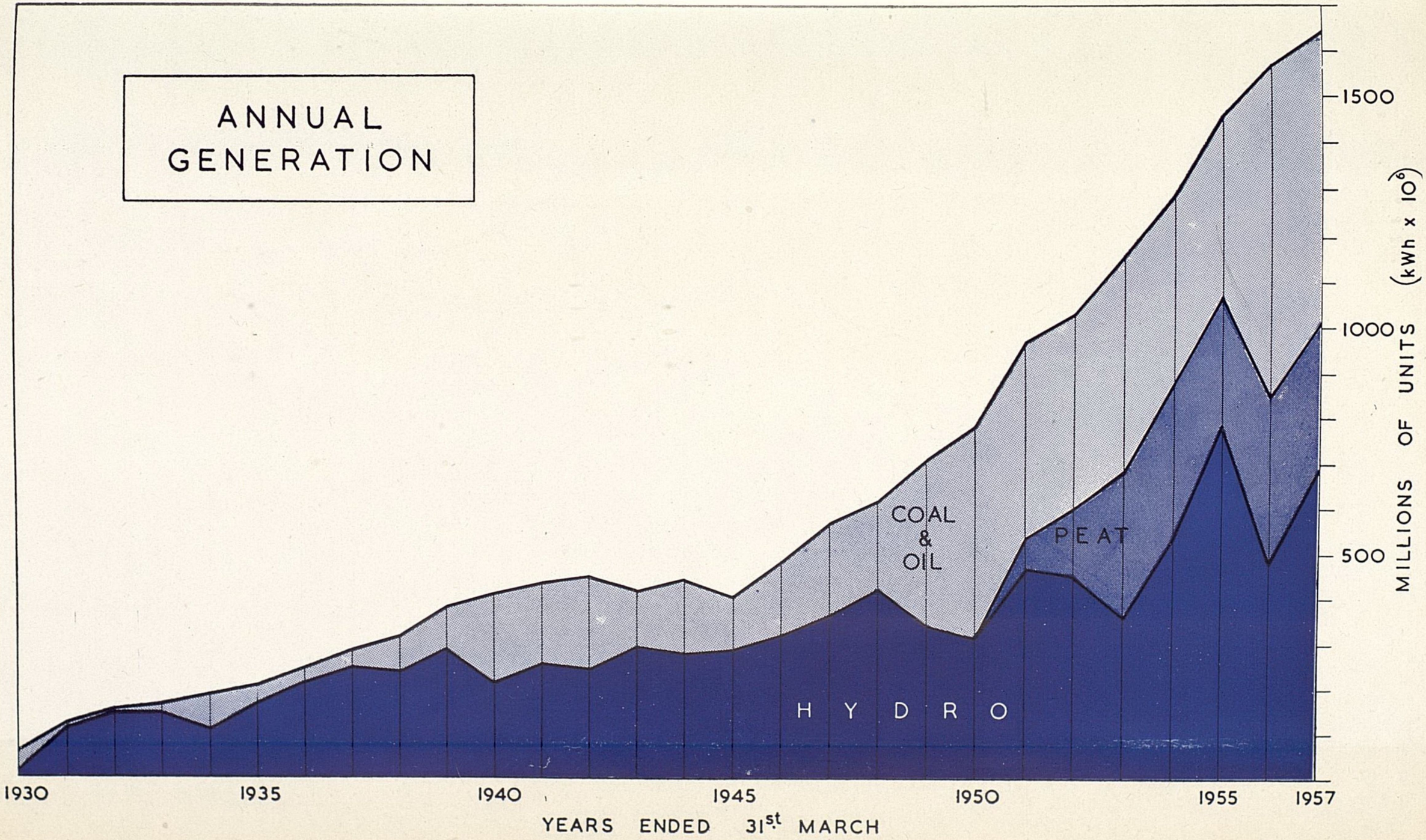
(Signed) J. J. O'LEARY, *Chairman.*
R. F. BROWNE, *Member.*
GILBERT LYNCH, *Member.*

(Signed) C. DOWLING, *Secretary.*
Date: *9th May*, 1957.

WEEKLY GENERATION AND PEAK LOAD
YEAR ENDED 31ST MARCH 1957.



ANNUAL GENERATION

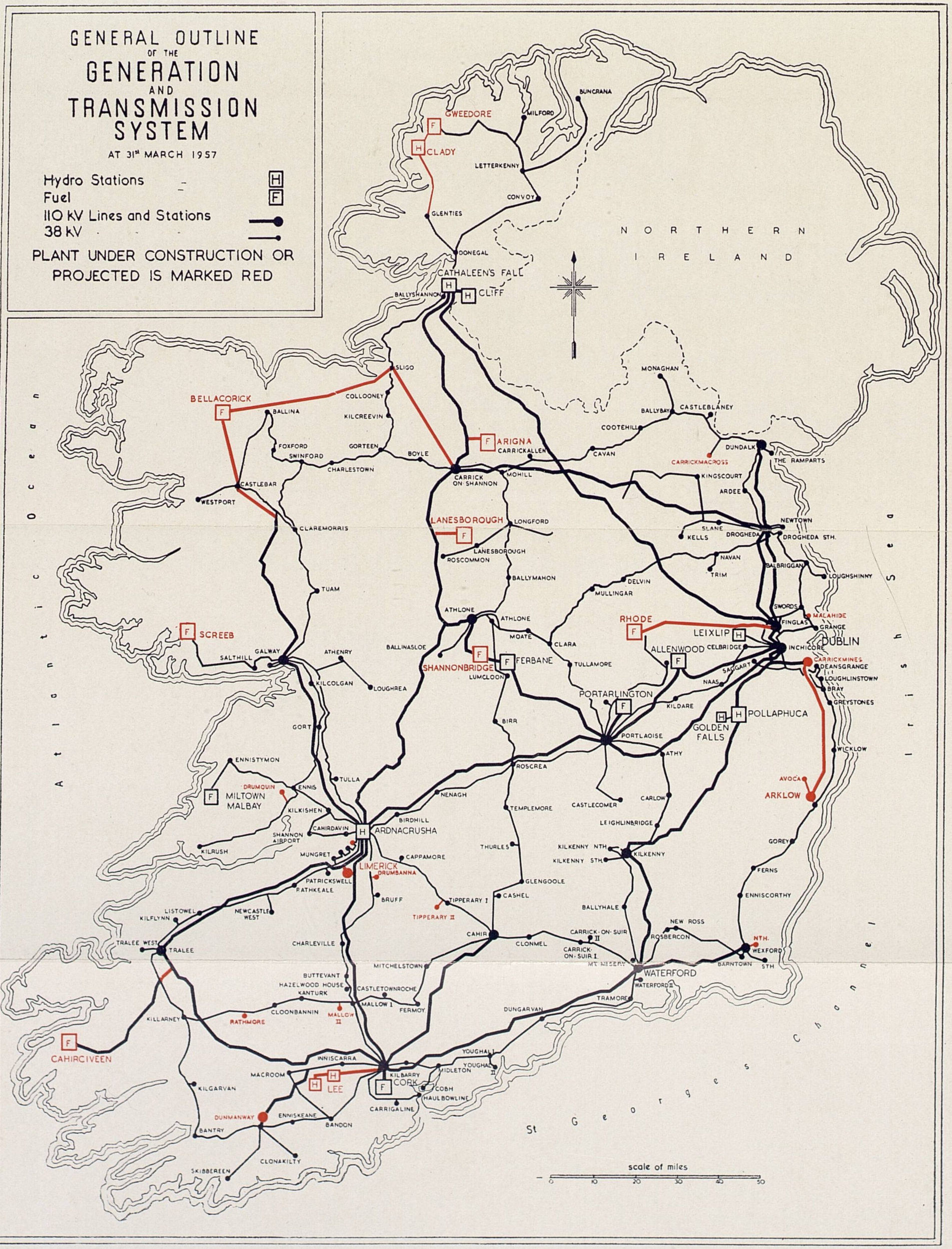


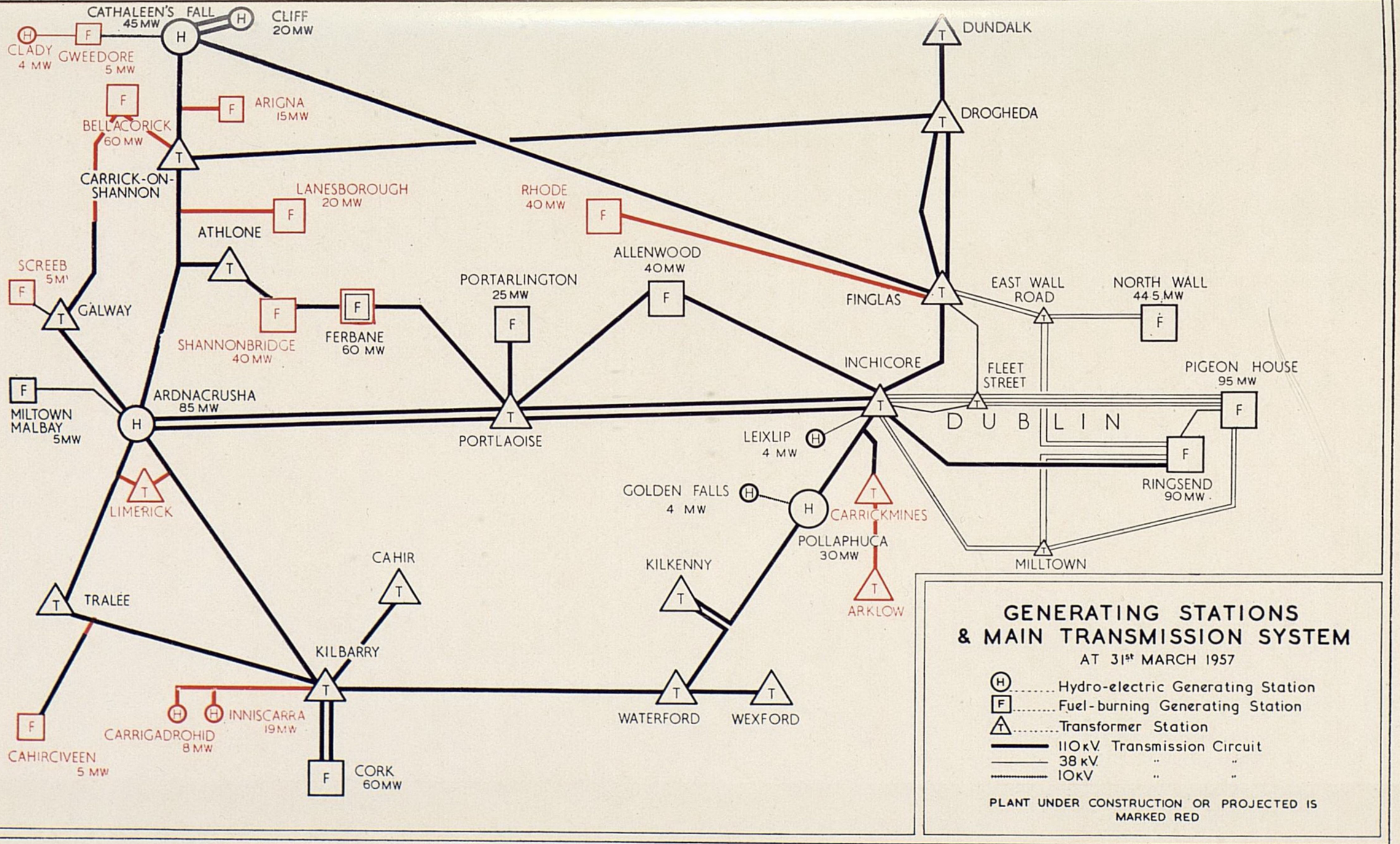
GENERAL OUTLINE OF THE GENERATION AND TRANSMISSION SYSTEM

AT 31st MARCH 1957

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

PLANT UNDER CONSTRUCTION OR PROJECTED IS MARKED RED





GENERATING STATIONS & MAIN TRANSMISSION SYSTEM

AT 31st MARCH 1957

(H) ..... Hydro-electric Generating Station

[F] ..... Fuel-burning Generating Station

△T ..... Transformer Station

110 kV. Transmission Circuit

38 kV. " "

10 kV " "

PLANT UNDER CONSTRUCTION OR PROJECTED IS MARKED RED

ACCOUNTS

No. 1. ELECTRICITY PRODUCTION ACCOUNT FOR

	1 Fuel £	2 Operating Expenses £	3 Maintenance and Repair £	4 Supervision and Local Administration £
GENERATION				
Coal/Oil				
North Wall ...	242,902	42,282	29,240	17,584
Marina	623,323	27,061	30,137	32,578
Ringsend	634,950	49,091	17,596	19,700
Sod Peat (Machine)				
Portarlington ...	378,993	34,166	50,283	14,335
Allenwood ...	632,994	40,032	38,289	19,245
Milled Peat				
Ferbane	6,679	1,696	28	928
Sod Peat (Hand-won)				
Milltown Malbay ...	3,802	1,601	452	—
Stand-by				
Pigeon House ...	161,390	65,331	61,339	41,377
Total—Fuel Stations ...	2,685,033	261,260	227,364	145,747
Hydro				
Shannon	—	33,496	34,921	39,275
Erne	—	18,824	21,926	26,177
Liffey	—	12,327	12,698	12,939
Total—Hydro Stations	—	64,647	69,545	78,391
Total—All Stations ...	2,685,033	325,907	296,909	224,138
TRANSMISSION	—	47,743	151,021	60,208
ELECTRICITY purchased in bulk and other expenditure attributable to generation	—	—	—	—
	2,685,033	373,650	447,930	284,346

*New Stations recently commissioned and undergoing test.

THE YEAR ENDED 31st MARCH, 1957.

5			6	7	8	TOTAL			
						1956/57		1955/56	
(1—4)	Per Unit Sent Out (Pence)		Depreciation and Renewals	Interest	Capital Repayments		Per Unit Sent Out (Pence)		Per Unit Sent Out (Pence)
£	1956/57	1955/56	£	£	£	£		£	
332,008	·944	·729	72,000	74,195	18,289	496,492	1·412	639,161	·960
713,099	·737	·565	113,000	128,697	31,724	986,520	1·020	961,727	·774
721,337	·685	·558	173,000	219,524	54,112	1,167,973	1·109	554,579	1·005
1,766,444	*·745*	*·608*				*2,650,985*	*1·118*	*2,155,467*	*·876*
477,777	·986	·913	50,000	53,612	13,215	594,604	1·227	594,740	1·120
730,560	·983	1·021	81,000	87,912	21,670	921,142	1·239	1,067,493	1·227
1,208,337	*·984*	*·980*				*1,515,746*	*1·234*	*1,662,233*	*1·186*
9,331	*	—	—	—	—	9,331	*	—	—
5,855	*	—	—	—	—	5,855	*	—	—
329,437	—	—	74,000	73,334	18,077	494,848	—	724,876	—
3,319,404	·890	·816	563,000	637,274	157,087	4,676,765	1·254	4,542,576	1·078
107,692	·071	·115	49,000	187,220	46,150	390,062	·259	378,536	·363
66,927	·059	·092	86,000	233,880	57,651	444,458	·393	384,436	·464
37,964	·200	·340	26,000	66,244	16,329	146,537	·771	140,956	1·173
212,583	·075	·119	161,000	487,344	120,130	981,057	·347	903,928	·454
3,531,987	·539	·592	724,000	1,124,618	277,217	5,657,822	·863	5,446,504	·878
—	—	—	358,000	425,342	104,830	1,147,144	—	1,029,098	—
—	—	—	—	—	—	12,467	—	12,104	—
—	—	—	1,082,000	1,549,960	382,047				
				Total Production Cost ...		6,817,433		6,487,706	
				Transferred to Revenue Accounts :				5,345,928	
				Non-rural ...	5,433,999				
				Rural ...	1,383,434			1,141,778	
						6,817,433		6,487,706	

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

Dr.

	£	£	1955/56 £
To Electricity Production Account		5,433,999	5,345,928
„ Distribution Charges :			
Operating expenses	414,445		
Maintenance and repair ...	290,627		
Reserve for depreciation and renewals	407,000		
Interest	457,111		
Capital repayments	112,070		
Supervision and local administration	509,461		
		2,190,714	2,024,752
„ General Administration :			
Salaries and Wages	515,220		
Travelling expenses	23,345		
Stationery	13,349		
Telephones and postage ...	12,904		
Lighting and heating	12,692		
Rents and rates	11,558		
Insurance	35,735		
Professional fees	11,968		
Audit fee	2,000		
Publicity	52,947		
Tools	5,922		
Maintenance of office buildings and equipment	42,228		
Staff training	20,396		
Pensions	59,497		
Medical benefits	1,382		
Capital charges—general assets ...	175,589		
Provision for bad debts	17,637		
Sundry expenses	3,125		
	1,017,494		
Less : apportionments charged to :			
Rural Revenue Account ...	237,340		
Capital works and other accounts	70,041		
		710,113	577,328
„ Balance carried to Profit and Loss Account		367,863	214,090
		£8,702,689	£8,162,098

FOR THE YEAR ENDED 31st MARCH, 1957.

Cr.

		£	£	1955/56 £
By Charges for Electricity :				
General consumers	...	8,320,374		
Public lighting	...	... 266,996		
Meter and other rents		... 115,319		
			8,702,689	8,162,098
			£8,702,689	£8,162,098

No. 3.
Dr.

ELECTRICITY (RURAL) REVENUE ACCOUNT

	£	£	1955/56 £
To Electricity Production Account... ...		1,383,434	1,141,778
„ Distribution Charges :			
Operating expenses	51,860		
Maintenance and repair ...	152,993		
Reserve for depreciation and renewals	480,000		
Interest	702,985		
Capital repayments	118,235		
Supervision and local administration	217,198		
		1,723,271	1,158,264
„ General Administration		237,340	149,168
		£3,344,045	£2,449,210

No. 4.
Dr.

ELECTRICITY PROFIT AND LOSS ACCOUNT

	£	£	1955/56 £
To Interest payable to Minister for Finance	2,542,924		
„ Interest on E.S.B. 5% Stock ...	498,125		
„ Stock management and transfer charges	14,234		
„ Other interest	403,049		
		3,458,332	2,841,791
„ Reserves :			
Capital advances from the Minister for Finance repaid	485,080		
Sinking fund provision applied in redemption of E.S.B. 5% Stock 1966/75	151,875		
		636,955	438,700
		£4,095,287	£3,280,491
To Balance transferred from Rural Revenue Account		491,645	146,500
„ Balance, carried to Net Revenue Account ...		1,891	184,523
		£493,536	£331,023

FOR THE YEAR ENDED 31st MARCH, 1957.

Cr.

	£	£	1955/56 £
By CHARGES FOR ELECTRICITY :			
General consumers ...	2,814,273		
Public lighting	20,783		
Meter and other rents	17,344		
		2,852,400	2,302,710
,, BALANCE, carried to Profit and Loss Account ...		491,645	146,500
		£3,344,045	£2,449,210

FOR THE YEAR ENDED 31st MARCH, 1957.

Cr.

	£	£	1955/56 £
By Production Account :			
Interest	...1,549,960		
Capital repayments ...	... 382,047		
		1,932,007	1,594,244
,, Non-rural Revenue Account :			
Interest	... 457,111		
Capital repayments ...	... 112,070		
		569,181	481,741
,, Rural Revenue Account :			
Interest	... 702,985		
Capital repayments ...	... 118,235		
		821,220	518,113
,, Administration :			
Interest	... 107,986		
Capital repayments ...	... 24,603		
		132,589	98,096
,, Installations Account :			
Interest		9,400	8,600
,, Merchandise Sales Account :			
Interest		5,300	3,700
,, Capital Works :			
Interest		625,590	575,997
		£4,095,287	£3,280,491
By Balance transferred from Non-rural Revenue Account :		367,863	214,090
,, Miscellaneous revenue		46,665	50,560
,, Interest receivable		79,008	66,373
		£493,536	£331,023

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

			1955/56
	£	£	£
To Cost value of work for which credit had not been taken at 31st March, 1956		58,704	67,931
„ Cost of installation work carried out during the year		306,434	293,997
„ Gross profit, carried down		64,408	68,522
		£429,546	£430,450
To Salaries, wages and State insurance	£ 28,120		
„ Travelling expenses	3,144		
„ Rents and rates	390		
„ Sundry expenses	3,084		
„ General overhead expenses and interest, as apportioned	18,452		
		53,190	53,159
„ Balance, carried to Net Revenue Account		11,218	15,363
		£64,408	£68,522

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

			1955/56
	£	£	£
To Cost of goods sold		465,693	642,877
„ Direct costs in connection with sales		41,353	38,787
„ Gross profit, carried down		108,912	183,775
		£615,958	£865,439
To Salaries, wages, commission and State insurance	£ 46,263		
„ Travelling expenses	2,652		
„ General publicity	30,123		
„ Rents and rates	1,619		
„ Sundry expenses	9,467		
„ General overhead expenses and interest, as apportioned	23,170		
		113,294	128,799
„ Net profit, carried down		—	54,976
		£113,294	£183,775
To Net loss, brought down		4,382	—
„ Net profit on hire purchase sales not realised at 31st March, 1957		56,329	97,786
„ Balance, carried to Net Revenue Account		37,075	44,643
		£97,786	£142,429

THE YEAR ENDED 31st MARCH, 1957.

Cr.

		1955/56
	£	£
By Credit taken for contracts completed and charged	355,125	371,746
,, Cost value of work for which credit has not yet been taken	74,421	58,704
	£429,546	£430,450
By Gross profit, brought down	64,408	68,522
	£64,408	£68,522

THE YEAR ENDED 31st MARCH, 1957.

Cr.

		1955/56
	£	£
By Sales	615,958	865,439
	£615,958	£865,439
By Gross profit, brought down	108,912	183,775
,, Net loss, carried down	4,382	—
	£113,294	£183,775
By Net profit, brought down	—	54,976
,, Net profit on hire purchase sales not realised at 31st March, 1956	97,786	87,453
	£97,786	£142,429

No. 7. **ELECTRICITY NET REVENUE ACCOUNT**

Dr.

		1955/56
	£	£
To Balance, carried down	50,184	244,529
	£50 184	£244,529
To Preliminary expenditure incurred consequent on an investigation into the electrification of the River Boyne	45,920	—
,, Expenditure incurred, consequent on the electrification of the River Lee, on a commercial fishery not now being operated	14,854	—
,, E.S.B. 5% Stock flotation expenses	—	118,770
,, Transfer, consequent on re-allocation of capital costs, of appropriate part of deficiency from Shannon Fisheries Profit and Loss Account	—	10,850
,, Amount reserved in respect of Fisheries commercial, protection, and development activities	—	40,000
,, Transfer to reserve for renewals, of credits (per contra), as additional provision for the renewal of plant	104,970	151,641
,, BALANCE, carried down	124,851	121,341
	£290,595	£442,602

FOR THE YEAR ENDED 31st MARCH, 1957.

Cr.

	£	£	1955/56 £
By Balance transferred from Profit and Loss Account		1,891	184,523
,, Installations trading profit ...	11,218		
,, Merchandise trading profit ...	37,075	48,293	60,006
		£50,184	£244,529
By Balance, brought down		50,184	244,529
,, Balance, brought forward from last year's account		121,341	46,432
,, Release of reserve created in 1939 in respect of capital repayments		14,100	—
,, Credits arising consequent on the retirement of assets and the sale of scrapped material ...		104,970	151,641
		£290,595	£442,602

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

Dr.

	Total at 31st March, 1956 less retirements	Expenditure less retirements during year	Total at 31st March, 1957 less retirements
	£	£	£
To Generation	30,519,888	6,357,971	36,877,859
„ Transmission	11,654,235	583,573	12,237,808
„ Distribution	26,578,361	3,956 504	30,534,865
„ General	2,339,815	223,890	2,563,705
	£71,092,299	£11,121,938	82,214,237
„ Capital Works in Progress, including payments on account to contractors and others			10,071,835
Total of Fixed Assets, carried to Balance Sheet			£92,286,072

Cr.

	Total at 31st March, 1957
	£
By Repayable Receipts as Per Statement No. 14 ...	71,360,506
,, Non-repayable Receipts:	
Contributions from Minister for Finance under Electricity (Supply) Acts towards capital cost of supplying rural areas	1,974,400
Contributions from consumers and others for capital works	1,154,698
,, Capital Reserves:	
Repaid capital, less intangible assets written off ...	2,780,495
Capital Assets Adjustment Reserve, representing surplus arising from revaluation	270,297
Provision for depreciation, renewal and retirement of physical assets, together with proceeds of sale of assets, less physical assets retired	16,957,795
Total Capital Reserves (including non-repayable receipts)	23,137,685
Total of Capital Receipts and Reserves carried to Balance Sheet	£94,498,191

LIABILITIES AND RESERVES	£	£	31/3/56 £
REPAYABLE RECEIPTS, as per CAPITAL ACCOUNT ...		71,360,506	64,800,086
CAPITAL RESERVES, as per CAPITAL ACCOUNT ...		23,137,685	20,252,033
		94,498,191	85,052,119
LOANS under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
General Employees Superannuation Fund	171,800		
Manual Workers Superannuation Fund	101,800		
		273,600	152,700
THE MUNSTER AND LEINSTER BANK LIMITED OVERDRAFT		1,196,653	1,206,564
SUNDRY CREDITORS		2,894,296	4,751,151
RESERVES:	£		
Contingencies reserve ...	1,000,000		
Fuel equalisation reserve	500,000		
Fisheries reserve	40,000		
Other reserves and provisions ...	197,718		
		1,737,718	1,740,003
SURPLUS, as per NET REVENUE ACCOUNT ...		124,851	121,341
		£100,725,309	£93,023,878

AS AT 31st MARCH, 1957.

ASSETS	£	31/3/56 £
FIXED ASSETS, as per CAPITAL ACCOUNT ...	92,286,072	83,983,595
BOYNE DEVELOPMENT SUSPENSE ACCOUNT ...	—	61,734
ELECTRICITY SUPPLY BOARD 5% STOCK 1966/75, (nominal £34,786), at cost, held by the Munster and Leinster Bank Nominees Limited as depositaries of the Board	33,669	106,800
STOCKS ON HAND AND IN TRANSIT	4,337,694	4,743,652
COST VALUE OF SALES AND INSTALLATIONS WORK FOR WHICH CREDIT HAS NOT BEEN TAKEN ...	695,613	727,509
SUNDRY DEBTORS, after providing for bad and doubtful debts and including advances for goods not yet delivered	3,334,893	3,360,071
SHANNON FISHERIES, temporary advances ...	30,403	19,997
CASH IN HAND AND WITH BANKS	6,965	20,520
	£100,725,309	£93,023,878

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

Dr.

	1955/56
	£
To Operation, maintenance and repair	14,673	12,794
,, Cost of fish purchased	743	—
,, Fishery rates	4,381	5,678
,, General management and overhead expenses	2,896	2,890
,, Transfer to depreciation and renewals reserve	2,010	2,350
	£24,703	£23,712

No. 11.

Dr. **SHANNON FISHERIES PROFIT AND LOSS**

	£		1955/56
			£
To Balance, brought from Trading Account		3,806	6,635
,, Interest :—	£		
Payable to the Minister for Finance	2,994		
Apportioned in respect of temporary advances from electricity funds	950		
Other interest	420		
		4,364	3,813
,, Reserve, being amount of capital repaid in respect of advances from Minister for Finance		743	707
		£8,913	£11,155
To Balance, brought down		8,913	11,155
,, Balance, brought forward from last year's account		37,870	26,715
,, Transfer to reserve for renewals, of credits (per contra), as additional provision for the renewal of plant		—	179
		£46,783	£38,049
To Balance, brought down		£46,783	£37,870

FOR THE YEAR ENDED 31st MARCH, 1957.

Cr.

		1955/56
	£	£
By Sales of fish, letting of fishing rights and miscellaneous income	20,897	17,077
,, Balance, carried to Profit and Loss Account	3,806	6,635
	£24,703	£23,712

ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1957. *Cr.*

		1955/56
	£	£
By Balance, carried down	8,913	11,155
	£8,913	£11,155
By Credits arising consequent on the retirements of assets and the sale of scrapped materials	—	179
,, Balance, carried down	46,783	37,870
	£46,783	£38,049

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

Dr.

	Total at 31st March, 1956 less retirements	Expenditure less retirements during year	Total at 31st March, 1957 less retirements
	£	£	£
To Works to preserve fisheries	32,004	—	32,004
,, Other capital expenditure	33,597	2,820	36,417
	£65,601	£2,820	68,421
,, Capital works in progress			724
Total of fixed assets, carried to Balance Sheet			£69,145

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

LIABILITIES AND RESERVES		31/3/56
	£	£
Repayable receipts, as per Capital Account	60,960	61,703
Capital reserves, as per Capital Account	25,979	22,805
	86,939	84,508
Electricity funds, temporary advances	30,403	19,997
Sundry creditors	335	375
	£117,677	£104,880

FOR THE YEAR ENDED 31st MARCH, 1957.

Cr.

			Total at 31st March, 1957
	£		£
By Repayable receipts (*see* Account No. 14)			60,960
,, Capital reserves :			
Repaid capital, *less* intangible assets written off	6,367		
Provisions for depreciation, renewal and retirement of physical assets, together with proceeds of sale of assets, *less* physical assets retired	19,612		
Total capital reserves	...	....	25,979
Total of repayable receipts and capital reserves, carried to Balance Sheet	....	....	£86,939

AS AT 31st MARCH, 1957.

ASSETS		31/3/56
	£	£
Fixed assets, as per Capital Account	69,145	65,736
Stock of material	1,451	1,017
Sundry debtors	298	257
Deficiency, as per Profit and Loss Account	46,783	37,870
	£117,677	£104,880

Electricity Capital Receipts

Loans and loan-stocks, local authority undertakings ....

Minister for Finance :

Advances under the Electricity (Supply) Acts and the Shannon Fisheries Act, 1935 ... ...

Electricity Supply Board 5% Stock, 1966-75 ....

Shannon Fisheries Capital Receipts

Minister for Finance :

Advances under the Shannon Fisheries Act, 1935 ....

AND REDEMPTION THEREOF TO THE 31st MARCH, 1957.

Total Receipts to 31st March, 1957	Redeemed			Balance Outstanding at 31st March, 1957
	Total to 31st March, 1956	Redeemed during year	Total to 31st March, 1957	
£	£	£	£	£
756,021	756,021	—	756,021	—
64,882,236	2,882,150	485,080	3,367,230	61,515,006
10,000,000	—	154,500	154,500	9,845,500
£75,638,257	£3,638,171	£639,580	£4,277,751	£71,360,506
68,000	6,297	743	7,040	60,960
£75,706,257	£3,644,468	£640,323	£4,284,791	£71,421,466

LIABILITIES AND RESERVES	£	£	31/3/56 £
REPAYABLE RECEIPTS:			
per ELECTRICITY CAPITAL ACCOUNT	71,360,506		
per SHANNON FISHERIES CAPITAL ACCOUNT	60,960		
		71,421,466	64,861,789
CAPITAL RESERVES:			
per ELECTRICITY CAPITAL ACCOUNT	23,137,685		
per SHANNON FISHERIES CAPITAL ACCOUNT	25,979		
		23,163,664	20,274,838
		94,585,130	85,136,627
LOANS under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
General Employees Superannuation Fund	£ 171,800		
Manual Workers Superannuation Fund	101,800		
		273,600	152,700
MUNSTER AND LEINSTER BANK LTD., OVERDRAFT		1,196,653	1,206,564
SUNDRY CREDITORS		2,894,631	4,751,526
RESERVES:	£		
Contingencies reserve ...	1,000,000		
Fuel equalisation reserve ...	500,000		
Fisheries reserve	40,000		
Other reserves and provisions ...	197,718		
		1,737,718	1,740,003
SURPLUS:			
per ELECTRICITY NET REVENUE ACCOUNT ...		124,851	121,341
		£100,812,583	£93,108,761

NOTE:
At 31st March 1957 there were outstanding contractual commitments in respect of capital and other expenditure, estimated to amount to £3,000,000.

R. F. BROWNE, *Chairman.*

PATRICK J. DEMPSEY, *Secretary.*

AS AT 31st MARCH, 1957.

ASSETS	£	£	31/3/56 £
FIXED ASSETS :			
per ELECTRICITY CAPITAL ACCOUNT	92,286,072		
per SHANNON FISHERIES CAPITAL ACCOUNT	69,145		
		92,355,217	84,049,331
BOYNE DEVELOPMENT SUSPENSE ACCOUNT ...		—	61,734
ELECTRICITY SUPPLY BOARD 5% STOCK 1966/75, (nonimal £34,786), at cost held by the Munster and Leinster Bank Nominees Ltd., as depositaries of the Board		33,669	106,800
STOCKS ON HAND AND IN TRANSIT		4,339,145	4,744,669
COST VALUE OF SALES AND INSTALLATIONS WORK FOR WHICH CREDIT HAS NOT BEEN TAKEN ...		695,613	727,509
SUNDRY DEBTORS, after providing for bad and doubtful debts and including advances for goods not yet delivered		3,335,191	3,360,328
CASH IN HAND AND WITH BANKS		6,965	20,520
DEFICIENCY :			
per SHANNON FISHERIES PROFIT AND LOSS ACCOUNT		46,783	37,870
		£100,812,583	£93,108,761

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 note thereon and the undermentioned qualifications, that the Balance Sheet as at the 31st March, 1957, exhibits a true and correct view of the state of the Board's affairs according to the best of our information and the explanations given to us, and as shown by the books of the Board

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

Overhead expenses and other items are charged in the foregoing Accounts in accordance with the estimated allocations made by the Board's officials and approved by the Board:

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

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

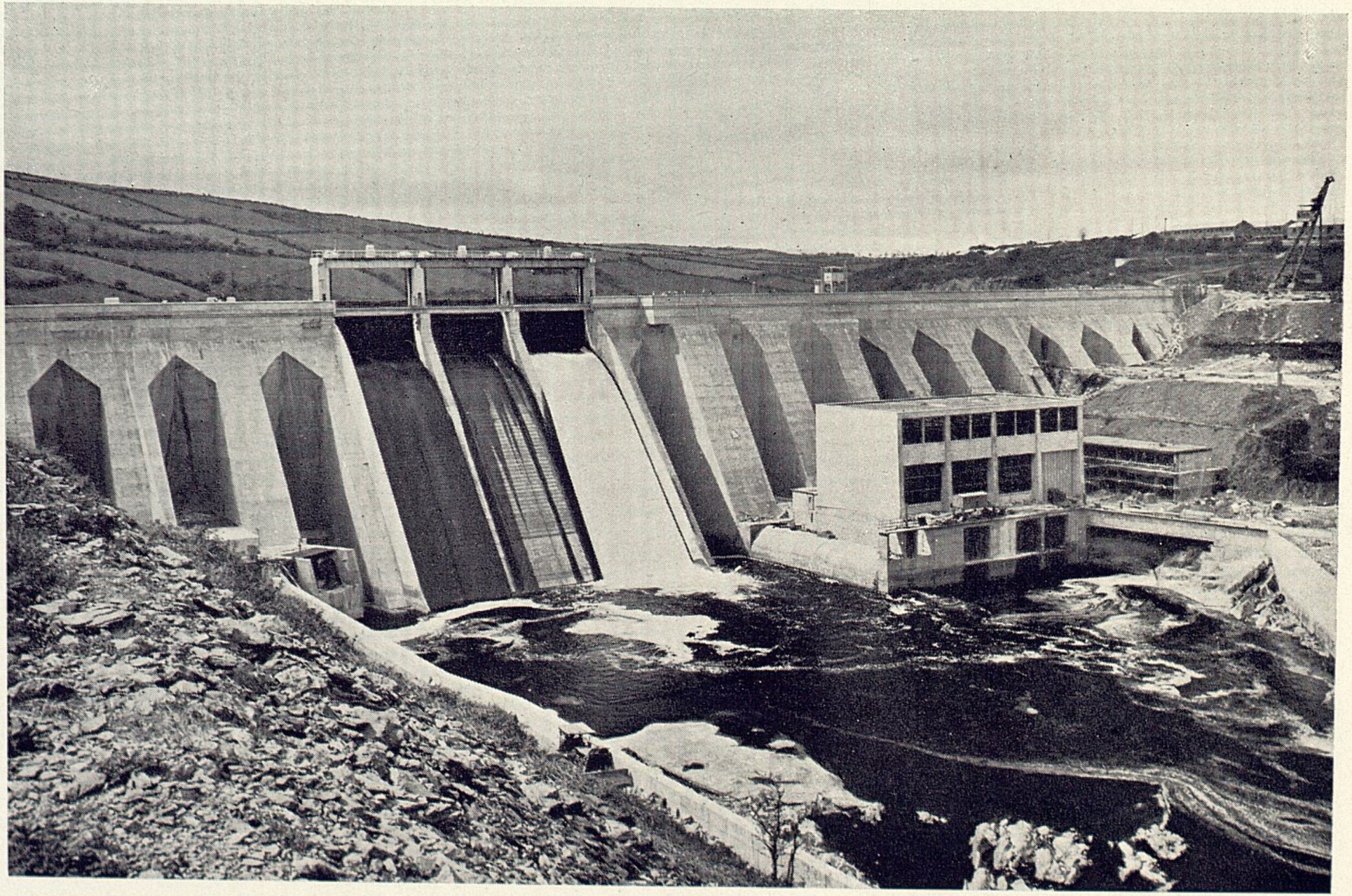
(*c*) Credit has been given to Merchandise Trading Account for a sum representing a proportion of the expenses regarded as relating to the sale of Electricity, and this has been charged to Electricity (non-Rural) Revenue Account and Electricity (Rural) Revenue Account.

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

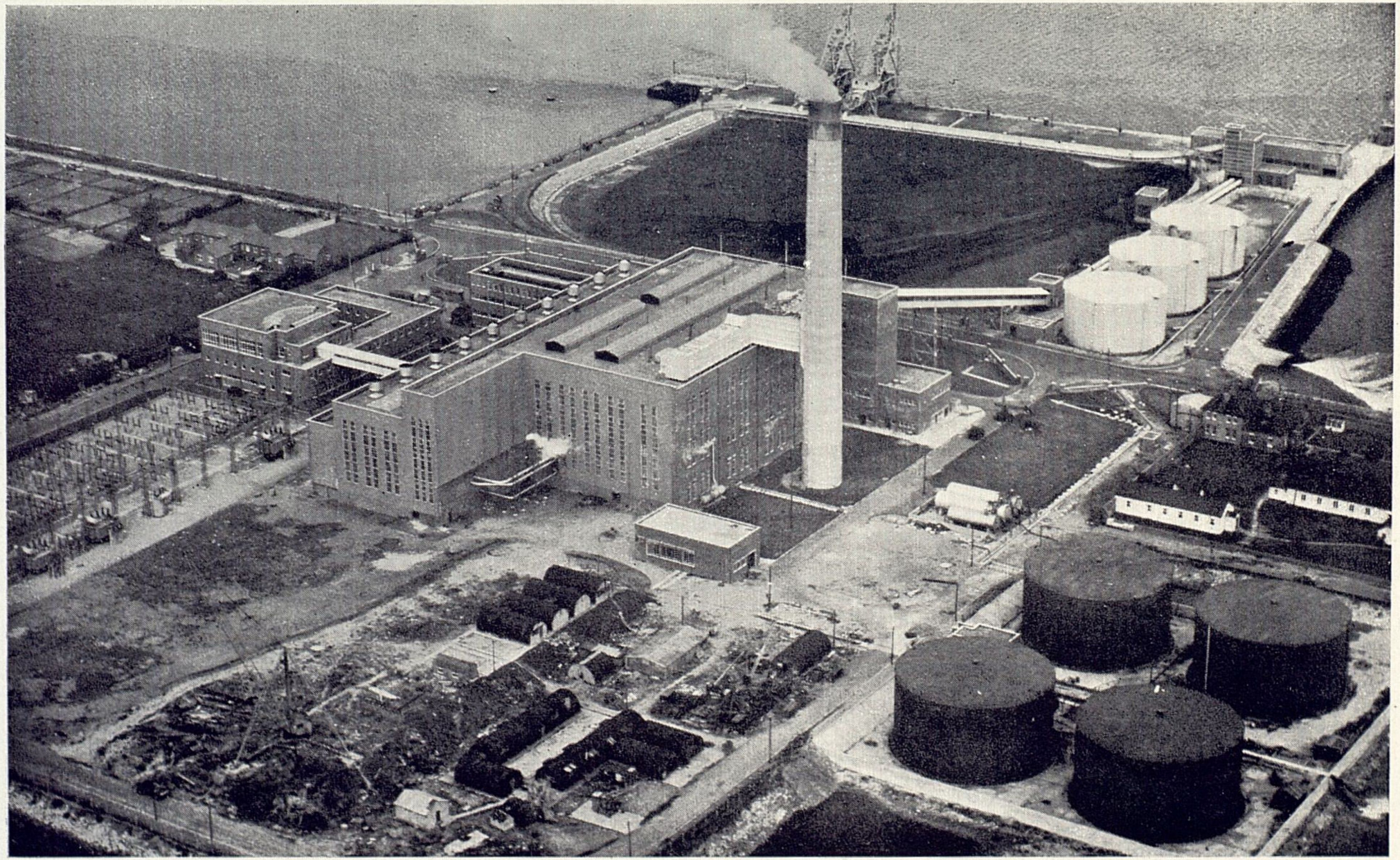
The value of certain intangible assets as classified by the Board's officials has been written off out of the amounts at credit of Capital Reserves with the approval of the Board.

KENNEDY, CROWLEY & CO.,
Auditors.

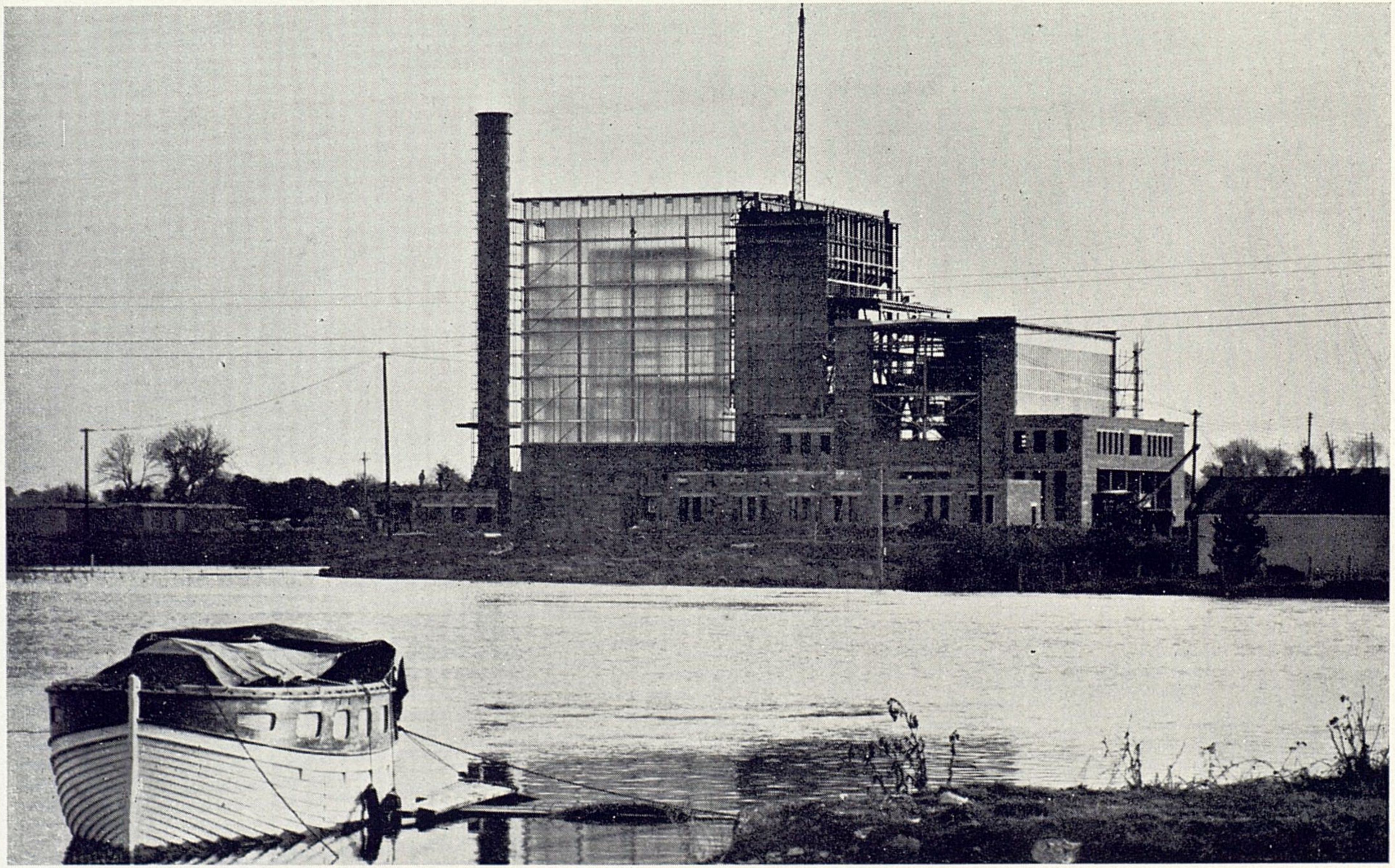
4 AND 5 WESTMORELAND STREET
DUBLIN, *7th June*, 1957.



THE DAM AND POWER STATION AT INNISCARRA ON THE RIVER LEE.



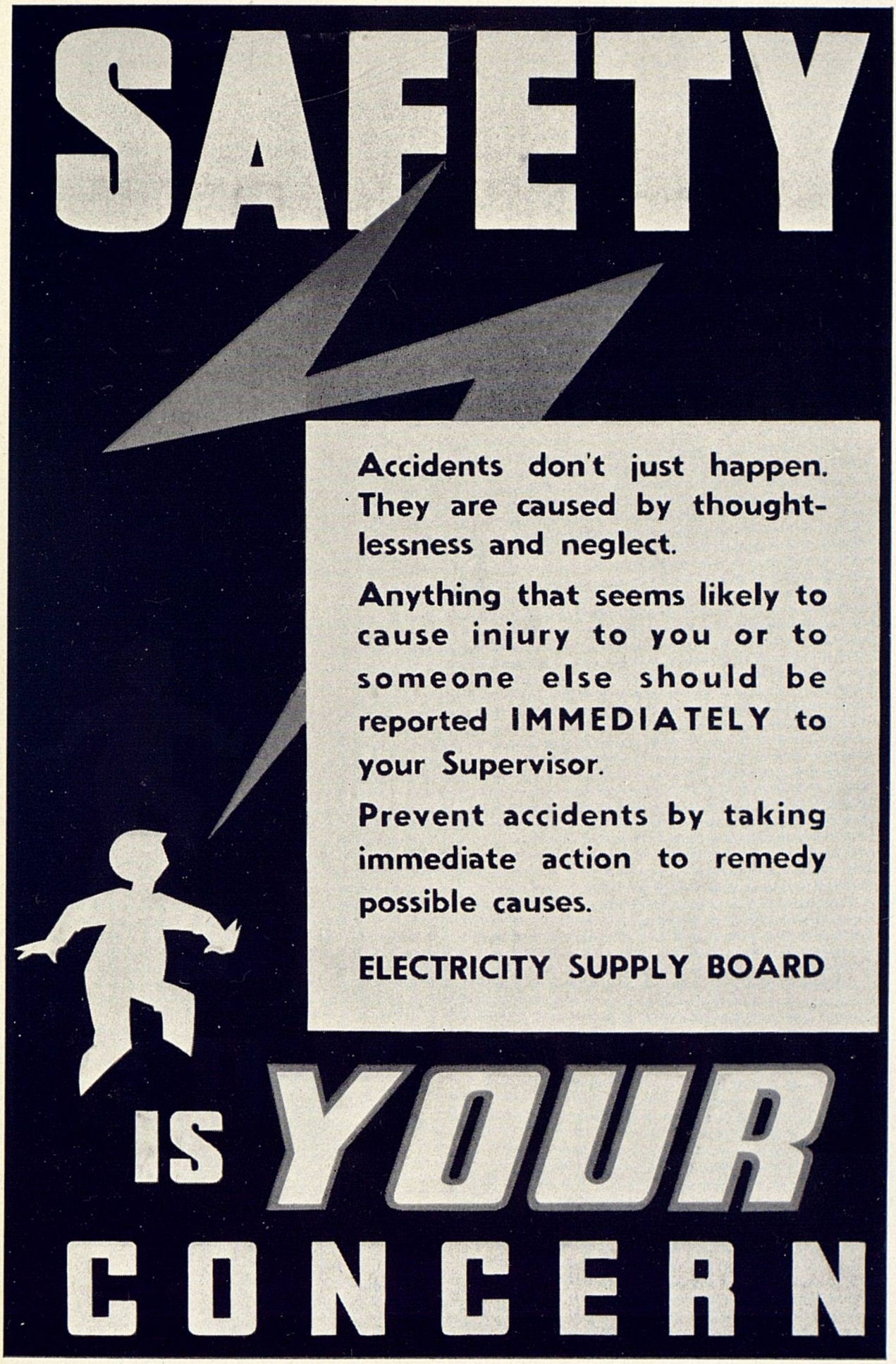
AN AERIAL VIEW OF RINGSEND POWER STATION.



LANESBOROUGH STATION WHICH WILL OPERATE ON SOD PEAT.



PART OF THE MACHINE ACCOUNTING SECTION IN THE NEW HEAD OFFICE BUILDING.



ONE OF A SERIES OF STAFF SAFETY POSTERS.