TWENTY-NINTH
ANNUAL REPORT
OF THE
ELECTRICITY
SUPPLY BOARD
IRELAND
FOR THE YEAR ENDED
MARCH 31st
1956

INCLUDING REPORT ON FISHERIES

(Pr. 8557)

PRICE ONE SHILLING

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(Pr. 3557)t

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

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ELECTRICITY SUPPLY BOARD

REPORT AND ACCOUNTS

YEAR ENDED 31st MARCH, 1956

(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, 1956.

The total units generated amounted to 1,570 millions compared with 1,458 millions in the previous year. The increase was 112 million units or 7·6%. The rainfall was somewhat less than average, and 487 million units were generated at the hydro-electric stations as compared with 590 million units in a year of average rainfall. This reduction in hydro-electric generation resulted in an extra cost of approximately £200,000 on fuel compared with a year of average water conditions. Peat was utilised to the full extent to which it was available, and produced 360 million units. Oil was largely substituted for coal in the other stations. The installed generating capacity was increased from 452 MW to 512 MW by the placing in commission of two 30 MW sets at the Ringsend, Dublin, Station.

A high rate of activity continued throughout the year. The number of consumers increased by 41,287, from 461,901 to 503,188. Under the Rural Electrification Scheme supply has been extended to 99 additional areas, each approximately 28 square miles and supplying about 300 consumers. The additional number of rural consumers was 34,257.

The average price per unit of electricity sold was 1·92d, which was the same as the figure in the previous year. The revenue from the sales of electricity increased by £942,547 to £10,464,808.

Having made provision for interest, repayment of advances and plant renewal, there was a surplus of £184,523.

The summarised revenue and expenditure figures are :—

	Year ended 31st March, 1956. £	Year ended 31st March, 1955. £
Gross Revenue	10,515,368	9,565,256
Working Expenditure on wages, fuel and other materials and overheads	5,964,024	4,915,852
Working surplus	£4,551,344	£4,649,404
This surplus has to bear the following capital charges :—		
Provision for plant renewal ...	1,741,000	1,539,000
Interest	2,187,121	1,826,323
Repayment of advances ...	438,700	400,672
Leaving as a result of the year's operations a surplus of ...	£184,523	£883,409

As foreshadowed in last year's Report, the 50% subsidy granted for rural electrification was terminated with certain retrospective effect. Accordingly, rural capital charges must now be borne on a capital much greater than was originally anticipated.

The addition of profits on merchandise and installation trading and the balance, £46,432, forward from last year, brought the surplus of £184,523 to a total of £290,961. Part of this surplus has been used to write off the expenditure incurred in relation to the £10,000,000 issue of stock. A sum of £40,000 has been set aside to provide a reserve against the initial expenses and losses in the development of fishery activities. The Contingency Reserve and the Fuel Equalisation Reserve have been left unchanged at last year's figures of £1,000,000 and £500,000 respectively. A balance of £121,341 remains on the Net Revenue Account to be carried forward to next year.

Expenditure on fuel was greater by £905,877 than in the previous year when an exceptionally heavy rainfall made possible a very high output from the hydro stations. Costs other than fuel increased by £743,121. Of this, £398,826 related to interest and capital repayments and £202,000 to provisions for plant renewal.

Although earnings have continued to grow, a review of the present situation, and of the prospects for the immediate future years, discloses that the rate of growth of expenditure is rapidly overtaking revenue earnings. The principal contributing factors are the present large volume of new capital investment at high interest rates, the continued rise in expenditure on fuel and increases in salaries and wages. A further factor of significance is the abnormally low return on capital shown by new rural areas to which electricity is now being extended. Unless the necessary corrective measures

are taken, deficiencies are likely to be experienced on the Revenue Account. Accordingly, to ensure proper financial stability, and, in accordance with the provisions of Section 21 (2) of the Electricity (Supply) Act, 1927, steps are being taken to revise the rates of charge in the immediate future.

CAPITAL

The value of plant brought into commission was £11,881,160 as compared with £8,975,771 during the preceding year. The total investment in assets in productive use at the end of the year was—

	£
Generation	30,519,888
Transmission	11,654,235
Distribution	26,578,361
Premises, equipment, transport, etc.	2,339,815
	£71,092,299

In addition, expenditure of £12,891,296 was incurred on new capital works which were still under construction at the end of the year. The total fixed capital investment, therefore, was approximately £84,000,000.

Capital expenditure during the year under the Rural Electrification Scheme amounted to £3,930,632, and the total investment in the scheme to the 31st March, 1956, was £16,884,577.

At the 31st March, 1956, the net balance available towards the replacement of wasting assets was £14,684,323. The policy of continuing replacement provisions as long as plant remains in commission is being maintained.

BORROWING POWERS

The year's capital requirements were provided principally by the flotation of £10,000,000 Electricity Supply Board 5% Stock 1966/1975. Stock to the value of £8,000,000 which was offered to the public was over-subscribed and the subscription lists were closed earlier than anticipated. An analysis of the subscribers to the loan shows a preponderance of small investors, and subscriptions were received from all parts of the country.

The Electricity (Supply) Acts, 1927 to 1955, authorised the Board to incur capital expenditure not exceeding £100,000,000 for its general purposes and £25,000,000 for Rural Electrification. At 31st March, 1956, the Board had approved expenditure totalling £91,404,849 for its general purposes of which £56,107,249 represented electricity assets actually in commission at that date and the balance of £35,231,999 represented either work in progress or work authorised. The corresponding figures for Rural Electrification were: approved £18,065,938, assets in commission £14,985,050 and work in progress or authorised £3,080,888.

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-seven 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	503,188

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, 1956 millions	Year ended 31st March, 1955 millions	millions	
Domestic ...	531·230	479·403	51·827	10·8
General Lighting	77·079	70·316	6·763	9·6
General Heating, Cooking and Water Heating, (excluding Night Storage Heating) ...	139·750	126·716	13·034	10·3
Night Storage Heating ...	85·749	75·366	10·383	13·8
Motive Power ...	430·011	401·383	28·628	7·1
Public Lighting	29·227	26·872	2·355	8·8
Traction ...	0·278	0·273	0·005	1·8
Miscellaneous ...	13·318	11·843	1·475	12·5
Totals ...	1,306·642	1,192·172	114·470	9·6

SALES OF APPLIANCES

The sales of appliances amounted to £865,439 as compared with £662,542 in the preceding year. The rate of gross profit was 21·8%. The Merchandise Trading Account, having been charged with overhead expenses and interest on working capital, showed a profit of £44,643.

CONSUMERS' INSTALLATIONS

The credit taken for contracts completed and invoiced for work carried out amounted to £371,746, as compared with £429,302 for the preceding year. The rate of gross profit was 18·4%. Having debited to the Installations Trading Account overhead expenses and interest on working capital, there was a net profit of £15,363.

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, 1956			Year ended 31st March, 1955
	Generated million units	Station use million units	Sent out million units	Sent out million units
Ardnacrusha ...	254.406	3.146	251.260	395.712
Cliff ...	54.949	0.725	54.224	67.954
Cathaleen's Fall	147.530	2.175	145.355	244.783
Pollaphuca ...	15.029	0.600	14.429	31.982
Golden Falls ...	5.852	0.109	5.743	12.677
Leixlip ...	9.164	0.205	8.959	19.211
Portarlington	136.303	8.192	128.111	120.903
Allenwood ...	223.754	14.032	209.722	150.839
Pigeon House	95.296	9.216	86.080	89.947
North Wall ...	173.802	12.070	161.732	125.596
Ringsend ...	139.869	7.441	132.428	—
Marina (Cork)	314.152	14.117	300.035	144.393
Purchased ...	3.044	—	3.044	3.696
Totals ...	1,573.150	72.028	1,501.122	1,407.693
Maximum daily generation, million units		6.201		5.776
Maximum generated load, in kW		363,000		348,000

The units generated and purchased showed an increase of 111·414 million units, or 7·6% over the preceding year. The annual load factor, on the basis of units generated, was 49·2%, as compared with 47·8% in the previous year. The 3,044,000 units purchased includes 1,584,000 units from the Electricity Board for Northern Ireland.

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

Generation load duration, and integrated load duration curves ...	Appendix III
Monthly output of the generating stations	Appendix V
Performance of generating plant ...	Appendix VI
Particulars of the generating plant ...	Appendix VII
Typical daily generation load curves ...	Appendix VIII
Weekly generation and peak loads ...	Appendix IX
Weekly operating conditions—	
(a) Shannon Catchment	Appendix XI
(b) Erne Catchment	Appendix XIII
Annual generation from 1st April, 1930 to 31st March, 1956	Appendix XVIII

GENERATING STATIONS

The total installed capacity of the Board's generating plant at the 31st March, 1956, amounted to 512,500 kW comprising 324,500 kW of steam plant and 188,000 kW of hydro-electric plant. New stations which will increase the generating capacity by 316,000 kW were under construction or planned as follows :—

	kW	Probable Commissioning Year
Ringsend (coal or oil-fired) ...	30,000	1956
Ferbane (peat-fired)	60,000	1956-57
Four hand-won peat-fired stations	20,000	1956-57
Arigna (coal-fired)	15,000	1957
Lee (hydro)	27,000	1957
Clady (hydro)	4,000	1958
Lanesborough (peat-fired) ...	20,000	1957-58
Rhode (Derrygreenagh) (peat-fired)	40,000	1959-60
Shannonbridge (Blackwater) (peat-fired)	40,000	after 1960
Bellacorick (Oweninny) (peat-fired)	60,000	after 1960
Total	316,000	

The generating plant programme included two milled peat-fired stations in Co. Mayo, one at Bellacorick having a capacity of 40,000 kW and the other at Bangor Erris with a capacity of 20,000 kW. Investigation into the effective utilisation of milled peat produced at Bangor Erris bogs disclosed that it would be more economic to transport the milled peat from the Bangor Erris bogs to Bellacorick station than to erect a separate station at Bangor Erris. In the circumstances the Board decided to increase the capacity of Bellacorick by 20,000 kW and to delete the Bangor Erris Station from the programme.

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

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

HYDRO-ELECTRIC STATIONS :

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

Satisfactory progress was maintained on the further specified works towards the improvement of the drainage and the power possibilities of the River Erne in connection with

the full development of the river which is being carried out under the agreement of 4th September, 1950, between the Minister of Finance for Northern Ireland and the Board.

The dredging of the river channel between Belleek and Lower Lough Erne was completed with the exception of work necessary to improve the entrance from the lake into the channel. This work, and the removal of the Belleek sluices, will be finished in the summer of 1956. The construction of the new weir at Portora, Enniskillen, for the regulation of the level of Upper Lough Erne was almost completed. The new road bridge at Belleek had been opened to traffic.

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

Approximately three-quarters of the work on the construction of the Inniscarra dam has been carried out. The power station foundations had been poured and work was in progress on the erection of the superstructure. The excavation of the tail race was nearing completion.

At Carrigadrohid the placing of the concrete in the dam was almost finished. The power station foundations were completed and the erection of the superstructure was about to commence. The tail race and the construction of the new Rooves Bridge, the Bealaglashin and Lee Bridges as well as the miscellaneous road works around the reservoir area were completed. Both reservoirs, it is expected, will be filled during the coming winter.

Most of the generating plant was delivered and work was begun on the erection of the two turbines at Inniscarra.

It is hoped to have the stations in commission before the end of 1957.

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

About half of the work on the construction of the Cung Dam at the mouth of Dunlewy Lough was carried out and the excavation for the weir at Gweedore was in progress. The overlying peat along the line of the head race canal was removed and the excavation of the canal to profile was under way. Most of the excavation for the penstock, intake and pipe line had been completed.

Progress was maintained on the manufacture of the generating plant, penstock and electrical equipment.

It is expected that this station will be commissioned in 1958.

STEAM STATIONS :

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

The first set in the new steam station at Ringsend, Dublin, was commissioned on the 20th August, 1955, and the second on the 8th December, 1955. The capacity of each set is 30,000 kW. They operate at a pressure of 600 lb./sq. in. and at a temperature of 850°F. Steam is supplied by three boilers suitable for burning coal or oil.

All the buildings, including the engine house and boiler house for the three sets, were nearing completion. Work on the cooling water system, the ashing system, chimney and the outdoor station was finished and the foundations and the bund for an extension of the oil storage installation were constructed.

The erection of the fourth boiler was almost completed and the erection of the third generating set and its associated transformers and switchgear was in progress.

It is expected that this set will be ready for commissioning in 1956.

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

The fabric of the engine room and office buildings was erected. The foundations for the first two generating sets had been concreted and work was in progress on the third. Work was also in progress on the cladding and floors of the boiler house. The 110 kV outdoor station foundations were finished and about three-quarters of the foundations for the turf handling equipment was completed. The shell of the first cooling tower was completed and the internal work was in progress. The shell of the second tower was concreted to a height of 259 feet. The inlet culvert was finished and the discharge culvert was nearing completion. Work on the pump house and chlorination house was in progress.

The erection of the first of the three boilers was practically completed and progress was satisfactorily maintained on the other two boilers. The material for the three sets was delivered.

Work was also in progress on the erection of the first and second sets and the fuel handling plant.

This station is expected to be in operation in 1956/57.

Four Hand-won Peat-fired Stations :

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

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

(Each station 1—5,000 kW set.)

The construction works at Miltown-Malbay were almost finished.

At Screeb the superstructure of the power station buildings was nearing completion and work was in progress on the pump house, the chlorine house and the foundations for the outdoor station.

At Cahirciveen the erection of the steelwork for the buildings, the cooling tower and the pump house were completed and work progressed on the construction of the weighbridge and the outdoor station.

Construction work was commenced at Gweedore in April, 1955. The structural steelwork for the station buildings had been erected and work was in progress on the pump house, weighbridge, turf hopper, chlorine house and syphon box.

Delivery of materials for all the stations was almost completed and erection work was proceeding satisfactorily.

The stations are due for commissioning in 1956/57.

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

The contract for the civil construction works was placed in October, 1955. The foundations for the boiler house and engine room were nearing completion and the erection of the boiler and structural steelwork was about to commence.

Part of the boiler plant was delivered and progress in the manufacture of the remaining plant was maintained.

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

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

There was good progress throughout the year on the civil construction works. The piling and the pouring of the foundations for the station buildings to ground level were completed and the erection of the structural steel was about to commence. Work on the cooling water system, including the pump house and the inlet and outlet culverts, was almost finished.

Most of the generating plant was delivered and the electrical equipment was ordered.

This station is expected to be placed in commission in 1957/58.

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

Tenders for the civil construction works, including the first cooling tower, were received early in March. Work will commence on site in May, 1956.

The generating plant was ordered and enquiries were about to be issued for the electrical equipment and for various items of auxiliary plant.

It is expected to have the station in operation about 1959/60.

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

The survey and exploration of the site were completed and the enquiry documents for the civil works contract were being prepared.

Orders were placed for the boilers and turbo sets.

Bellacorick (Oweniny) (Co. Mayo) (3—20,000 kW sets. Milled Peat.)

The survey and exploration of the site were completed and work on the preparation of the enquiry documents for the civil works contract was in progress.

Orders were placed for the boilers and turbo sets.

MAIN TRANSMISSION SYSTEM

(a) 220 kV Overhead Lines :

Preliminary investigations were made on the design of a 220 kV line from Rhode generating station to Finglas transformer station at Dublin.

(b) 110 kV Overhead Lines :

The branch line to Carrickmines, Co. Dublin, was completed and placed in commission. About thirty miles of the line to Cahirciveen, Co. Kerry, were erected and commissioned at 10 kV. The 425 sq. mm. steel-cored aluminium line from Ferbane generating station to Portlaoise was almost finished.

The route for a line from Ferbane station to Athlone, via the proposed station at Shannonbridge, was surveyed and the design was well advanced. Good progress was made on the selection and survey of routes for lines to the River Lee and Lanesborough generating stations.

Detailed plans were made for the change-over of the 110 kV and 38 kV lines from the old to the new transformer station at Portlaoise.

(c) 110 kV Transformer Stations :

The station at Wexford, with a 15 MVA transformer, was placed permanently in commission, and the station at Kilkenny was continued in commission on an emergency basis. The station at Cahir was completed with the installation of one 15 MVA transformer.

Construction work was continued on the new stations at Portlaoise and Carrickmines. One 30 MVA transformer was placed in commission at Carrickmines on an emergency basis.

(d) 38 kV Overhead Lines :

About sixty-three miles of 38 kV line were erected and approximately one mile was retired from service.

(e) 38 kV Transformer Stations :

Eight stations were completed and put into commission :

Bruff, Co. Limerick.
Cashel, Co. Tipperary.
Charlestown, Co. Mayo.
Enniskean, Co. Cork.
Finglas East, Co. Dublin.
Milford, Co. Donegal.
Trim, Co. Meath.
Waterford (South), Co. Waterford.

Two of these, viz. Charlestown and Enniskean, replaced smaller stations.

(f) Underground Cables :

The 110 kV Inchicore-Ringsend cable, which had been in commission at 38 kV, was extended to Ringsend station and commissioned at 110 kV.

About half a mile of 38 kV oil-filled cable was installed to connect Ringsend station to the 38 kV system.

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 ...	51·5 miles
2.	Low tension overhead mains reconstructed or strengthened	24·1 ,,
3.	Low tension underground mains installed	14·1 ,,
4.	10 kV underground cables installed ...	20·6 ,,
5.	10 kV underground cables retired from service	0·45 ,,
6.	5 kV underground cables retired from service	1·06 ,,
7.	10 kV overhead distribution lines erected (excluding rural lines)	40·1 ,,
8.	10 kV overhead distribution lines retired from service	2·4 ,,
9.	38 kV overhead transmission lines erected	63·3 ,,
10.	38 kV overhead transmission lines retired from service	1·1 ,,
11.	38 kV underground cables installed ...	0·5 ,,
12.	110 kV overhead transmission lines erected	70·0 ,,
13.	Rural lines erected	6,196·0 ,,

Two hundred and twelve 10 kV and eight 5 kV transformer stations were completed ; ten 10 kV and seven 5 kV transformer stations were retired from service.

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

RURAL ELECTRIFICATION

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

Period	Poles erected	Miles of line strung	Consumers connected	Areas completed
Year ended 31st March				
1947	1,300	39	Nil	Nil
1948	15,986	721	2,203	7
1949	32,002	1,730	9,262	30
1950	40,972	2,083	13,688	45
1951	42,423	2,232	15,803	49
1952	46,008	2,466	18,067	49
1953	48,059	2,703	18,818	49
1954	68,382	3,769	23,477	60
1955	91,391	4,977	29,812	75
1956	112,616	6,196	34,257	99
Totals to date	499,139	26,916	162,891*	463

* In calculating this figure allowance has been made for 2,496 consumers who were disconnected prior to 31st March, 1955, and not allowed for in returns prior to that date.

The number of construction crews was maintained at forty and 99 areas were completed. Thus the target of 100 areas for the year was practically achieved.

It is now estimated that a total of 797 areas will be developed under the Scheme. Of these, 685, or 86% have been canvassed, 533 or 67%, selected for development and 463, or 58% completed. At the present rate of progress, it is expected that all areas will be supplied within three and a half years. The 463 areas completed cover 12,325 square miles, or an average of 26·6 square miles per area. A further 70 areas are under construction or selected for development, making a total of 533 areas, or 14,512 square miles. Supply is now available to 65% of the population and the proportion of dwellings connected in the completed areas is approximately 74·6%.

Supplies of materials were generally good. The total value of materials used was approximately £2,200,000. Of this, 67%, or £1,470,000, was obtained from home manufacturers. Prices in general followed a rising trend. The prices of the three main items, poles, transformers and aluminium conductors, increased by about 10%, 4·4% and 5% respectively. Most of the materials for rural construction work were delivered by road but eleven cargoes were shipped to areas on the western seabord.

While the consumption of electricity has continued to increase, being 208 million units as against 166 million units last year, the average consumption per consumer, at 1,332 units, has not altered appreciably. The limited use of electricity by new consumers tends to offset the greater consumption of those connected in the earlier years. The revenue earned was £2,302,710.

Increased use was made of the Farm Electrification Advisory Service provided by the Board. This service which started in a very modest way some years ago, chiefly to advise on pumping problems, now covers a comprehensive range of activities.

In addition to advice on general problems such as water pumping and electrification of farmyard machinery, the service also caters for specialist activities in dairy farming, poultry farming, pig rearing, crop processing and horticulture. In the past year sales of equipment in the rural areas by the Board were 33% higher than in the previous year.

In addition to full demonstrations in areas under construction, displays were arranged at some of the principal agriculture shows. Lectures and demonstrations of a slightly more techincal character were given to students of a number of Technical Schools and Agricultural Colleges. With the co-operation of the Department of Education special courses were given to a group of Vocational Teachers and to student teachers attending a training course for Instructors in Farm Building Improvement.

In co-operation with the Co. Kildare County Committee of Agriculture, advice on electrical equipment was given to the holder of one of the pilot farms in the county. The holder has purchased a considerable amount of electrical equipment and is satisfied with results. A second farm has been selected for a similar programme.

WATER STORAGE AND RIVER CONTROL

With the exception of the years 1933/1934 and 1952/1953, the year was the driest since the establishment of the Shannon Scheme. Although the inflows for May, June and July were considerably in excess of the average for each of these months, the inflows for the remainder of the year were below normal. The inflows to the Rivers Shannon, Erne and Liffey were about 70% of the long term mean. It was possible to achieve almost 100% utilisation of the available inflow at all the hydro-electric stations.

The important hydrometric figures at the hydro-electric stations are given in Appendix VI 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 for the calendar year 1955 were :—

River Shannon at Killaloe	...	145·9	cbm/sec.
River Liffey at Pollaphuca	...	7·5	,,
River Liffey at Leixlip	...	13·2	,,
River Erne at Ballyshannon	...	77·8	,,

WATER POWER INVESTIGATIONS AND HYDROMETRIC SURVEY

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

The report on the revised proposals embodying a pumped-storage project for the hydro-electric development of the Torc Waterfall, Co. Kerry, was under consideration.

It was clear from investigations that were completed during the year that the hydro-electric development of the River Flesk, Co. Kerry, would not be economic.

The economics of the hydro-electric development of the Ballisodare River, Co. Sligo, were under review.

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

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

NUCLEAR ENERGY

Although the use of nuclear energy for electricity generation is not foreseen in the immediate future, the Board is fully aware of its importance and is continually in touch with developments elsewhere in this field.

WIND POWER INVESTIGATIONS

The wind power survey, consisting of the measurement of wind speeds on a number of selected hill-tops around the coast, has now been completed. The work started in 1950 and was carried out in conjunction with the British Electrical Research Association.

In order to test the practical and economic use of wind generation for supplying networks, a small prototype wind generator has been erected on Verschoyle's Hill near Dublin. It is at present undergoing tests and will be put into experimental operation shortly.

PREMISES

Satisfactory progress has been maintained in the provision of new and improved office and stores accommodation. The new wing of the Head Office building at East James's Street was nearing completion.

The construction of twenty-nine houses for the Ferbane Generating Station staff was proceeding, and schemes to provide living accommodation at Lanesborough, Rhode,

Inniscarra and other generating stations were under examination.

The building of new service depots commenced in six towns ; in nine others plans were nearing completion. New stores depots, with garages, were being erected at Stillorgan, Co. Dublin, and at Athlone.

PERMITTED UNDERTAKINGS

At the 31st March, 1956, there were twenty-two electricity undertakings operating under permit from the Board. During the year the Board acquired the undertakings at Gortahork, Co. Donegal and Miltownpass, Co. Westmeath. 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 1,792 and in the Manual Workers' Superannuation Scheme, 2,392. One hundred and fifty seven persons were in receipt of pensions from the funds.

A total sum of £152,700 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. In addition the Trustees purchased £2,000,000 of Electricity Supply Board 5% stock 1966/1975.

TRIBUNALS TO DETERMINE DISPUTES

The reports of the proceedings of the Manual Workers' and of the General Employees' Tribunals respectively, for the year ended 31st March, 1956, are reproduced in Appendices XVI and XVII.

STAFF

At the 31st March, 1956, the numerical strength of the Board's regular staff was 5,092. In addition there was a casual staff of 3,992.

The Board desires to record again 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.

8th June, 1956.

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, 1956.

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 £17,077 as compared with £26,268 in the preceding year. The decrease was largely owing to the reduced run of fish. Interest and sinking fund charges on the capital invested in the Fisheries amounted to £4,520. Fishery rates totalled £5,678, and £2,350 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 £11,155 for the year compared with a deficiency of £5,490 last year.

SALMON FISHERIES

Progress continued on the rehabilitation of the salmon fisheries in the Shannon system. Staff were recruited and trained and tests and experiments were carried out in connection with the proposed salmon hatchery. It is expected that the hatchery will be completed during the coming year. The construction of the new fish pass at Ardnacrusha will commence shortly.

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
1946	...	6,473
1947	...	10,355
1948	...	8,809
1949	...	10,261
1950	...	12,551
1951	...	14,403
1952	...	14,653
1953	...	10,289
1954	...	17,408
1955	...	13,629
1956	...	9,433

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

The proceeds from sales of salmon were £12,776 as compared with £17,079 last year.

EEL FISHERIES

The take from the eel weir at Killaloe was 13,944 lbs. as against 30,498 lbs. for the previous season. The receipts from the sale of eels amounted to £1,808. The retention of water storage for hydro-electric purposes following the dry summer, resulted in unfavourable conditions during the fishing season and small catches of eels. An improved system of storing eels was introduced at Killaloe.

SALMON ROD FISHERIES

The revenue from the leasing of angling rights and the sale of angling permits amounted to £1,440 as against £1,195 in the previous year.

RIVER ERNE FISHERIES

The recorded run of salmon through the fish counter at Cathaleen's Fall was 6,571 as compared with 2,593 in the previous year. To preserve the stocks of fish in the river, it was decided to refrain from fishing during the year. The potentialities of these fisheries are being investigated.

RIVER LEE FISHERIES

In connection with the hydro-electric development of the river a number of fisheries was acquired including a commercial fishery which is being operated on an experimental basis. Small tributaries entering the reservoir area have been opened up to provide access for salmon on spawning migration. The total new natural spawning ground thus made available is insufficient to compensate for the loss that will occur in the reservoir areas. Accordingly large scale works, including the provision of devices for catching and holding salmon to facilitate stripping were undertaken, and a hatchery with an initial capacity of approximately six million ova was in course of erection. The hatchery is capable of being extended to ten million ova and part of it will be used for the production of brown trout to stock the reservoir.

(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.

8th June, 1956.

APPENDICES

LIST OF 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	
		1956	1955	1956 thousands	1955 thousands
ATHLONE	**151·8**	**27,479**	**24,279**	**15,977**	**14,935**
Town	44·9	10,893	10,559	15,025	14,434
Rural	*106·9*	*16,586*	*13,720*	*952*	*501*
CORK No. 1	**112·0**	**26,776**	**26,113**	**35,116**	**33,783**
Town	112·0	26,776	26,113	35,116	33,783
Rural	—	—	—	—	—
CORK No. 2	**151·1**	**30,659**	**27,472**	**20,209**	**18,407**
Town	53·4	14,234	14,196	16,292	15,636
Rural	*97·7*	*16,425*	*13,276*	*3,917*	*2,771*
DUBLIN No. 1	**494·7**	**123,053**	**121,464**	**100,054**	**93,452**
Town	494·7	123,053	121,464	100,054	93,452
Rural	—	—	—	—	—
DUBLIN No. 2	**238·0**	**66,033**	**61,061**	**57,137**	**51,194**
Town	164·4	51,400	47,309	50,091	45,489
Rural	*73·6*	*14,633*	*13,752*	*7,046*	*5,705*
DUNDALK	**182·8**	**35,123**	**31,036**	**67,803**	**64,645**
Town	72·3	17,944	17,604	64,289	62,708
Rural	*110·5*	*17,179*	*13,432*	*3,514*	*1,937*
GALWAY	**159·8**	**28,273**	**22,447**	**6,071**	**5,388**
Town	44·6	9,773	9,694	5,165	4,780
Rural	*115·2*	*18,500*	*12,753*	*906*	*608*
LIMERICK	**234·9**	**48,032**	**43,242**	**45,140**	**42,105**
Town	96·8	23,405	23,362	39,781	37,831
Rural	*138·1*	*24,627*	*19,880*	*5,359*	*4,274*
PORTLAOISE	**155·9**	**32,285**	**28,567**	**35,437**	**33,241**
Town	65·6	16,680	16,309	30,625	29,474
Rural	*90·3*	*15,605*	*12,258*	*4,812*	*3,767*
SLIGO	**209·4**	**33,287**	**25,922**	**9,093**	**7,902**
Town	45·8	11,573	11,496	5,083	4,790
Rural	*163·6*	*21,714*	*14,426*	*4,010*	*3,112*
TRALEE	**102·8**	**20,042**	**16,179**	**6,198**	**5,433**
Town	31·6	7,686	7,600	4,997	4,916
Rural	*71·2*	*12,356*	*8,579*	*1,201*	*517*
WATERFORD	**198·8**	**38,504**	**34,119**	**28,776**	**28,058**
Town	95·2	23,350	22,539	19,924	19,538
Rural	*103·6*	*15,154*	*11,580*	*8,852*	*8,520*
Totals	**2,392·0**	**509,546**	**461,901**	**427,011***	**398,543***
Town	1,321·3	336,767	328,245	386,442	366,831
Rural	*1,070·7*	*172,779*	*133,656*	*40,569*	*31,712*

* The difference in total power units as compared with the Summary on page 9 is due to end-of-year adjustments.

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March,		Motive Power Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
ATHLONE DISTRICT					
ATHLONE AREA ...	**19·8**	**4,202**	**4,026**	**4,522**	**4,692**
Athlone	9·0	2,353	2,275	4,428	4,647
Moate	1·3	287	278	46	38
Rural Areas	*9·5*	*1,562*	*1,473*	*48*	*7*
BALLINASLOE AREA ...	**14·3**	**2,140**	**1,967**	**1,506**	**1,269**
Ballinasloe	5·6	768	760	1,055	888
Villages under 1,000 population	*·2*	*76*	*73*	*208*	*330*
Rural Areas	*8·5*	*1,296*	*1,134*	*243*	*51*
BIRR AREA	**24·1**	**4,258**	**3,656**	**831**	**656**
Birr and Crinkle	3·6	798	837	279	260
Villages under 1,000 population	*2·3*	*770*	*710*	*161*	*163*
Rural Areas	*18·2*	*2,690*	*2,109*	*391*	*233*
LONGFORD AREA ...	**27·4**	**4,833**	**4,005**	**585**	**515**
Granard	1·2	253	243	36	27
Longford	3·8	1,037	1,019	250	218
Villages under 1,000 population	*1·2*	*348*	*328*	*246*	*230*
Rural Areas	*21·2*	*3,195*	*2,415*	*53*	*40*
MULLINGAR AREA ...	**30·0**	**5,490**	**4,441**	**780**	**664**
Mullingar	5·6	1,377	1,350	684	594
Rural Areas	*24·4*	*4,113*	*3,091*	*96*	*70*
ROSCOMMON AREA ...	**20·6**	**3,777**	**3,154**	**1,294**	**972**
Roscommon	2·0	548	536	1,188	882
Rural Areas	*18·6*	*3,229*	*2,618*	*106*	*90*
TULLAMORE AREA ...	**15·6**	**2,779**	**3,030**	**6,459**	**6,167**
Clara	1·7	508	494	2,781	2,711
Tullamore	6·2	1,477	1,370	3,624	3,403
Villages under 1,000 population	*1·2*	*293*	*286*	*39*	*43*
Rural Areas	*6·5*	*501*	*880*	*15*	*10*
TOTALS ...	**151·8**	**27,479**	**24,279**	**15,977**	**14,935**
CORK No. 1 DISTRICT					
CORK CITY AREA ...	**112·0**	**26,776**	**26,113**	**35,116**	**33,783**
Cork City	112·0	26,776	26,113	35,116	33,783
TOTALS ...	**112·0**	**26,776**	**26,113**	**35,116**	**33,783**
CORK No. 2 DISTRICT					
BANDON AREA ...	**12·4**	**2,697**	**2,404**	**1,484**	**1,163**
Bandon	3·3	1,020	1,004	623	562
Kinsale	2·1	614	613	101	54
Villages under 1,000 population	*·3*	*92*	*88*	*46*	*42*
Rural Areas	*6·7*	*971*	*699*	*714*	*505*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March, 1956	No. of Consumers at 31st March, 1955	Motive Power Units sold year ended 31st March 1956 thousands	Motive Power Units sold year ended 31st March 1955 thousands
CORK No. 2 DISTRICT—*continued*					
BANTRY AREA	**9·6**	**1,593**	**1,546**	**159**	**91**
Bantry	2·3	579	570	111	42
Villages under 1,000 population	*·1*	*120*	*117*	*9*	*9*
Rural Areas	*7·2*	*894*	*859*	*39*	*40*
CARRIGALINE AREA ...	**14·5**	**2,733**	**2,659**	**494**	**444**
Monkstown	2·7	192	188	2	2
Passage West		427	424	37	33
Villages under 1,000 population	*1·3*	*386*	*361*	*433*	*399*
Rural Areas	*10·5*	*1,728*	*1,686*	*22*	*10*
CLONAKILTY AREA ...	**10·5**	**1,889**	**1,715**	**757**	**751**
Clonakilty	2·7	626	609	317	310
Rural Areas	*7·8*	*1,263*	*1,106*	*440*	*441*
COBH AREA	**7·4**	**1,828**	**1,781**	**3,537**	**3,322**
Cobh	5·7	1,513	1,474	3,527	3,320
Rural Areas	*1·7*	*315*	*307*	*10*	*2*
DUNMANWAY AREA ...	**9·4**	**2,004**	**1,908**	**807**	**797**
Dunmanway	1·4	397	388	84	63
Skibbereen	2·3	649	640	161	183
Villages under 1,000 population	*1·4*	*466*	*456*	*497*	*479*
Rural Areas	*4·3*	*492*	*424*	*65*	*72*
FERMOY AREA ...	**16·7**	**3,448**	**2,896**	**1,424**	**1,449**
Fermoy	4·0	1,013	1,041	278	267
Mitchelstown	2·1	661	657	979	1,077
Villages under 1,000 population	*1·0*	*164*	*274*	*56*	*96*
Rural Areas	*9·6*	*1,610*	*924*	*111*	*9*
KILBARRY AREA ...	**23·8**	**4,205**	**4,302**	**1,932**	**1,716**
Villages under 1,000 population	*1·5*	*425*	*393*	*636*	*606*
Rural Areas	*22·3*	*3,780*	*3,909*	*1,296*	*1,110*
MACROOM AREA ...	**4·8**	**1,657**	**578**	**346**	**150**
Macroom...	2·3	588	578	137	150
Rural Areas	*2·5*	*1,069*	*Nil*	*209*	*Nil*
MALLOW AREA ...	**21·6**	**4,419**	**3,906**	**3,630**	**3,596**
Mallow	5·6	1,365	1,349	2,128	2,185
Villages under 1,000 population	*1·6*	*494*	*516*	*590*	*970*
Rural Areas	*14·4*	*2,560*	*2,041*	*912*	*441*
MIDLETON AREA ...	**13·4**	**2,727**	**2,482**	**2,900**	**2,574**
Midleton	2·8	716	796	1,684	1,458
Villages under 1,000 population	*2·1*	*589*	*563*	*1,129*	*975*
Rural Areas	*8·5*	*1,422*	*1,123*	*87*	*141*
YOUGHAL AREA ...	**7·0**	**1,459**	**1,295**	**2,739**	**2,354**
Youghal	4·8	1,138	1,097	2,727	2,354
Rural Areas	*2·2*	*321*	*198*	*12*	*Nil*
TOTALS ...	**151·1**	**30,659**	**27,472**	**20,209**	**18,407**
DUBLIN No. 1 DISTRICT					
DUBLIN CITY AREA ...	**494·7**	**123,053**	**121,464**	**100,054**	**93,452**
Dublin City	494·7	123,053	121,464	100,054	93,452
TOTALS ...	**494·7**	**123,053**	**121,464**	**100,054**	**93,452**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
DUBLIN No. 2 DISTRICT					
BALLYMUN AREA ...	**20·3**	**7,635**	**6,732**	**11,512**	**10,875**
Artane					
Ballymun					
Castleknock					
Coolock	16·3	6,852	5,938	11,247	10,601
Finglas					
Santry					
Blanchardstown					
Rural Areas	*4·0*	*783*	*794*	*265*	*274*
BRAY AREA	**16·3**	**4,658**	**4,560**	**1,407**	**1,236**
Bray	15·0	4,089	4,017	1,255	1,091
Shankill–Loughlinstown ...					
Rural Areas	*1·3*	*569*	*543*	*152*	*145*
CHAPELIZOD AREA ...	**27·3**	**7,474**	**6,771**	**27,189**	**24,038**
Chapelizod					
The Ranch	21·5	5,646	5,022	734	592
Palmerstown					
Clondalkin	2·3	1,027	887	25,705	22,741
Bluebell					
Rural Areas	*3·5*	*801*	*862*	*750*	*705*
DUN LAOGHAIRE AREA	**75·9**	**23,600**	**21,828**	**3,574**	**3,049**
Dundrum–Milltown ...					
Dún Laoghaire Borough ...	74·0	22,969	21,220	3,100	2,771
Stillorgan–Ballybrack ...					
Kilternan–Scalp					
Rural Areas	*1·9*	*631*	*608*	*474*	*278*
GRANGE AREA ...	**2·6**	**2,205**	**1,745**	**328**	**348**
Raheny	2·3	1,944	1,468	318	338
Baldoyle					
Rural Areas	*·3*	*261*	*277*	*10*	*10*
GREYSTONES AREA ...	**8·1**	**2,020**	**1,967**	**214**	**221**
Greystones	2·2	753	723	45	29
Delgany–Killincarrig ...	1·6	434	456	9	8
Newtownmountkennedy ...					
Rural Areas	*4·3*	*833*	*788*	*160*	*184*
HOWTH AREA	**5·8**	**1,321**	**1,302**	**515**	**271**
Howth–Sutton	5·8	1,321	1,302	515	271
LEIXLIP AREA	**11·7**	**3,440**	**3,406**	**6,770**	**6,048**
Lucan	1·3	430	433	5,099	4,447
Celbridge	1·5	415	406	156	741
Leixlip					
Maynooth	·8	243	233	98	103
Rural Areas	*8·1*	*2,352*	*2,334*	*1,417*	*757*
NAAS AREA	**15·4**	**2,868**	**2,775**	**2,154**	**2,287**
Naas	3·7	891	865	497	658
Rural Areas	*11·7*	*1,977*	*1,910*	*1,657*	*1,629*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power: Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
DUBLIN No. 2 DISTRICT—*continued*					
SKERRIES AREA ...	**13·5**	**2,528**	**2,501**	**703**	**610**
Balbriggan	2·9	709	698	307	280
Skerries	2·5	741	739	107	56
Rural Areas	*8·1*	*1,078*	*1,064*	*289*	*274*
SWORDS AREA	**13·4**	**3,569**	**3,423**	**1,308**	**1,115**
Malahide	3·1	877	870	110	103
Portmarnock					
Rush	1·9	580	563	72	52
Swords	1·1	415	414	181	144
Rural Areas	*7·3*	*1,697*	*1,576*	*945*	*816*
SUMMERHILL Area (Rural)	**14·7**	**2,113**	**1,828**	**388**	**121**
Summerhill Rural ...	14·7	2,113	1,828	388	121
WICKLOW AREA ...	**13·0**	**2,602**	**2,223**	**1,075**	**975**
Rathdrum	1·3	225	225	94	40
Wicklow	3·3	839	830	442	423
Rural Areas	*8·4*	*1,538*	*1,168*	*539*	*512*
TOTALS ...	**238·0**	**66,033**	**61,061**	**57,137**	**51,194**
DUNDALK DISTRICT					
ARDEE AREA	**22·2**	**4,317**	**2,412**	**6,014**	**4,797**
Ardee	2·5	570	558	1,943	1,708
Carrickmacross	2·1	597	582	204	171
Villages under 1,000 population	*1·5*	*607*	*591*	*2,828*	*2,453*
Rural Areas	*16·1*	*2,543*	*681*	*1,039*	*465*
MONAGHAN AREA ...	**18·6**	**3,271**	**3,006**	**2,069**	**1,884**
Ballybay	1·0	323	316	266	216
Castleblayney	2·2	521	505	592	593
Monaghan	4·7	976	951	621	598
Rural Areas	*10·7*	*1,451*	*1,234*	*590*	*477*
CAVAN AREA	**17·0**	**2,858**	**2,446**	**1,736**	**1,534**
Belturbet	1·2	309	301	220	193
Cavan	3·6	890	886	663	537
Villages under 1,000 population	*2·8*	*623*	*693*	*624*	*741*
Rural Areas	*9·4*	*1,036*	*566*	*229*	*63*
COOTEHILL AREA ...	**9·3**	**1,869**	**1,492**	**555**	**483**
Clones	2·5	687	679	93	74
Cootehill	1·5	415	403	461	409
Villages under 1,000 population	*·1*	*16*	*15*	*Nil*	*Nil*
Rural Areas	*5·2*	*751*	*395*	*1*	*Nil*
DROGHEDA AREA ...	**35·9**	**6,725**	**6,906**	**52,382**	**51,434**
Drogheda	16·8	3,777	3,636	51,110	50,763
Villages under 1,000 population	*·6*	*200*	*199*	*41*	*38*
Rural Areas	*18·5*	*2,748*	*3,071*	*1,231*	*633*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
DUNDALK DISTRICT—*continued*					
DUNDALK AREA ...	**40·2**	**8,812**	**8,427**	**3,595**	**3,229**
Dundalk	19·7	4,690	4,621	3,362	3,036
Villages under 1,000 population	*·8*	*233*	*235*	*33*	*31*
Rural Areas	*19·7*	*3,889*	*3,571*	*200*	*162*
NAVAN AREA	**20·3**	**4,082**	**3,640**	**1,192**	**1,018**
An Uaimh (Navan) ...	4·3	1,136	1,110	865	815
Trim	1·3	366	339	123	78
Rural Areas	*14·7*	*2,580*	*2,191*	*204*	*125*
KELLS AREA	**19·3**	**3,189**	**2,707**	**260**	**266**
Ceannanus Mor (Kells) ...	2·1	597	584	113	106
Villages under 1,000 population	*1·0*	*411*	*400*	*127*	*148*
Rural Areas	*16·2*	*2,181*	*1,723*	*20*	*12*
TOTALS ...	**182·8**	**35,123**	**31,036**	**67,803**	**64,645**
GALWAY DISTRICT					
CLAREMORRIS AREA ...	**27·9**	**5,025**	**4,512**	**772**	**696**
Ballinrobe	1·2	337	336	80	74
Ballyhaunis	1·1	351	343	93	86
Claremorris	1·1	415	415	290	334
Rural Areas	*24·5*	*3,922*	*3,418*	*309*	*202*
GALWAY AREA ...	**43·2**	**7,327**	**6,433**	**2,710**	**2,533**
Galway	21·3	4,388	4,300	2,332	2,264
Villages under 1,000 population	*·2*	*64*	*57*	*7*	*4*
Rural Areas	*21·7*	*2,875*	*2,076*	*371*	*265*
GORT AREA	**28·1**	**5,294**	**3,108**	**558**	**432**
Athenry	1·2	279	285	194	198
Gort	1·0	293	290	67	56
Loughrea	2·8	534	534	238	150
Villages under 1,000 population	*·1*	*38*	*33*	*9*	*9*
Rural Areas	*23·0*	*4,150*	*1,966*	*50*	*19*
TUAM AREA	**30·1**	**5,410**	**3,412**	**161**	**152**
Tuam	5·0	1,102	1,084	127	123
Villages under 1,000 population	*·5*	*144*	*138*	*4*	*5*
Rural Areas	*24·6*	*4,164*	*2,190*	*30*	*24*
WESTPORT AREA ...	**30·5**	**5,217**	**4,982**	**1,870**	**1,575**
Castlebar	5·3	952	914	1,146	1,075
Westport	3·1	764	757	568	391
Villages under 1,000 population	*·7*	*112*	*208*	*10*	*11*
Rural Areas	*21·4*	*3,389*	*3,103*	*146*	*98*
TOTALS ...	**159·8**	**28,273**	**22,447**	**6,071**	**5,388**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
LIMERICK DISTRICT					
CAHIR AREA	**18·3**	**3,246**	**2,918**	**631**	**1,096**
Cahir	1·6	509	494	171	179
Cashel	2·8	572	565	68	73
Rural Areas	*13·9*	*2,165*	*1,859*	*392*	*844*
ENNIS AREA	**21·5**	**4,336**	**3,805**	**2,352**	**1,816**
Ennis	6·1	1,738	1,694	623	535
Villages under 1,000 population	*1·3*	*321*	*396*	*831*	*682*
Rural Areas	*14·1*	*2,277*	*1,715*	*898*	*599*
ENNISTYMON AREA ...	**5·4**	**1,280**	**1,246**	**175**	**178**
Ennistymon	1·1	341	331	120	135
Villages under 1,000 population	*1·5*	*517*	*508*	*51*	*41*
Rural Areas	*2·8*	*422*	*407*	*4*	*2*
KILMALLOCK AREA ...	**18·3**	**3,265**	**3,314**	**660**	**727**
Kilmallock	1·1	334	329	148	122
Villages under 1,000 population	*2·7*	*605*	*676*	*159*	*218*
Rural Areas	*14·5*	*2,326*	*2,309*	*353*	*387*
KILRUSH AREA ...	**9·1**	**2,173**	**1,530**	**974**	**378**
Kilkee	1·7	435	400	30	27
Kilrush	3·2	721	706	*942*	351
Rural Areas	*4·2*	*1,017*	*424*	*2*	*Nil*
LIMERICK AREA ...	**77·9**	**16,970**	**16,765**	**33,042**	**33,309**
Killaloe–Ballina	1·0	309	302	65	61
Limerick	50·8	11,810	11,621	32,004	32,209
Villages under 1,000 population	*1·1*	*193*	*291*	*61*	*65*
Rural Areas	*25·0*	*4,658*	*4,551*	*912*	*974*
NENAGH AREA ...	**11·2**	**2,410**	**2,316**	**2,788**	**1,017**
Nenagh	4·4	1,170	1,135	2,759	998
Villages under 1,000 population	*·8*	*74*	*209*	*5*	*10*
Rural Areas	*6·0*	*1,166*	*972*	*24*	*9*
RATHKEALE AREA ...	**25·1**	**5,239**	**4,021**	**2,152**	**1,878**
Newcastle West	2·6	624	610	135	104
Rathkeale	1·5	327	323	81	72
Villages under 1,000 population	*2·8*	*788*	*750*	*720*	*670*
Rural Areas	*18·2*	*3,500*	*2,338*	*1,216*	*1,032*
RATHLUIRC AREA ...	**13·5**	**3,021**	**2,091**	**1,237**	**822**
Rathluirc (Charleville) ...	1·9	572	587	248	377
Villages under 1,000 population	*·7*	—	*44*	—	*324*
Rural Areas	*10·9*	*2,449*	*1,460*	*989*	*121*
TIPPERARY AREA ...	**34·6**	**6,092**	**5,236**	**1,129**	**884**
Tipperary	5·1	1,210	1,170	605	511
Villages under 1,000 population	*1·0*	*235*	*221*	*47*	*67*
Rural Areas	*28·5*	*4,647*	*3,845*	*477*	*306*
TOTALS ...	**234·9**	**48,032**	**43,242**	**45,140**	**42,105**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
PORTLAOISE DISTRICT					
ATHY AREA	**14·2**	**2,383**	**1,730**	**6,836**	**6,931**
Athy	3·8	918	913	6,683	6,826
Rural Areas	*10·4*	*1,465*	*817*	*153*	*105*
CARLOW AREA ...	**18·3**	**3,704**	**3,525**	**1,458**	**1,357**
Carlow	7·7	1,684	1,648	1,029	978
Muine Bheag	1·9	477	466	176	138
Rural Areas	*8·7*	*1,543*	*1,411*	*253*	*241*
DROICHEAD NUA AREA	**10·2**	**2,477**	**2,180**	**2,786**	**2,830**
Droichead Nua	3·0	985	1,011	2,742	2,797
Villages under 1,000 population	*1·1*	*323*	*316*	*31*	*32*
Rural Areas	*6·1*	*1,169*	*853*	*13*	*1*
EDENDERRY AREA ...	**5·6**	**1,855**	**533**	**617**	**626**
Edenderry	2·6	545	533	608	626
Rural Areas	*3·0*	*1,310*	*Nil*	*9*	*Nil*
KILDARE AREA ...	**11·4**	**1,708**	**2,081**	**7,782**	**7,183**
Kildare	2·3	602	582	6,447	5,689
Villages under 1,000 population	*·4*	*133*	*127*	*82*	*61*
Rural Areas	*8·7*	*973*	*1,372*	*1,253*	*1,433*
KILKENNY AREA ...	**33·7**	**6,830**	**5,907**	**6,353**	**5,352**
Callan	1·5	344	333	191	230
Kilkenny	10·8	2,679	2,612	918	844
Castlecomer	1·1	294	286	3,376	2,792
Villages under 1,000 population	*1·6*	*426*	*422*	*209*	*193*
Rural Areas	*18·7*	*3,087*	*2,254*	*1,659*	*1,293*
PORTARLINGTON AREA	**12·9**	**2,304**	**2,366**	**3,092**	**2,931**
Mountmellick	2·5	561	550	210	213
Portarlington	2·2	634	631	2,735	2,585
Villages under 1,000 population	*·4*	*165*	*162*	*135*	*120*
Rural Areas	*7·8*	*944*	*1,023*	*12*	*13*
PORTLAOISE AREA ...	**12·7**	**2,977**	**2,591**	**2,076**	**2,167**
Mountrath–Castletown ...	1·2	314	306	92	73
Portlaoise	3·8	1,062	1,037	1,690	1,893
Villages under 1,000 population	*2·1*	*639*	*623*	*284*	*200*
Rural Areas	*5·6*	*962*	*625*	*10*	*1*
ROSCREA AREA ...	**9·8**	**2,295**	**2,184**	**1,674**	**1,477**
Roscrea	3·0	836	772	1,331	1,154
Villages under 1,000 population	*·9*	*321*	*310*	*41*	*38*
Rural Areas	*5·9*	*1,138*	*1,102*	*302*	*285*
THURLES AREA ...	**17·8**	**3,778**	**3,528**	**2,455**	**2,084**
Templemore	2·0	456	454	590	445
Thurles	6·3	1,322	1,282	775	1,323
Villages under 1,000 population	*·5*	*143*	*135*	*56*	*47*
Rural Areas	*9·0*	*1,857*	*1,657*	*1,034*	*269*
TULLOW AREA ...	**9·3**	**1,974**	**1,942**	**308**	**303**
Tullow	1·7	423	422	102	93
Villages under 1,000 population	*1·2*	*394*	*376*	*92*	*84*
Rural Areas	*6·4*	*1,157*	*1,144*	*114*	*126*
TOTALS ...	**155·9**	**32,285**	**28,567**	**35,437**	**33,241**

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
SLIGO DISTRICT					
BALLAGHADEREEN AREA	**14·6**	**2,686**	**1,618**	**315**	**350**
Ballaghadereen	1·4	350	348	102	109
Castlerea	1·2	462	445	183	212
Villages under 1,000 population	*·3*	*32*	*89*	*3*	*29*
Rural Areas	*11·7*	*1,842*	*736*	*27*	*Nil*
BALLINA AREA ...	**26·8**	**4,693**	**3,635**	**376**	**322**
Ballina–Crocketstown ...	6·3	1,576	1,562	287	284
Villages under 1,000 population	*1·5*	*350*	*439*	*31*	*33*
Rural Areas	*19·0*	*2,767*	*1,634*	*58*	*5*
BALLYSHANNON AREA	**9·0**	**1,838**	**1,696**	**166**	**162**
Ballyshannon	2·8	711	698	66	72
Bundoran	1·7	416	405	82	88
Rural Areas	*4·5*	*711*	*593*	*18*	*2*
BUNCRANA AREA ...	**4·6**	**1,320**	**672**	**152**	**89**
Buncrana	3·0	684	672	140	89
Rural Areas	*1·6*	*636*	*Nil*	*12*	*Nil*
CARRICK-ON-SHANNON AREA	**24·3**	**3,483**	**2,235**	**1,109**	**1,099**
Carrick-on-Shannon ...	1·5	405	393	874	593
Villages under 1,000 population	*2·9*	*835*	*811*	*129*	*444*
Rural Areas	*19·9*	*2,243*	*1,031*	*106*	*62*
KILLYBEGS AREA (RURAL)	**16·0**	**2,602**	**2,510**	**419**	**373**
Rural Areas	*16·0*	*2,602*	*2,510*	*419*	*373*
LETTERKENNY AREA ...	**57·2**	**7,164**	**5,478**	**2,155**	**1,492**
Letterkenny	3·0	827	791	307	205
Villages under 1,000 population	*1·1*	*365*	*363*	*1,139*	*1,111*
Rural Areas	*53·1*	*5,972*	*4,324*	*709*	*176*
SLIGO AREA	**32·2**	**5,878**	**5,597**	**3,803**	**3,509**
Sligo	13·5	2,974	2,917	1,025	983
Villages under 1,000 population	*·9*	*297*	*290*	*170*	*43*
Rural Areas	*17·8*	*2,607*	*2,390*	*2,608*	*2,483*
SWINFORD AREA ...	**24·7**	**3,623**	**2,481**	**598**	**506**
Kiltimagh	1·0	260	262	236	206
Swinford	1·2	326	333	33	46
Villages under 1,000 population	*2·5*	*703*	*678*	*276*	*243*
Rural Areas	*20·0*	*2,334*	*1,208*	*53*	*11*
TOTALS ...	**209·4**	**33,287**	**25,922**	**9,093**	**7,902**
TRALEE DISTRICT					
KANTURK AREA ...	**16·8**	**3,569**	**2,900**	**963**	**840**
Kanturk	1·6	487	477	425	438
Villages under 1,000 population	*1·9*	*557*	*623*	*215*	*298*
Rural Areas	*13·3*	*2,525*	*1,800*	*323*	*104*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power: Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
TRALEE DISTRICT—*continued*					
KILLARNEY AREA ...	**19·1**	**3,056**	**2,459**	**1,805**	**1,705**
Killarney	6·3	1,289	1,262	308	345
Villages under 1,000 population	*1·4*	*490*	*475*	*1,345*	*1,317*
Rural Areas	*11·4*	*1,277*	*722*	*152*	*43*
LISTOWEL AREA ...	**18·8**	**3,778**	**2,237**	**847**	**698**
Abbeyfeale	1·2	327	321	70	57
Listowel	3·1	713	695	355	355
Villages under 1,000 population	*2·1*	*639*	*629*	*253*	*238*
Rural Areas	*12·4*	*2,099*	*592*	*169*	*48*
TRALEE AREA	**48·1**	**9,639**	**8,583**	**2,583**	**2,190**
Castleisland	1·5	414	409	393	476
Tralee	11·0	2,770	2,709	1,633	1,392
Dingle	1·5	6,455	5,465	557	322
Rural Areas	*34·1*				
TOTALS ...	**102·8**	**20,042**	**16,179**	**6,198**	**5,433**
WATERFORD DISTRICT					
ARKLOW AREA ...	**17·8**	**3,641**	**3,340**	**3,465**	**3,232**
Arklow	5·2	1,351	1,323	2,676	2,410
Gorey	2·9	673	662	672	722
Rural Areas	*9·7*	*1,617*	*1,355*	*117*	*100*
CARRICK-ON-SUIR AREA	**15·7**	**2,726**	**2,514**	**1,721**	**1,752**
Carrick-on-Suir	4·8	1,014	970	645	608
Villages under 1,000 population	*·9*	*242*	*243*	*446*	*573*
Rural Areas	*10·0*	*1,470*	*1,301*	*630*	*571*
CLONMEL AREA ...	**23·0**	**4,408**	**3,970**	**2,930**	**3,162**
Clonmel	10·5	2,353	2,278	1,120	1,252
Fethard	1·0	286	277	38	50
Villages under 1,000 population	*·5*	*137*	*131*	*49*	*43*
Rural Areas	*11·0*	*1,632*	*1,284*	*1,723*	*1,817*
DUNGARVAN AREA ...	**22·0**	**3,997**	**3,843**	**2,638**	**2,236**
Dungarvan	5·4	1,289	1,266	1,158	987
Lismore	1·1	319	310	21	21
Villages under 1,000 population	*1·5*	*457*	*453*	*108*	*161*
Rural Areas	*14·0*	*1,932*	*1,814*	*1,351*	*1,067*
ENNISCORTHY AREA ...	**26·1**	**5,053**	**3,816**	**2,083**	**1,999**
Enniscorthy	5·9	1,422	1,441	1,637	1,603
Villages under 1,000 population	*2·1*	*762*	*686*	*207*	*262*
Rural Areas	*18·1*	*2,869*	*1,689*	*239*	*134*
NEW ROSS AREA ...	**21·8**	**3,899**	**3,079**	**1,687**	**1,592**
Graiguenamanagh–Tinnahinch	1·4	307	302	290	458
New Ross	4·9	1,123	1,104	1,199	895
Villages under 1,000 population	*1·6*	*480*	*451*	*45*	*41*
Rural Areas	*13·9*	*1,989*	*1,222*	*153*	*198*

Areas and Towns Supplied	Approx. Population thousands	No. of Consumers at 31st March		Motive Power Units sold year ended 31st March	
		1956	1955	1956 thousands	1955 thousands
WATERFORD DISTRICT—*continued*					
TRAMORE AREA ...	**6·7**	**1,660**	**1,202**	**262**	**171**
Tramore	2·8	824	698	149	142
Villages under 1,000 population	*·7*	*284*	*275*	*24*	*23*
Rural Areas	*3·2*	*552*	*229*	*89*	*6*
WATERFORD AREA ...	**35·5**	**7,868**	**7,552**	**11,811**	**11,900**
Waterford	28·7	6,842	6,599	7,905	7,835
Rural Areas	*6·8*	*1,026*	*953*	*3,906*	*4,065*
WEXFORD AREA ...	**30·2**	**5,252**	**4,803**	**2,179**	**2,014**
Wexford	12·0	2,830	2,725	1,467	1,351
Villages under 1,000 population	*1·3*	*355*	*345*	*68*	*64*
Rural Areas	*16·9*	*2,067*	*1,733*	*644*	*599*
TOTALS ...	**198·8**	**38,504**	**34,119**	**28,776**	**28,058**

APPENDIX II

RURAL ELECTRIFICATION

Areas Completed during Year ended 31st March, 1956

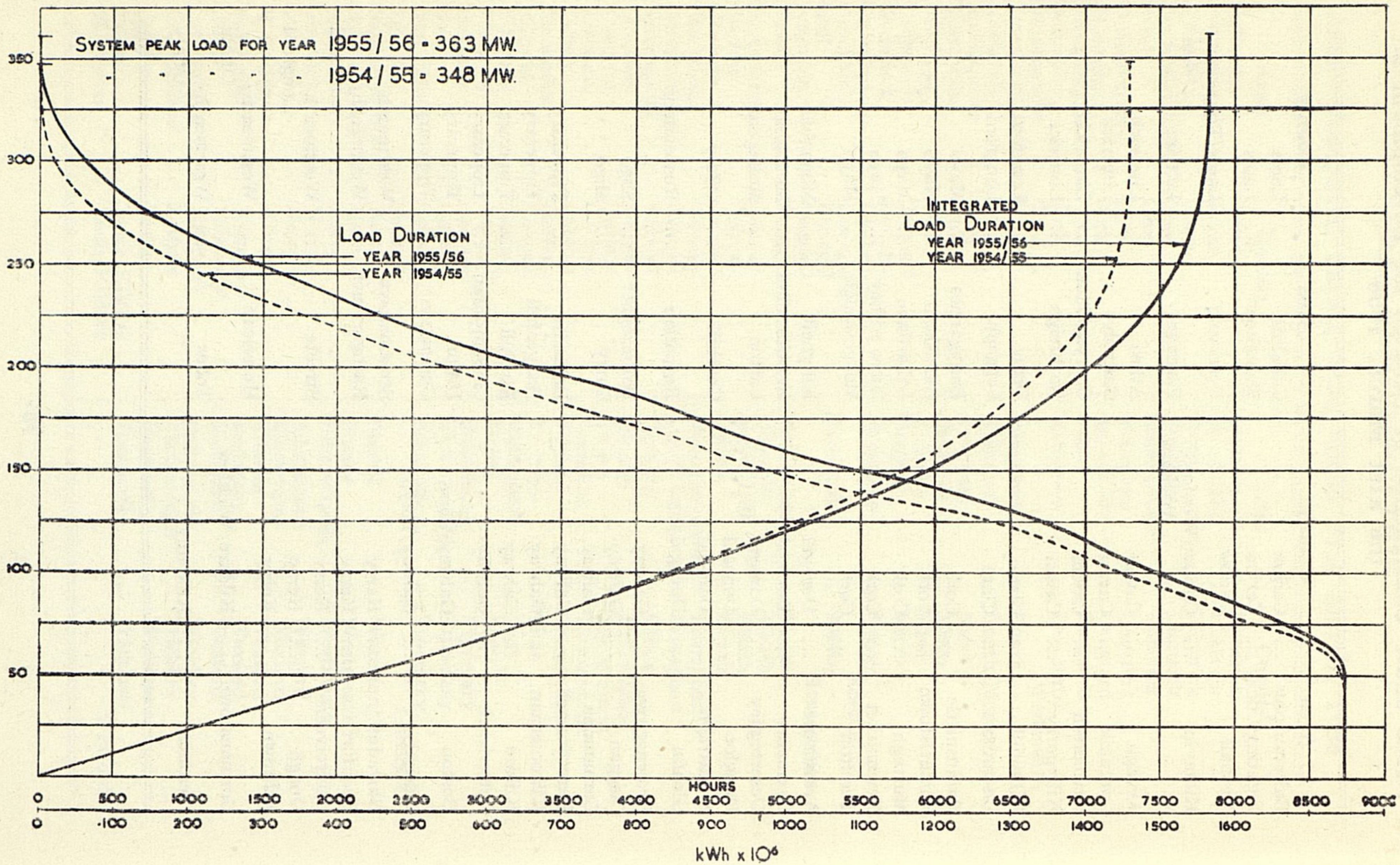
Area	County
Ballinagh	Cavan
Tullyvin	Cavan
Knockerra	Clare
Mountshannon	Clare
Ruan	Clare
Ballindangan	Cork
Ballingeary	Cork
Carrigtwohill	Cork
Doneraile	Cork
Drumtarriffe	Cork
Freemount	Cork
Inchigeela	Cork
Innishannon	Cork
Kilbrittain	Cork
Kilcorney	Cork
Drumkeen	Donegal
Gortahork	Donegal
Gweedore	Donegal
Kerrykeel	Donegal
Muff	Donegal
Portsalon	Donegal
Rosses	Donegal
Barnaderg	Galway
Belclare	Galway
Clonbern	Galway
Cnoc Breac	Galway
Gortymadden	Galway
Kilbeacanty	Galway
Kilcoona	Galway
Kilkerrin	Galway
Killannin	Galway
Killian	Galway
Kiltiernan	Galway
Kiltulla	Galway
Kilrickle	Galway
Kinvarra	Galway
Liskeevy	Galway
Maree	Galway
Roundstone	Galway
Aghadoe	Kerry
Ballydonoghue	Kerry
Ballylongford	Kerry
Firies	Kerry
Glenflesk	Kerry
Listowel	Kerry
Moyvalley	Kildare
Ballycallan	Kilkenny
Callan	Kilkenny
Corbetstown	Kilkenny
Drumshanbo	Leitrim
Camross	Laois
Arless	Laois/Kildare
Ballylynan	Laois/Kildare

Area	County
Athlacca	Limerick
Ballyhahill	Limerick
Croom	Limerick
Rockhill	Limerick
Shanagolden	Limerick
Abbeylara	Longford
Aghnacliffe	Longford
Legan	Longford
Rathowen	Longford/ Westmeath
Reaghstown	Louth
Killanny	Louth/Monaghan
Attymass	Mayo
Creevagh	Mayo
Killedan	Mayo
Midfield	Mayo
Brackloon	Mayo/ Roscommon
Carracastle	Mayo/ Roscommon
Hill of Down	Meath
Oldcastle	Meath
Meath Hill	Meath
Siddan	Meath
Donaghmoyne	Monaghan
Lough Egish	Monaghan
Kinnitty	Offaly
Cartron	Roscommon
Creeve	Roscommon
Drumlion	Roscommon
Kilglass	Roscommon
Dromore	Sligo
Mullaghroe	Sligo
Skreen	Sligo
Boherlahan	Tipperary
Glen of Aherlow	Tipperary
Kilcommon	Tipperary/ Limerick
Dunhill	Waterford
Finnea	Westmeath
Milltownpass	Westmeath
Adamstown	Wexford
Blackwater	Wexford
Killurin	Wexford
Monagear	Wexford
Newbawn	Wexford
Ballymoyle	Wicklow
Glendalough	Wicklow
Stratford	Wicklow
Tomacork	Wicklow/ Wexford

Areas under Construction or Selected for Development at the 31st March, 1956

Area	County
Ballymurphy	Carlow
Fighting Cocks	Carlow
Myshall	Carlow
Kildavin	Carlow/Wexford/Wicklow
Arvagh	Cavan
Cornakill	Cavan
Dernakesh	Cavan
Killygarry	Cavan
Kilmihill	Clare
Liscannor	Clare
Ballinspittle	Cork
Mitchelstown	Cork
Murragh	Cork
Newmarket	Cork
Terelton	Cork
Arranmore	Donegal
Clonmany	Donegal
Desertegney	Donegal
Dungloe	Donegal
Falcarragh	Donegal
Glenfin	Donegal
Brownsgrove	Galway
Cleggan	Galway
Cornamona	Galway
Derrydonnell	Galway
Kilconiernan	Galway
Killure	Galway
Letterfrack	Galway
Boston	Galway/Clare
Kilconly	Galway/Mayo
Barraduff	Kerry
Beaufort	Kerry
Cahirciveen	Kerry
Duagh	Kerry
Milltown	Kerry
Gormanstown	Kildare/Wicklow
Glenmore	Kilkenny
Cullahill	Laois
Shanahoe	Laois
Derryvale	Laois/Tipperary/Offaly
Farnaght	Leitrim
Athea	Limerick
Galbally	Limerick
Garryspillane	Limerick
Rathreigh	Limerick
Dring	Longford
Leggagh	Longford
Ballygarries	Mayo
Glenisland	Mayo
Lahardane	Mayo
Mayo Abbey	Mayo
Moygownagh	Mayo
Killyneill	Monaghan
Knockatallon	Monaghan
Latton	Monaghan
Geashill	Offaly
Rathallen	Roscommon
Ballintogher	Sligo
Curry	Sligo
Ballinure	Tipperary
Ballycahill	Tipperary
Birdhill	Tipperary
Cloughjordan	Tipperary
Drom	Tipperary
Gortnahoo	Tipperary
Streamstown	Westmeath
Rathgormuck	Westmeath/Longford
Streete	Westmeath/Longford
Horseleap	Westmeath/Offaly
Tober	Westmeath/Offaly

GENERATION LOAD DURATION & INTEGRATED LOAD DURATION CURVES — YEAR ENDED 31ST MARCH 1956



Distribution at High Tension of Units Generated

Year ended 31st March, 1956

District, etc.	kWh x 10^6	High Tension Units kWh x 10^6	Percentage of Total
Dublin City 5kV supply	263·310		
Dublin City 10kV supply	110·060		
TOTAL SUPPLY TO DUBLIN CITY		373·370	23·7
Cork City D.C. supply	0·160		
Cork City A.C. supply	82·550		
TOTAL SUPPLY TO CORK CITY		82·710	5·3
Athlone District		55·740	3·5
Cork No. 2 District		82·100	5·2
Dublin No. 2 District		210·290	13·4
Dundalk District		129·160	8.2
Galway District		47·260	3·0
Limerick District		125·080	8.0
Portlaoise District		83·360	5·3
Sligo District		53·130	3·4
Tralee District		31·910	2.0
Waterford District		99·320	6.3
Generating Station Auxiliaries		72·028	4.6
High Tension losses (110kV and 38kV)		127·692	8.1
Total generation of all stations	1,570·106		
Total supply purchased	3·044		
Total generation of all stations plus supply purchased		1,573·150	100.0

Monthly outputs (kWh x 10^6) of the Generating Stations and supply purchased
Year ended 31st March, 1956

Month (Calendar)	HYDRO STATIONS						STEAM STATIONS						Total of all Generating Stations	Total supply Purchased	Total Generation and supply Purchased
	RIVER SHANNON	RIVER ERNE		RIVER LIFFEY					DUBLIN			CORK			
	Ardnacrusha	Cliff	Cathaleen's Fall	Pollaphuca	Golden Falls	Leixlip	Portarlington	Allenwood	Pigeon House	North Wall	Ringsend	Marina			
April ...	15·885	3·214	9·297	1·078	0·468	0·838	7·706	20·388	8·694	22·122	—	24·504	114·194	0·254	114·448
May ...	25·992	4·924	14·648	0·876	0·340	0·744	9·087	17·401	1·620	13·174	—	25·061	113·867	0·223	114·090
June ...	33·329	4·968	12·713	2·489	0·939	1·244	9·018	15·649	0·973	8·416	—	15·096	104·834	0·232	105·066
July ...	16·136	4·265	12·952	1·781	0·709	0·921	12·481	14·019	3·290	17·196	—	17·157	100·907	0·192	101·099
August ...	6·206	0·093	0·975	0·218	0·051	0·161	14·782	21·909	14·133	21·383	0·144	18·114	98·169	0·179	98·348
September	4·570	0·634	2·173	1·406	0·518	0·619	16·326	23·148	16·733	11·079	6·545	28·417	112·168	0·158	112·326
October ...	7·313	2·237	6·596	0·588	0·207	0·250	16·049	22·179	19·203	15·530	13·586	31·080	134·818	0·181	134·999
November	14·649	3·789	11·440	0·420	0·203	0·267	14·628	23·555	20·294	20·658	16·497	21·420	147·820	0·304	148·124
December	30·201	7·693	19·897	1·261	0·546	0·761	8·891	15·361	6·765	10·674	19·241	39·685	160·976	0·292	161·268
January...	40·882	10·021	24·429	1·440	0·607	1·157	12·162	18·526	2·821	12·040	19·293	26·285	169·663	0·243	169·906
February	35·224	8·487	20·992	1·044	0·449	0·874	10·620	16·681	0·770	10·433	25·987	29·742	161·303	0·362	161·665
March ...	24·019	4·624	11·418	2·428	0·815	1·328	4·553	14·938	—	11·097	38·576	37·591	151·387	0·424	151·811
		54·949	147·530	15·029	5·852	9·164									
TOTALS	254·406	202·479		30·045			136·303	223·754	95·296	173·802	139·869	314·152	1,570·106	3·044	1,573·150

Performance of Generating Plant Year ended 31st March, 1956

(*a*) HYDRO-ELECTRIC STATIONS

Station	River	Total average inflow cbm/sec.	Water utilisation % *	Average water used at station cbm/sec.	Average water used per unit generated cbm	Rainfall at power station ins	Average available head m	Installed capacity kW	Units sent out kWh x 10^6	Plant load factor %	Cost of Generation per unit sent out	
											Works Cost Pence	Total Cost Pence
ARDNACRUSHA	Shannon	134·5	100 †	124·6	15·5	35·98‡ (catchment)	28·67	85,000	251·260	34·1	0·115	0·363
CLIFF	Erne	70·6	98·7	66·8	38·4	37·23‡	10·98	20,000	54·224	31·3	0·092	0·464
CATHALEEN'S FALL	Erne	70·6	97·1	68·5	14·7	37·23‡	29·26	45,000	145·355	37·3		
POLLAPHUCA	Liffey	7·0	100	5·2	11·0	30·93	48·58	30,000	14·429	5·7	0·340	1·173
GOLDEN FALLS	Liffey	7·0	100	4·8	26·1	30·93	16·68	4,000	5·743	16·7		
LEIXLIP	Liffey	11·6	99·9	7·7	26·7	25·16	17·52	4,000	8·959	26·1		

* The percentage utilisation of the total discharge for power production is exclusive of river compensation water and, in the case of the River Liffey, the draw-off for the Dublin City water supply. The draw-off for Dublin City water supply from Pollaphuca reservoir averaged 16.7 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	Fuel Used: Total tons	Fuel Used: lbs. per unit sent out	Fuel cost per ton £ s. d.	Fuel cost per unit sent out pence	Cost of generation per unit sent out: Works cost pence	Cost of generation per unit sent out: Total cost pence
PORTARLINGTON	Co. Laoise	25,000	128·111	62·1	Sod peat	159,700*	2·792*	2 10 0	0·761	0·913	1·120
ALLENWOOD ...	Co. Kildare	40,000	209·722	63·7	Sod peat	256,200*	2·736*	3 0 10	0·908	1·021	1·227
PIGEON HOUSE	Dublin	95,000	86·080	11·4	Coal	77,200	2·089	4 13 11	1·014	1·612	2·056
NORTH WALL	Dublin	44,500	161·732	44·5	Oil	62,200	0·861	6 9 9	0·599	0·729	0·960
RINGSEND ...	Dublin	60,000	132·428	44·8	Oil	43,600	0·737	6 10 5	0·515	0·558	1·005‡
MARINA ...	Cork	60,000	300·035	59·6	Coal Oil	2,300 95,400	0·722†	4 14 10 6 10 0	} 0·504	0·565	0·774

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

† Figure when operating on oil only.

‡ In commission for part of the year only.

Particulars of Generating Plant

(*a*) HYDRO-ELECTRIC STATIONS

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

Particulars of Generating Plant *continued*

(*b*) STEAM STATIONS

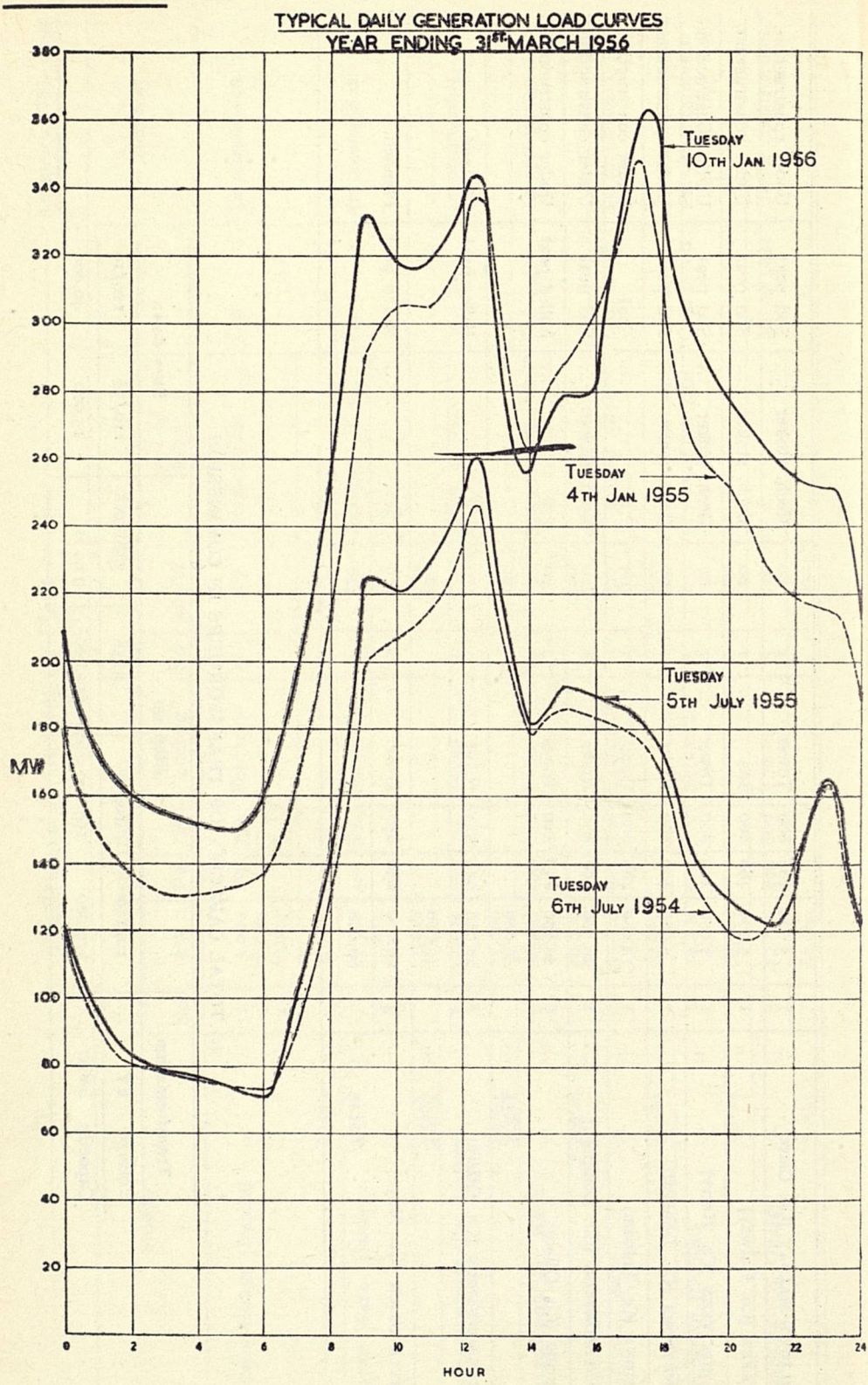
Station	Generating Sets					Boilers			Fuel	Remarks
	No.	kW	Psi	°F.	Type of cooling	No.	klb/hr	Type of firing		
PIGEON HOUSE (Dublin)	1 1 4	5,000 10,000 20,000	250	750	Estuarine	11	100	Mech. stoker ...	Coal ...	In commission.
TOTAL ...		95,000					1,100			
NORTH WALL (Dublin)	1 2	12,500 16,000	400	800	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	Partially commissioned during the year.
TOTAL ...		90,000					800			
FERBANE (Co. Offaly)	3	20,000	400	800	Towers ...	3	220	P.F. ...	Milled peat	Under construction.
TOTAL ...		60,000					660			

Miltown-Malbay (Co. Clare) ...	1	5,000	400	800	Tower ...	1	60	Mech. stoker ...	Sod peat	Under construction.
Screeb (Co. Galway)	1	5,000	400	800	Sea ...	1	60	Mech. stoker ...	Sod peat	Under construction.
Cahirciveen (Co. Kerry)	1	5,000	400	800	Tower ...	1	60	Mech. stoker ...	Sod peat	Under construction.
Gweedore (Co. Donegal)	1	5,000	400	800	River ...	1	60	Mech. stoker ...	Sod peat	Under construction.
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

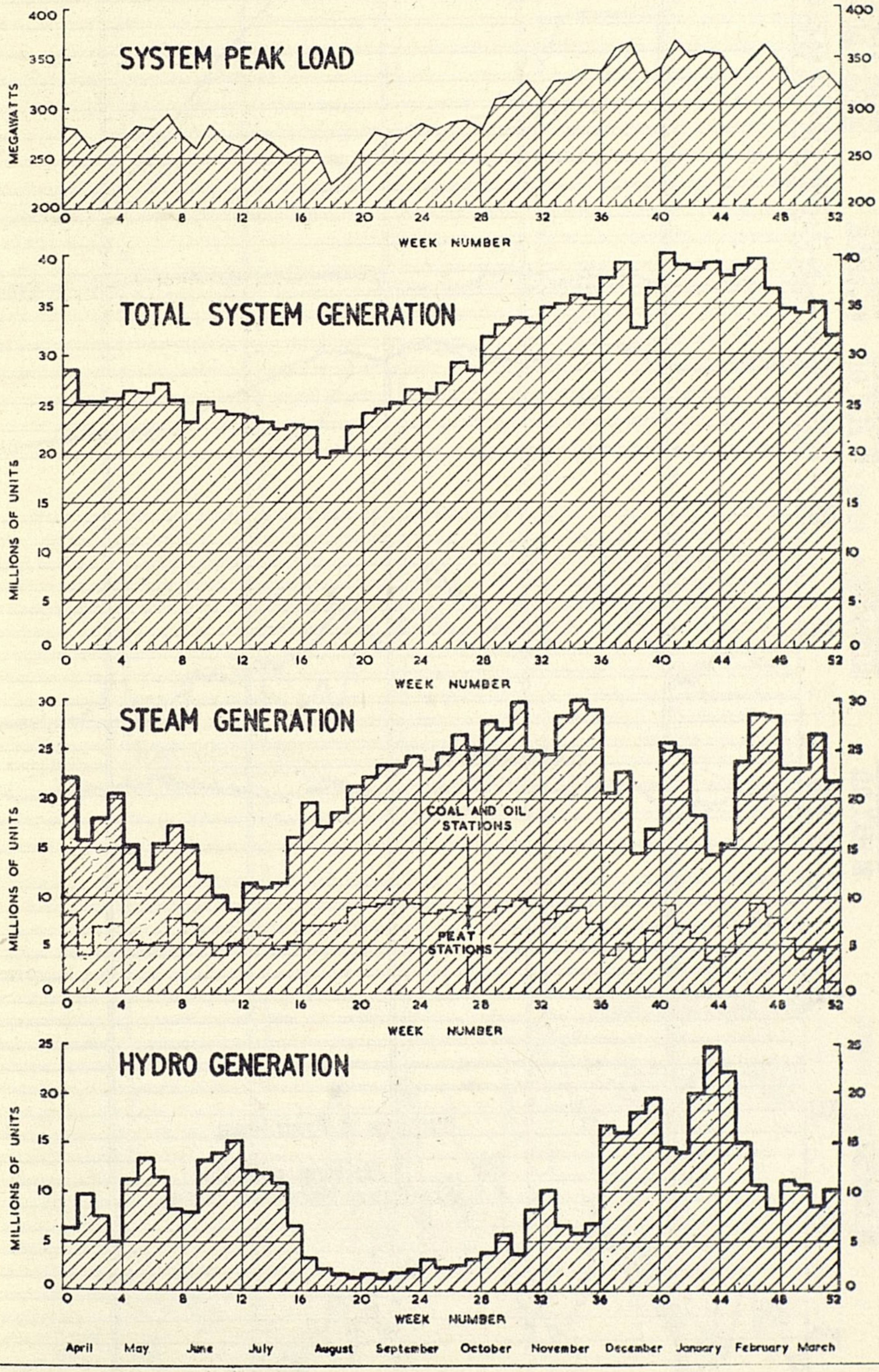
Transformation	Step up				Step down	
Voltage kV ...	10/110	10/38	5/38	38/110	110/38	110/10
Capacity kVA ...	370,000	167,400	110,000	90,000	15,000	40,000

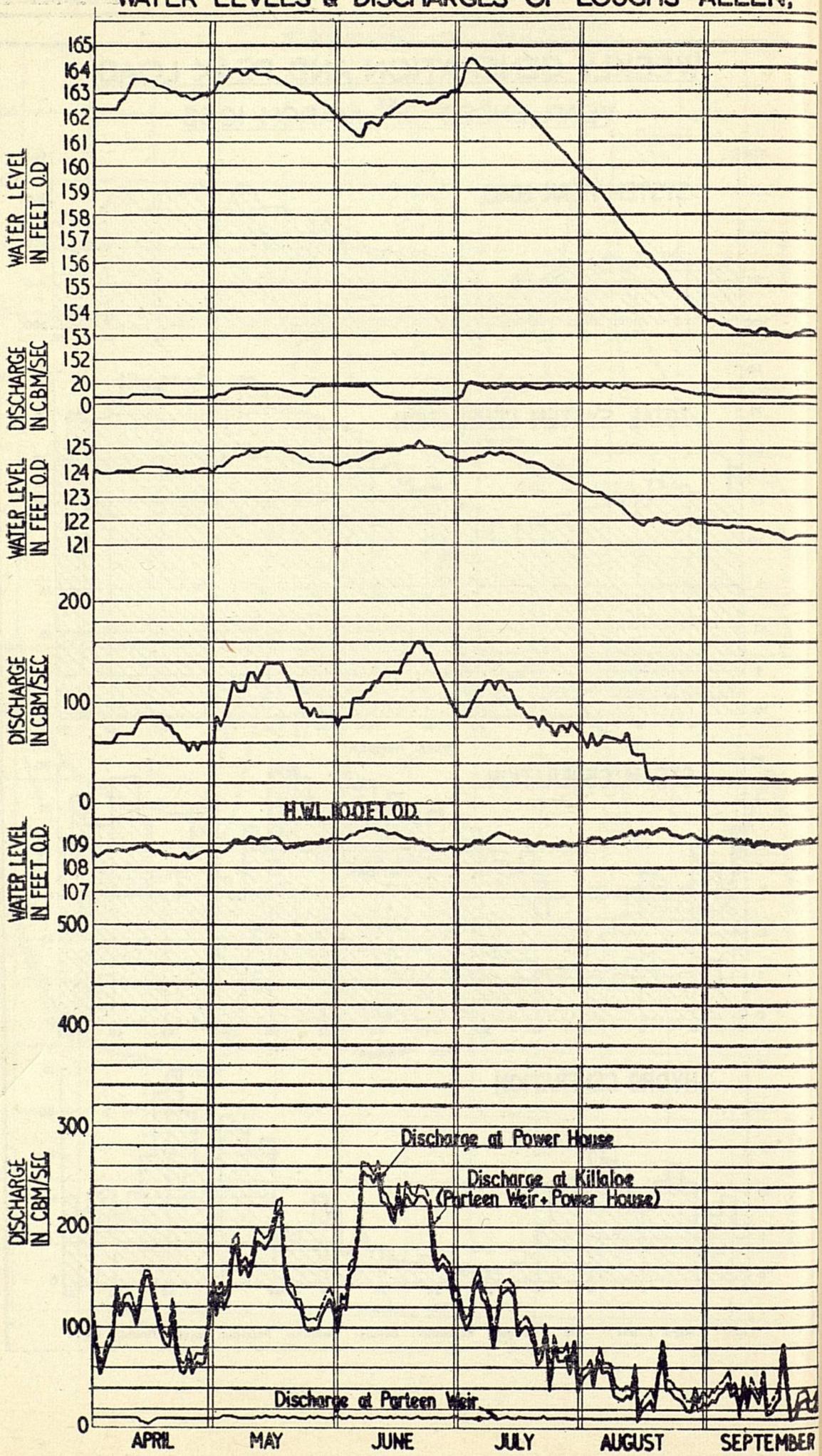
APPENDIX VIII



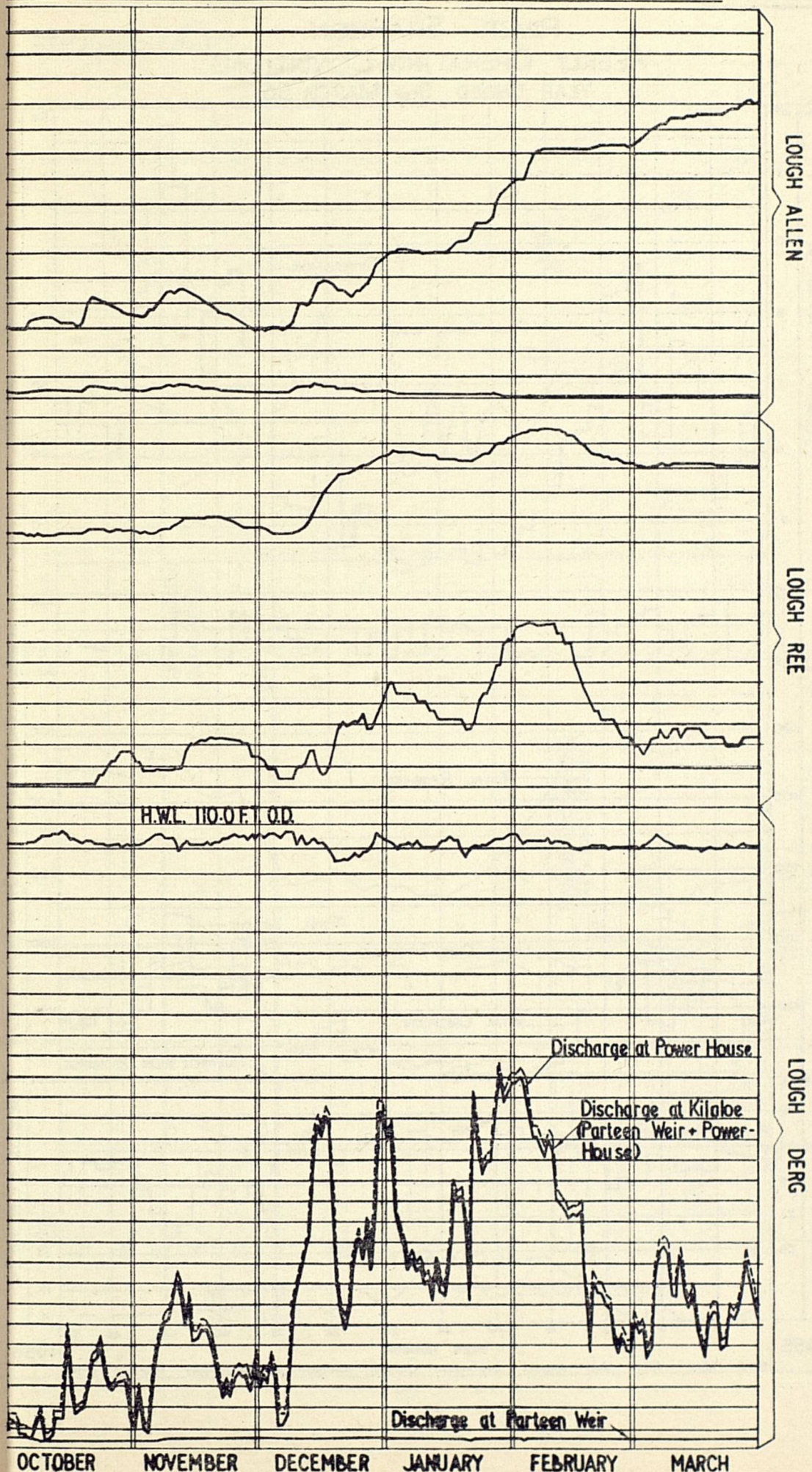
WEEKLY GENERATION AND PEAK LOAD

YEAR ENDED 31ST. MARCH 1956



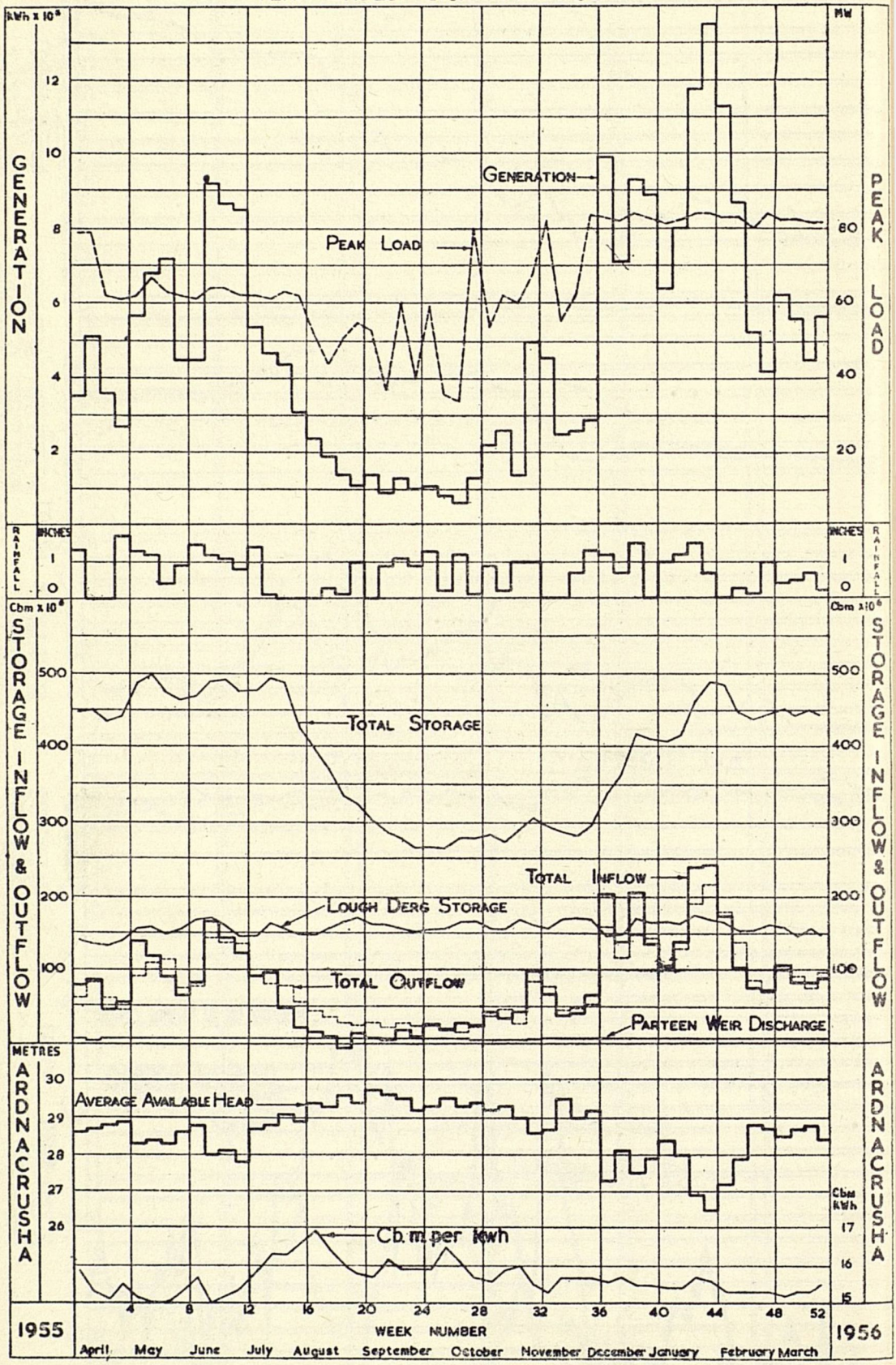

WATER LEVELS & DISCHARGES OF LOUGHS ALLEN,
WATER LEVEL IN FEET O.D
165
164
163
162
161
160
159
158
157
156
155
154
153
152
DISCHARGE IN CBM/SEC
20
0
WATER LEVEL IN FEET O.D
125
124
123
122
121
DISCHARGE IN CBM/SEC
200
100
0
H.W.L. 110 FT. O.D.
WATER LEVEL IN FEET O.D.
109
108
107
DISCHARGE IN CBM/SEC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

REE & DERG FOR YEAR ENDING 31ST MARCH 1956

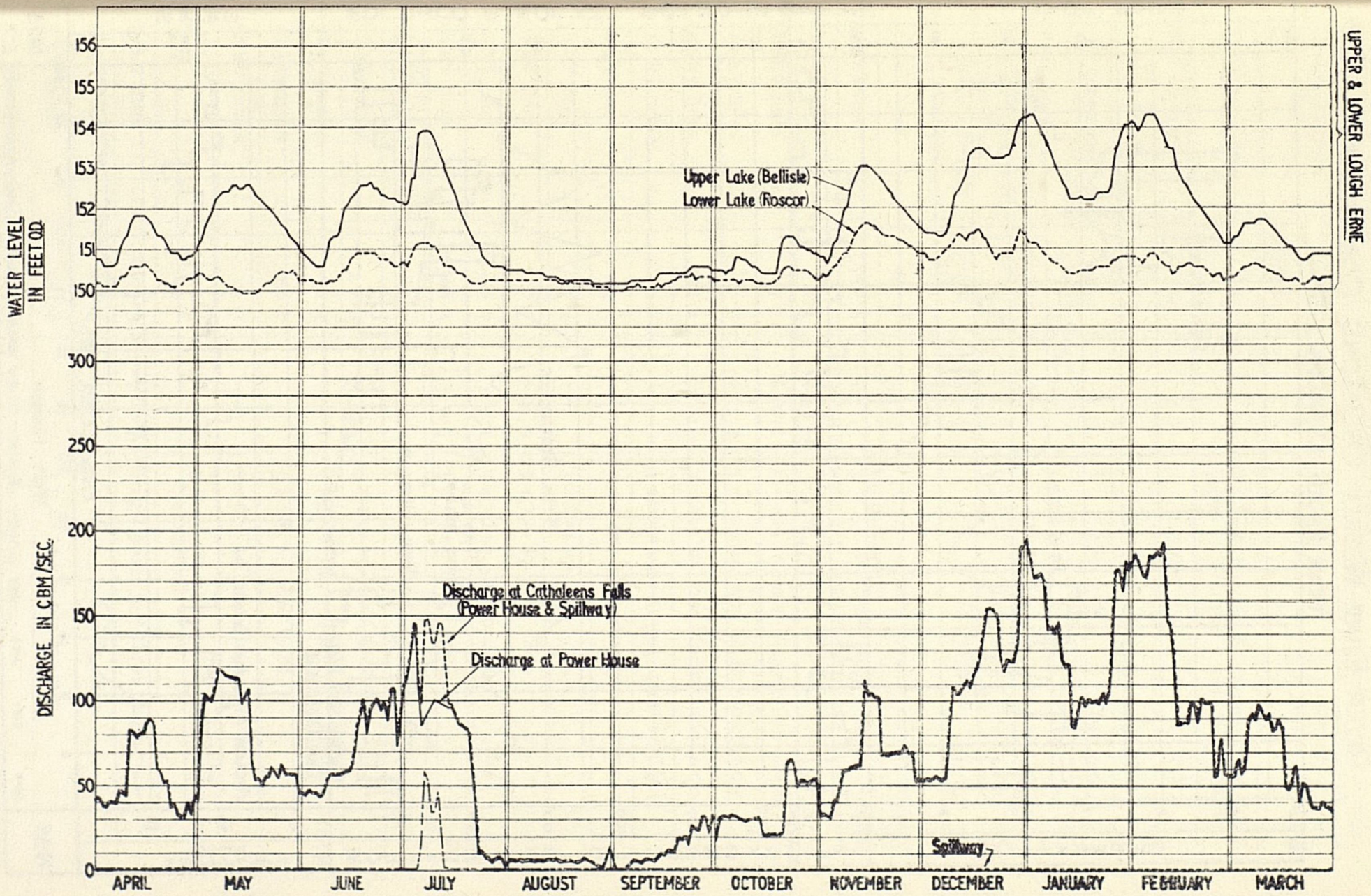


APPENDIX XI

RIVER SHANNON
WEEKLY OPERATING CONDITIONS
YEAR ENDED 31st MARCH '56

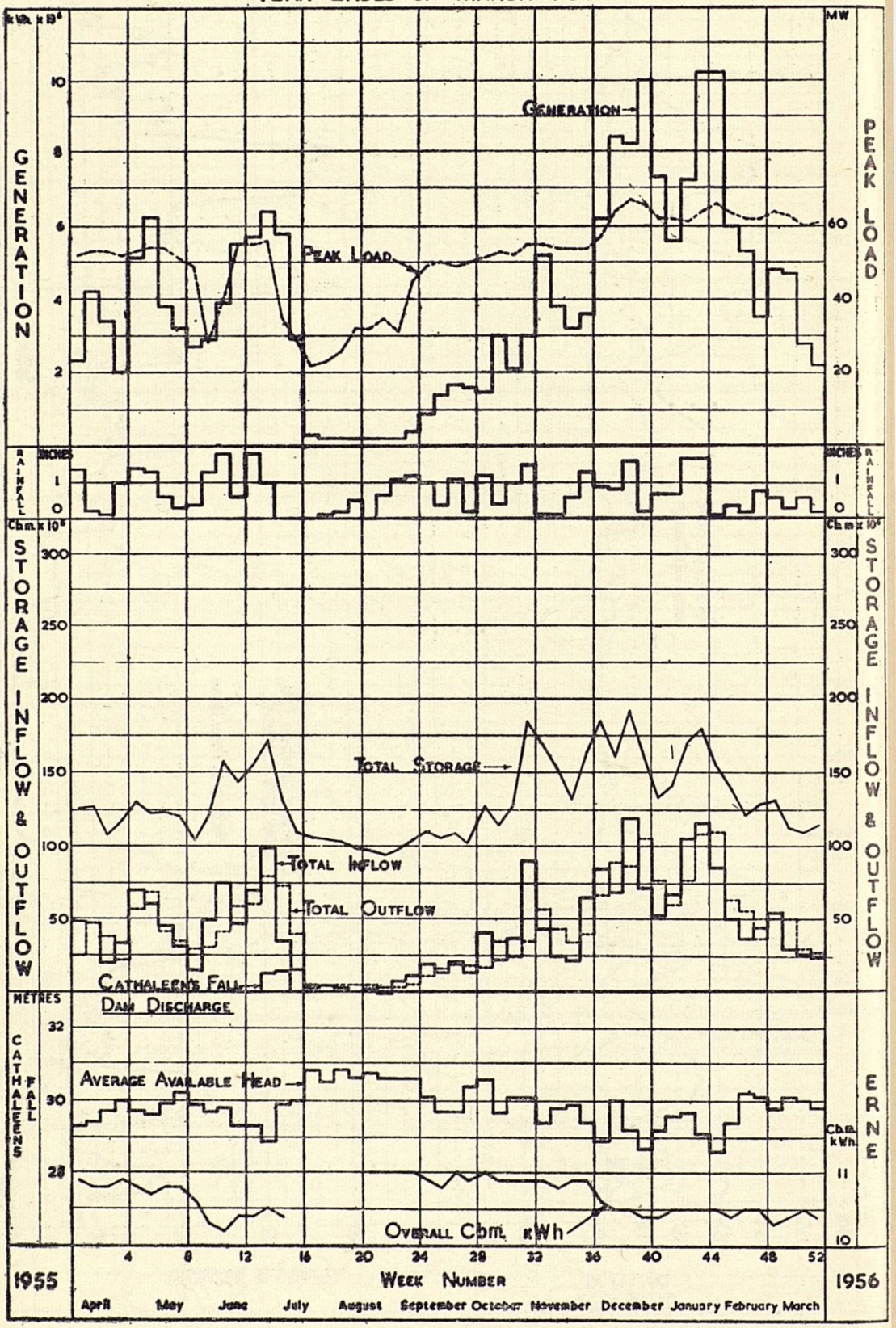


WATER LEVELS & DISCHARGES OF LOWER RIVER ERNE FOR YEAR ENDING 31ST MARCH 1956.



RIVER ERNE WEEKLY OPERATING CONDITIONS

YEAR ENDED 31ST MARCH 1956



Transmission and Distribution Systems in Commission at 31st March, 1956

Transformer station	Number in commission	Increase for year	Total capacity in kVA	Increase in capacity for year in kVA
110kV stations ...	15	2	540,000 at 110/38kV 55,200 at 38/10kV	45,000 at 110/38kV Nil at 38/10kV
38kV stations ...	159	6	623,260	23,060
10 kv substations	3,624	202	457,455	31,492
5 kv substations ...	183	1	130,828	—3,360
10 kv rural substations	31,174	7,459	178,078	38,172

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 ...	47·1	+47·1	3 x 425 sq. mm. single circuit s.c.a.
110 kV lines ...	375·0	+15·7	3 x 300 sq. mm. single circuit s.c.a.
110 kV lines ...	575·4	+48·9	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 ...	416·6	+98·5	3 x 100 sq. mm. s.c.a.
38 kV lines ...	2,457·2	+1·1	3 x 50 sq. mm. copper.
38 kV lines ...	326·1	+0·5	3 x 35 sq. mm. copper.
38 kV cables ...	37·7	+1·0	3 x 260 sq. mm. oil-filled.
38 kV cables ...	4·0	—	3 x 130 sq. mm. oil-filled.
38 kV cables ...	2·1	+0·1	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 ...	5,272·3	+60·7	Single phase and three phase.
10 kV cables ...	660·2	+32·4	3 x 10 to 3 x 185 sq. mm.
5 kV cables ...	240·6	—1·7	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 ...	43,295	+9,971	Single and three phase.

Permitted Electricity Undertakings at 31st March, 1956

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

(1) Town	(2) Population (1951)	(3) Name of undertaker	(4) Type of generator	(5) No. of consumers	(6) Normal Tariffs per unit for			(7) Units sold, year ended 31st March, 1956
					Lighting	Heating and cooking	Power	
Ballysodare, Co. Sligo ...	153	W. G. & T. Pollexfen, Ltd. ...	H	60	7½d.	3d.	3d.	77,115
Belmont, Co. Offaly ...	—	Robert Perry & Co. (1927) ,Ltd. ...	H	29	6d.	6d.	3d. to 4d.	7,579
Belmullet, Co. Mayo ...	676	M. McEntyre	O	156	1/2	—	11d.	28,651
Boyle, Co. Roscommon ...	1,934	John Stewart	H & O	549	Miscellaneous 3d. to ½d. per unit			568,007
					4d. to 7d.	1½d.to 2d.	3d.	
Cahirciveen, Co. Kerry	1,687	The Cahirciveen E. L. & Power Co., Ltd.	O	483	10d.	6d.	6d.	101,220
Carndonagh, Co. Donegal	633	Carndonagh Electric Supply Co.	O	282	6d. to 1/–	6d.	4d. to 6d.	61,000 estd.
Clonmany, Co. Donegal	151	Patrick Gallen	O	62	1/–	—	6d.	11,000 estd.
Collooney , Co. Sligo ...	364	W. A. G. Middleton, Ltd. ...	H	149	7½d.	2d.	2½d.	98,523

(1) Town	(2) Population (1951)	(3) Name of undertaker	(4) Type of generator	(5) No. of consumers	(6) Normal Tariffs per unit for			(7) Units sold, year ended 31st March, 1956
					Lighting	Heating and cooking	Power	
Drumkeeran, Co. Leitrim	174	The Drumkeeran Electricity Supply Co., Ltd.	O	53	1/4	—	—	5,372
Dromahair, Co. Leitrim	262	Paul Jeiter	H	60	9d.	3d.	3d.	22,627
Dungloe, Co. Donegal	581	The Templecrone Co-op. & Agrl. Society, Ltd.	H & O	175	10d.	3d.	3d.	40,610
Falcarragh, Co. Donegal	215	Leo McGinley	O	81	1/2	—	—	18,517
Glendalough, Co. Wicklow	—	Messrs. Wynne	H	17	Included in rent		—	60,000 est.
Kenmare, Co. Kerry ...	907	Kenmare Electric Supply Co. ...	H & O	288	8d. to 10d.	2d. to 4d.	3d. to 4d.	137,600
Letterfrack, Co. Galway	—	The Superior, Industrial School ...	H & O	15	8d.	—	—	16,135
Malin, Co. Donegal ...	100	Matthew O'Doherty	O	70	1/3	6d.	6d.	9,070

Appendix XV—continued

(1) Town	(2) Population (1951)	(3) Name of undertaker	(4) Type of generator	(5) No. of consumers	(6) Normal Tariffs per unit for			(7) Units sold, year ended 31st March, 1956
					Lighting	Heating and cooking	Power	
Moville, Co. Donegal ...	969	The Moville Electric Supply Co. ...	H & O	314	9d. to 10d.	—	3d. to 4d.	122,350
Pettigo, Co. Donegal ...	243	Shaw Bros.	O	88	1/-	—	—	10,649
Waterville, Co. Kerry ...	223	Waterville Electricity Supply Co., Ltd.	O	114	1/-	—	7d.	31,882
Various Districts ...	—	Great Northern Railway Board	O	48	1¾d. to 1/-	1¾d. and 2d.	1¾d. to 3.3d.	57,861

Total number of undertakings, 22 ; total population, 9,272 ; total number of consumers, 3,093 ; units sold approximately, 1,485,768

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

MANUAL WORKERS' TRIBUNAL

REPORT OF PROCEEDINGS IN THE YEAR ENDED 31st MARCH, 1956

In the year ended the 31st March, 1956, the Tribunal dealt with thirteen industrial disputes and one claim in regard to superannuation.

The industrial disputes were as follows :—

(1) A claim by the Amalgamated Transport & General Workers' Union on behalf of a member that he should be graded as the equivalent of Technical Assistant. The tribunal decided that the evidence submitted did not justify the claim.

(2) A claim by the Federation of Rural Workers, the Workers' Union of Ireland, and the Amalgamated Transport & General Workers' Union concerning subsistence allowance and protective clothing for casual employees. Following the preliminary hearing of evidence the dispute was settled by agreement between the Board and the Unions.

(3) A claim by the Workers' Union of Ireland, the Irish Engineering Industrial & Electrical Trades Union, the Irish Engineering & Foundry Union and the Amalgamated Transport & General Workers' Union for an increase in the rates of pay of semi-skilled workers, North Wall Generating Station. Increased pay was allowed with retrospective effect.

(4) A claim by the Irish Engineering & Foundry Union, the Amalgamated Engineering Union and the Irish Engineering Industrial & Electrical Trades Union in regard to the rates of pay of mechanical fitters in the Board's country generating stations. The Tribunal decided that the weight of evidence submitted was insufficient to justify the claim.

(5) 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 concerning the rates of pay of unskilled and semi-skilled workers at Portarlington, Allenwood and Cork Generating Stations. The claim was rejected.

(6) A claim by the Ancient Guild of Incorporated Brick & Stonelayers' Trade Union in regard to the rates of pay of Bricklayers in Pigeon House Generating Station. The Tribunal decided that the evidence submitted did not justify the claim. Subsequently, as a result of further evidence submitted by the Union, the Tribunal decided that Bricklayers in Pigeon House be granted an increase, with retrospective effect, by reason of Clause 11 of the Building Trades Agreement.

(7) A claim by the Irish Automobile Drivers' & Automobile Mechanics' Union in regard to subsistence and meal allowances of Head Office saloon car drivers. The claim was referred back to the Board for re-consideration.

(8) A claim by an employee that he was unfairly demoted without sufficient reason and that he should be restored to his former position. The claim was disallowed.

(9) A claim by the Trade Union Congress and the Congress of Irish Unions in regard to the rate of pay of employees in the semi-skilled and unskilled categories. A retrospective increase in pay was allowed. A subsequent claim arising out of the decision was settled between the Congresses and the Board.

(10) A claim by a group of employees in North Wall Generating Station in regard to the introduction of a 5-day working week. The Tribunal adjourned consideration.

(11) Claims by the Irish Engineering & Foundry Union, the Amalgamated Engineering Union and the Irish Engineering Industrial & Electrical Trades Union for retrospective increases in the rates of pay of mechanical fitters. The claims were not allowed. Subsequently, in view of new evidence submitted, the Tribunal decided that an increase in pay should be made.

(12) Claims by the Workers' Union of Ireland that an employee was wrongfully suspended, that he should be paid for the period of suspension and that the employees who ceased work in support of this man should be paid for the time they had not worked. The claims were rejected except to the extent that the employee concerned should receive one day's pay.

(13) A claim by the Amalgamated Transport & General Workers' Union that an employee was wrongfully suspended and that he should be paid for the period of suspension. The claim was allowed.

The superannuation claim under Section 13 of the Electricity Supply Board (Superannuation) Act, 1942, was by a general employee that he should be regarded as an " excluded " person. The claim was rejected.

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

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

R. F. BROWNE, *Member.*

GILBERT LYNCH, *Member.*

(Signed) C. DOWLING, *Secretary.*
Date : 4th May, 1956.

GENERAL EMPLOYEES' TRIBUNAL

REPORT OF PROCEEDINGS IN THE YEAR ENDED 31st MARCH 1956

In the year ended 31st March, 1956, the Tribunal dealt with thirteen disputes under Section 5 of the Electricity (Supply) (Amendment) Act, 1949. The disputes were as follows :—

(1) A claim by an official for compensation for loss of salary because of absence from duty due to circumstances outside his control. The Tribunal decided to allow a payment to meet the equities of the case.

(2) A claim by an official for a higher car allowance. The claim was rejected.

(3) A claim that payment for walking time should continue to be made to certain staff who enjoyed it prior to 1948. The Tribunal did not accept the claim as fully supported by the evidence but decided that in three special cases a payment be allowed.

(4) A claim for additional increments to staff who had remained at the maximum of Grade VIII without obtaining promotion. The Tribunal recommended that the pre 1937 clerical staff should receive a special increment on the completion of five years at the maximum of the grade.

(5) Representations by the Salaried Staff Conference for reconsideration of its claim for a five-day working week. The Tribunal found that there was evidence of a trend towards a departure from the $5\frac{1}{2}$-day working week and recommended that now and from time to time the circumstances be examined by the Board with a view to the introduction as and when feasible of conditions which would accord with good outside practice.

(6) A claim by an official for promotion to a higher grade. The Tribunal granted an increase in a personal allowance.

(7) A claim that the reduction in remuneration of an official who was reduced in status was unduly harsh. Having regard to a special circumstance which obtained in the case, the Tribunal decided that, on a personal basis, a fixed differential over the standard rate for the new job should be paid.

(8) An appeal by an official against an earlier decision of the Tribunal on his claim for the restoration of an increment which had been withheld. The Tribunal recommended payment of a sum equivalent to the amount of the increment lost.

(9) A claim for an increase of 15% in the salaries of officer personnel staff. Increases were awarded by the Tribunal.

(10) A claim for (i) a reduction in the number of incremental steps in Grade VIII, and (ii) payment of £60 to those at the maximum of the grade. Subject to amendment at two points, an offer by the Board was endorsed by the Tribunal. The second part of the claim was rejected.

(11) A claim by rural area clerks for compensation for loss of certain allowances on return to headquarters. The Tribunal awarded compensation to those with not less than three years' aggregate service on rural duties.

(12) A claim by an official for higher grading on the basis of his duties and responsibilities. The Tribunal considered that the evidence did not sustain the claim.

(13) A claim by divisional engineers for increased remuneration. The Tribunal considered that the evidence was inconclusive.

One claim was adjourned for further consideration by the claimant. Another claim has been referred back for re-examination by the Board. Nine other claims were outstanding at the close of the year.

Tribunal Membership

Under the provisions of Section 3 of the Electricity (Supply) (Amendment) Act, 1949, the five year term of office of the Chairman of the Tribunal (Mr. J. J. O'Leary, Chairman and Managing Director, Cahill & Co., Ltd., Parkgate Street, Dublin) expired on the 31st December, 1955. On the nomination of the two Ordinary Members Mr. J. J. O'Leary was re-appointed for a further term of five years by the Minister for Industry and Commerce.

On the nomination of the Ordinary Members, Mr. F. C. King, B.L., Ardnavarna, The Hill, Monkstown, was appointed by the Minister for Industry and Commerce to act during the absence of the Chairman.

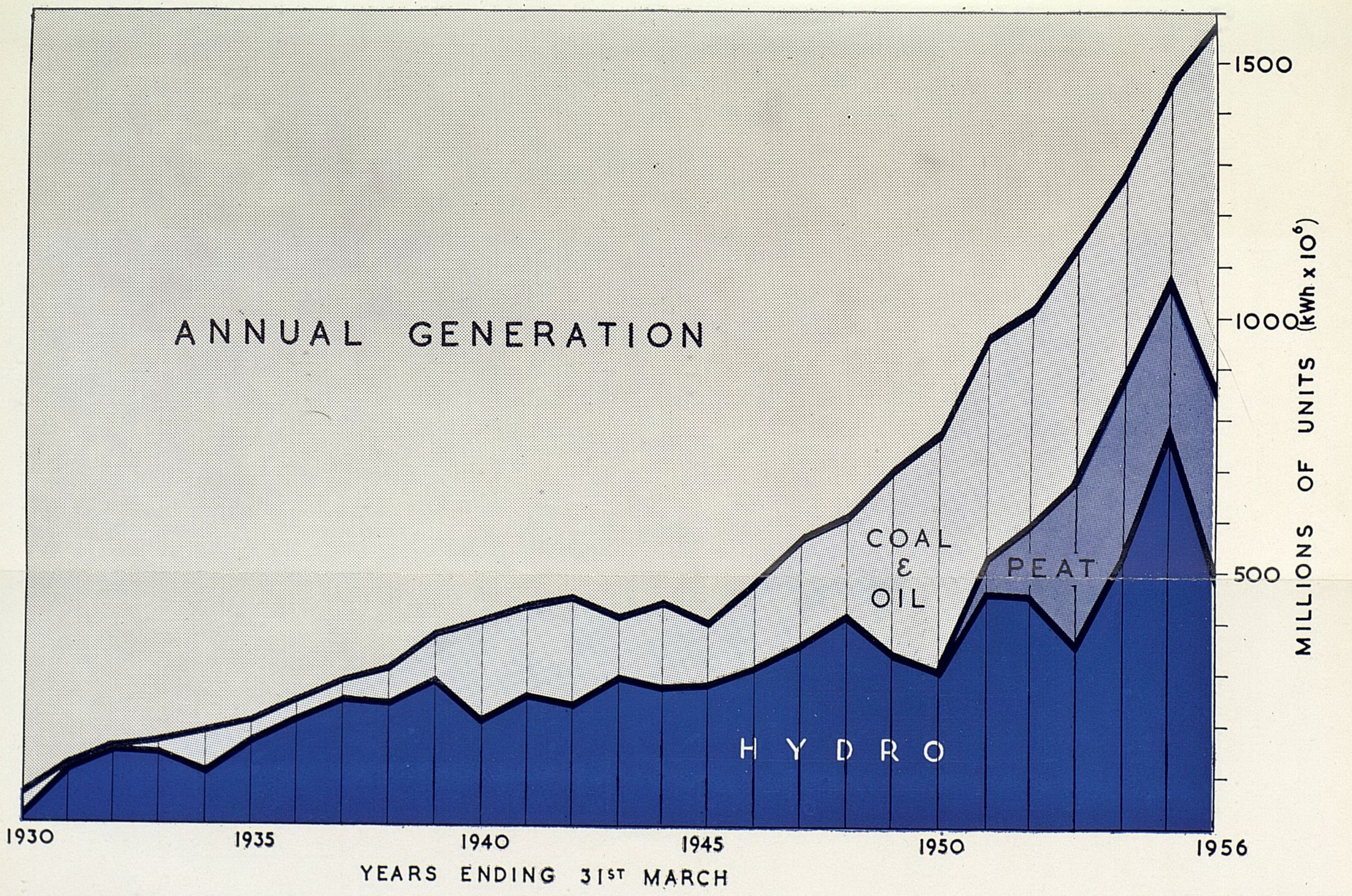
(Signed) J. J. O'LEARY, *Chairman.*

R. F. BROWNE, *Member.*

M. R. BLAIR, *Member.*

J. A. QUINN, *Secretary.*

Date : 26th April, 1956.

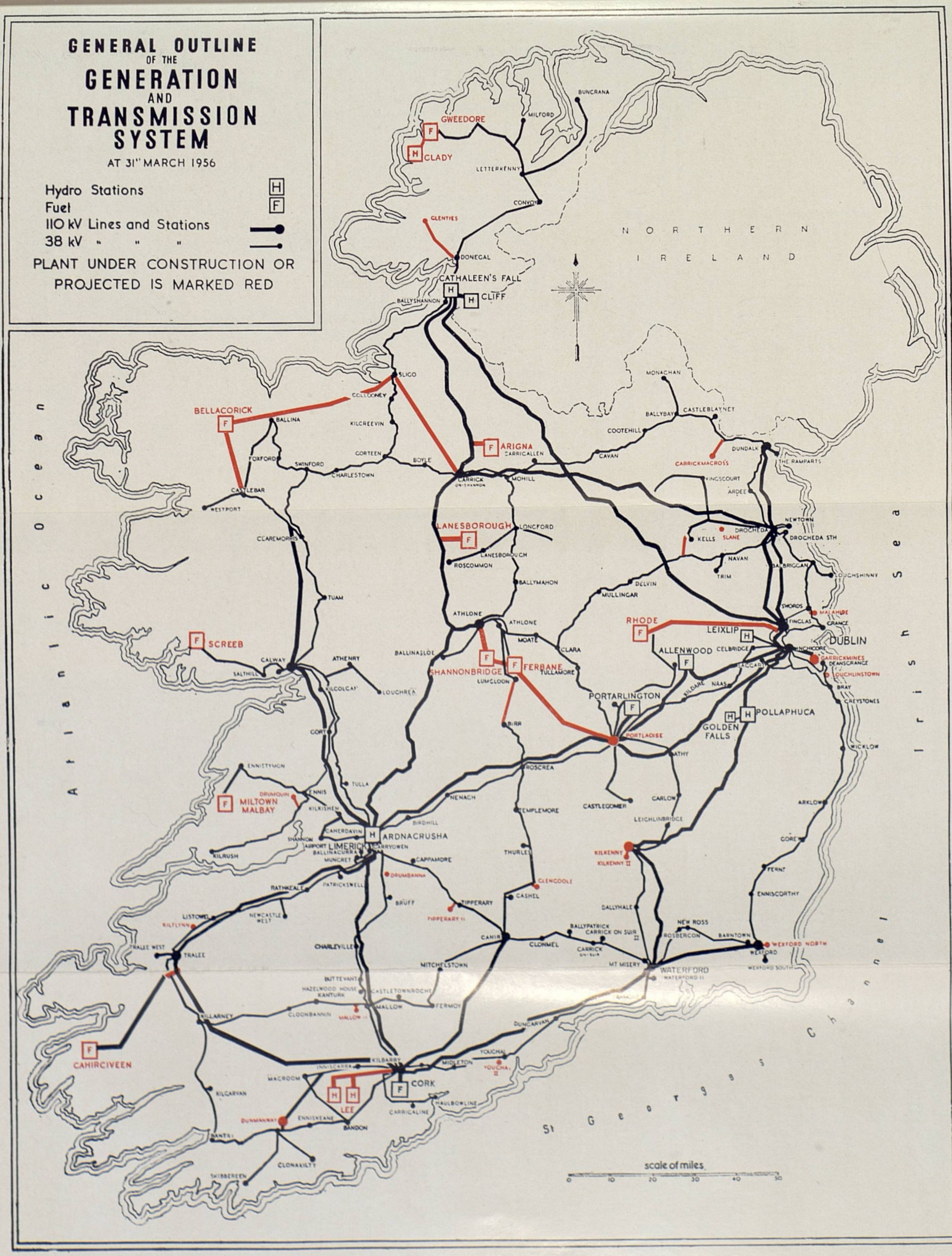

ANNUAL GENERATION
1500
1000
500
MILLIONS OF UNITS (kWh x 10⁶)
COAL & OIL
PEAT
HYDRO
1930
1935
1940
1945
1950
1956
YEARS ENDING 31ST MARCH

GENERAL OUTLINE OF THE GENERATION AND TRANSMISSION SYSTEM

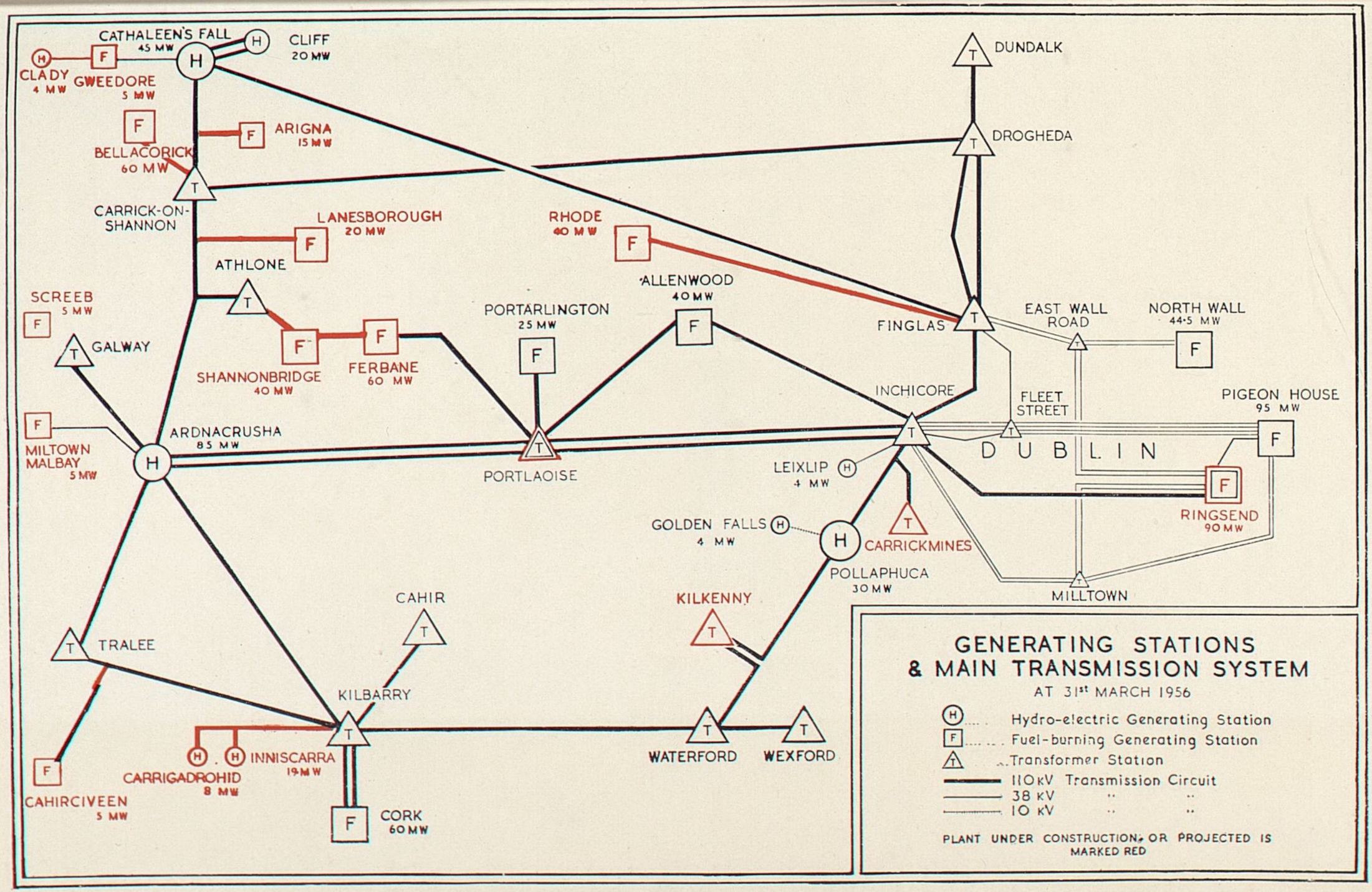
AT 31ST MARCH 1956

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

PLANT UNDER CONSTRUCTION OR PROJECTED IS MARKED RED



DETAILS OF THE DUBLIN AREA WILL BE FOUND IN APPENDIX XX


CATHALEEN'S FALL
45 MW
CLIFF
20 MW
CLADY
4 MW
GWEEDORE
5 MW
ARIGNA
15 MW
BELLACORICK
60 MW
CARRICK-ON-SHANNON
LANESBOROUGH
20 MW
RHODE
40 MW
ATHLONE
SCREEB
5 MW
GALWAY
SHANNONBRIDGE
40 MW
FERBANE
60 MW
PORTARLINGTON
25 MW
ALLENWOOD
40 MW
DUNDALK
DROGHEDA
FINGLAS
EAST WALL ROAD
NORTH WALL
44·5 MW
INCHICORE
FLEET STREET
PIGEON HOUSE
95 MW
DUBLIN
RINGSEND
90 MW
MILLTOWN
ARDNACRUSHA
85 MW
MILTOWN MALBAY
5 MW
PORTLAOISE
LEIXLIP
4 MW
GOLDEN FALLS
4 MW
CARRICKMINES
POLLAPHUCA
30 MW
CAHIR
KILKENNY
TRALEE
KILBARRY
INNISCARRA
19 MW
CARRIGADROHID
8 MW
CAHIRCIVEEN
5 MW
CORK
60 MW
WATERFORD
WEXFORD
GENERATING STATIONS
& MAIN TRANSMISSION SYSTEM
AT 31st MARCH 1956
Hydro-electric Generating Station
Fuel-burning Generating Station
Transformer Station
110 kV Transmission Circuit
38 kV
10 kV
PLANT UNDER CONSTRUCTION OR PROJECTED IS MARKED RED

ACCOUNTS

	1 Fuel £	2 Operating Expenses £	3 Maintenance and Repair £	4 Supervision and Local Administration £
GENERATION				
Coal/Oil Stations:—				
Pigeon House ...	357,552	87,132	72,184	51,664
North Wall ...	398,743	43,038	29,710	13,927
Marina	626,960	28,109	17,312	29,915
Ringsend	284,359	15,256	946	7,511
Peat Stations:—				
Portarlington ...	404,379	33,977	32,101	14,269
Allenwood ...	790,174	40,819	36,720	20,445
Total—Fuel Stations ...	2,862,167	248,331	188,973	137,731
Hydro Stations:—				
Shannon	—	31,339	48,848	39,840
Erne	—	18,294	32,354	25,878
Liffey	—	11,335	17,118	12,374
Total—Hydro Stations	—	60,968	98,320	78,092
Total—All Stations ...	2,862,167	309,299	287,293	215,823
TRANSMISSION	—	45,016	128,473	73,287
ELECTRICITY purchased in bulk and other expenditure attributable to generation	—	—	—	—
	2,862,167	354,315	415,766	289,110

5 WORKS COST (1—4) £	Per Unit Sent Out (Pence) 1955/56	Per Unit Sent Out (Pence) 1954/55	6 Depreciation and Renewals £	7 Interest £	8 Capital Repayments £	TOTAL 1955/56 £	TOTAL 1955/56 Per Unit Sent Out (Pence)	TOTAL 1954/55 £	TOTAL 1954/55 Per Unit Sent Out (Pence)
568,532	1·612	1·484	74,000	67,567	14,777	724,876	2·056	732,172	1·923
485,418	·729	·758	71,000	67,894	14,849	639,161	·960	558,140	1·059
702,296	·565	·637	115,000	118,512	25,919	961,727	·774	653,026	1·072
308,072	·558	—	75,000	140,729	30,778	554,579	1·005	—	—
484,726	·913	·947	50,000	49,244	10,770	594,740	1·120	610,534	1·216
888,158	1·021	1·027	81,000	80,688	17,647	1,067,493	1·227	829,481	1·318
3,437,202	·816	·934	466,000	524,634	114,740	4,542,576	1·078	3,383,353	1·278
120,027	·115	·074	49,000	171,911	37,598	378,536	·363	387,581	·237
76,526	·092	·046	86,000	182,087	39,823	384,436	·464	355,765	·276
40,827	·340	·145	26,000	60,826	13,303	140,956	1·173	141,649	·536
237,380	·119	·069	161,000	414,824	90,724	903,928	·454	884,995	·277
3,674,582	·592	·461	627,000	939,458	205,464	5,446,504	·878	4,268,348	·731
—	—	—	333,000	368,689	80,633	1,029,098	—	960,708	—
—	—	—	—	—	—	12,104	—	13,706	—
—	—	—	960,000	1,308,147	286,097				
				Total Production Cost ...		6,487,706		5,242,762	
				Transferred to Revenue Accounts :					
				Non-rural ...	5,345,928			4,403,515	
				Rural ...	1,141,778			836,247	
						6,487,706		5,242,762	

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

Dr.

	£	£	1954/55 £
To Electricity Production Account		5,345,928	4,406,515
,, Distribution Charges :			
Operating expenses	398,890		
Maintenance and repair ...	261,844		
Reserve for depreciation and renewals	386,000		
Interest	395,290		
Capital repayments	86,451		
Supervision and local administration	496,277		
		2,024,752	1,878,733
,, General Administration :			
Salaries and Wages	484,656		
Travelling expenses	22,742		
Stationery	13,693		
Telephones and postage ...	10,683		
Lighting and heating	10,686		
Rents and rates	9,264		
Insurance	29,483		
Professional fees	8,817		
General advertising	35,021		
Tools	4,786		
Maintenance of office buildings and equipment	18,871		
Pensions	6,049		
Medical benefits	1,773		
Capital charges—general assets ...	135,096		
Provision for bad debts	14,100		
Depreciation of stocks of material	1,045		
Audit fee	2,000		
Sundry expenses	1,372		
	816,137		
Less : apportionments charged to :			
Rural Revenue Account ...	149,168		
Capital works and other accounts	83,641		
		577,328	648,480
,, Balance carried to Profit and Loss Account		214,090	770,618
		£8,162,098	£7,704,346

FOR THE YEAR ENDED 31st MARCH, 1956.

Cr.

	£	£	1954/55 £
By CHARGES FOR ELECTRICITY:			
General consumers ...	7,842,288		
Public lighting ...	... 243,742		
Meter and other rents	... 76,068		
		8,162,098	7,704,346
		£8,162,098	£7,704,346

No. 3.
Dr.

ELECTRICITY (RURAL) REVENUE ACCOUNT

	£	£	1954/55 £
To Electricity Production Account... ...		1,141,778	836,247
,, Distribution Charges :			
Operating expenses	47,502		
Maintenance and repair ...	91,810		
Reserve for depreciation and renewals	358,000		
Interest	469,558		
Capital repayments	48,555		
Supervision and local administration	142,839		
		1,158,264	798,346
,, General Administration		149,168	139,192
,, Balance, carried to Profit and Loss Account		—	44,130
		£2,449,210	£1,817,915

No. 4.
Dr.

ELECTRICITY PROFIT AND LOSS ACCOUNT

	£	£	1954/55 £
To Interest payable to the Minister for Finance	2,283,752		
,, Interest on E.S.B. 5% Stock ...	195,000		
,, Stock management and transfer charges	4,000		
,, Interest on loan of an acquired undertaking	119		
,, Other interest	358,920		
		2,841,791	2,445,931
,, Reserves, being the amount of capital repaid in respect of :			
Advances from the Minister for Finance	436,314		
Acquired undertaking ...	2,386		
		438,700	400,672
		£3,280,491	£2,846,603
,, Balance, carried to Net Revenue Account ...		184,523	883,409
		£184,523	£883,409

FOR THE YEAR ENDED 31st MARCH, 1956.

Cr.

	£	£	1954/55 £
By CHARGES FOR ELECTRICITY :			
General consumers ...	2,271,535		
Public lighting	17,246		
Meter and other rents	13,929		
		2,302,710	1,817,915
,, BALANCE, carried to Profit and Loss Account ...		146,500	—
		£2,449,210	£1,817,915

FOR THE YEAR ENDED 31st MARCH, 1956. *Cr.*

	£	£	1954/55 £
By Production Account :			
Interest	...1,308,147		
Capital repayments ...	... 286,097		
		1,594,244	1,429,940
,, Non-rural Revenue Account :			
Interest	... 395,290		
Capital repayments ...	... 86,451		
		481,741	472,400
,, Rural Revenue Account :			
Interest	... 469,558		
Capital repayments ...	... 48,555		
		518,113	260,567
,, Administration :			
Interest	... 80,499		
Capital repayments ...	... 17,597		
		98,096	89,754
,, Installations Account :			
Interest		8,600	11,800
,, Merchandise Sales Account :			
Interest		3,700	4,000
,, Capital Works :			
Interest		575,997	578,142
		£3,280,491	£2,846,603
By Balance transferred from Revenue Accounts :			
Non-rural surplus ...	... 214,090		
Rural deficit... ...	... 146,500		
		67,590	814,748
,, Miscellaneous revenue		50,560	42,995
,, Interest receivable		66,373	25,666
		£184,523	£883,409

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

Dr

			1954/55
	£	£	£
To Cost value of work for which credit had not been taken at 31st March, 1955		67,931	57,909
,, Cost of installation work carried out during the year		293,997	355,393
,, Gross profit, carried down		68,522	83,931
		£430,450	£497,233
To Salaries, wages and State insurance	£ 27,528		
,, Travelling expenses	3,130		
,, Rents and rates	396		
,, Sundry expenses	2,678		
,, General overhead expenses and interest, as apportioned	19,427		
		53,159	59,349
,, Balance, carried to Net Revenue Account		15,363	24,582
		£68,522	£83,931

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

Dr.

			1954/55
	£	£	£
To Cost of goods sold		642,877	485,196
,, Direct costs in connection with sales		38,787	32,663
,, Gross profit, carried down		183,775	144,683
		£865,439	£662,542
To Salaries, wages, commission and State insurance	£ 70,287		
,, Travelling expenses	2,251		
,, General publicity	18,738		
,, Rents and rates	1,516		
,, Sundry expenses	7,577		
,, General overhead expenses and interest, as apportioned	28,430		
		128,799	107,322
,, Net profit, carried down		54,976	37,361
		£183,775	£144,683
To Net profit on hire purchase sales not realised at 31st March, 1956		97,786	87,453
,, Balance, carried to Net Revenue Account		44,643	20,668
		£142,429	£108,121

THE YEAR ENDED 31st MARCH, 1956.

Cr.

		1954/55
	£	£
By Credit taken for contracts completed and charged	371,746	429,302
,, Cost value of work for which credit has not yet been taken	58,704	67,931
	£430,450	£497,233
By Gross profit, brought down	68,522	83,931
	£68,522	£83,931

THE YEAR ENDED 31st MARCH, 1956. *Cr.*

		1954/55
	£	£
By Sales	865,439	662,542
	£865,439	£662,542
By Gross profit, brought down	183,775	144,683
	£183,775	£144,683
By Net profit, brought down	54,976	37,361
,, Net profit on hire purchase sales not realised at 31st March, 1955	87,453	70,760
	£142,429	£108,121

No. 7.
Dr.

ELECTRICITY NET REVENUE ACCOUNT

		1954/55
	£	£
To Balance, carried down	244,529	928,659
	£244,529	£928,659
To Transfer to reserve for renewals, of credits (per contra), as additional provision for the renewal of plant	151,641	160,239
,, E.S.B. 5% Stock flotation expenses	118,770	—
,, Composition in discharge of future 'Walking Time' payments to Pigeon House staff ...	—	43,639
,, Transfer, consequent on re-allocation of capital costs, of appropriate part of deficiency from Shannon Fisheries Profit and Loss Account	10,850	—
,, Income Tax reserve	—	100,000
,, Fuel equalisation reserve	—	500,000
,, Contingencies reserve	—	300,000
,, Amount reserved in respect of Fisheries commercial, protection, and development activities	40,000	—
,, BALANCE, carried down	121,341	46,432
	£442,602	£1,150,310

FOR THE YEAR ENDED 31st MARCH, 1956.

Cr.

	£	£	1954/55 £
By Balance transferred from Profit and Loss Account		184,523	883,409
,, Installations trading profit ...	15,363		
,, Merchandise trading profit ...	44,643		
		60,006	45,250
		£244,529	£928,659
By Balance, brought down		244,529	928,659
,, Balance, brought forward from last year's account		46,432	61,412
,, Credits arising consequent on the retirement of assets and the sale of scrapped material ...		151,641	160,239
		£442,602	£1,150,310
By BALANCE, brought down		£121,341	£46,432

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

Dr.

	Total at 31st March, 1955 less retirements	Expenditure less retirements during year (*a*) and transfer from Shannon Fisheries Capital Account (*b*)	Total at 31st March, 1956 less retirements
	£	£	£
To Generation	24,755,988	5,754,335 (*a*) 9,565 (*b*)	30,519,888
,, Transmission	10,882,785	771,450 (*a*)	11,654,235
,, Distribution	22,081,214	4,497,147 (*a*)	26,578,361
,, General	1,939,092	400,723 (*a*)	2,339,815
	£59,659,079	£11,433,220	71,092,299
,, Capital Works in Progress, including payments on account to contractors and others			12,891,296
Total of Fixed Assets, carried to Balance Sheet			£83,983,595

	£	Total at 31st March, 1956
BY REPAYABLE RECEIPTS AS PER STATEMENT NO. 14 ...		£ 64,800,086
,, NON-REPAYABLE RECEIPTS:		
Moiety of advances from the Minister for Finance under the Electricity (Supply) (Amendment) Acts, 1945 to 1954; as at 31st March, 1955	6,800,000	
Less: advances now repayable as per Statement No. 14	4,825,600	
		1,974,400
Contributions from consumers and others for capital works		1,152,128
,, CAPITAL RESERVES:		
Repaid capital, less intangible assets written off ...		2,171,148
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		14,684,060
Total Capital Reserves (including non-repayable receipts)		20,252,033
TOTAL OF CAPITAL RECEIPTS AND RESERVES carried to BALANCE SHEET		£85,052,119

LIABILITIES AND RESERVES		£	31/3/55 £
REPAYABLE RECEIPTS, as per CAPITAL ACCOUNT ...		64,800,086	50,405,387
CAPITAL RESERVES, as per CAPITAL ACCOUNT ...		20,252,033	22,746,858
		85,052,119	73,152,245
LOANS under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
	£		
General Employees Superannuation Fund	88,800		
Manual Workers Superannuation Fund	63,900		
		152,700	1,902,100
THE MUNSTER AND LEINSTER BANK LIMITED OVERDRAFT		1,206,564	
SUNDRY CREDITORS		4,751,151	3,356,992
RESERVES:	£		
Contingencies reserve ...	1,000,000		
Fuel equalisation reserve	500,000		
Fisheries reserve	40,000		
Other reserves and provisions ...	200,003		
		1,740,003	1,763,203
SURPLUS, as per NET REVENUE ACCOUNT ...		121,341	46,432
		£93,023,878	£80,220,972

AS AT 31st MARCH, 1956.

ASSETS	£	31/3/55 £
FIXED ASSETS, as per CAPITAL ACCOUNT ...	83,983,595	72,525,535
BOYNE DEVELOPMENT SUSPENSE ACCOUNT ...	61,734	61,734
ELECTRICITY SUPPLY BOARD 5% STOCK 1966/75, (nominal £107,732), at cost, held by the Munster and Leinster Bank Nominees Limited as despositaries of the Board	106,800	—
STOCKS ON HAND AND IN TRANSIT	4,743,652	4,476,880
COST VALUE OF SALES AND INSTALLATIONS WORK FOR WHICH CREDIT HAS NOT BEEN TAKEN ...	727,509	535,539
SUNDRY DEBTORS, after providing for bad and doubtful debts and including advances for goods not yet delivered	3,360,071	2,593,639
SHANNON FISHERIES, temporary advances ...	19,997	21,252
CASH IN HAND AND WITH BANKS	20,520	6,393
	£93,023,878	£80,220,972

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

Dr.

		1954/55
	£	£
To Operation, maintenance and repair	12,794	11,053
,, Fishery rates	5,678	4,334
,, General management and overhead expenses	2,890	5,472
,, Transfer to depreciation and renewals reserve	2,350	1,950
,, Balance, carried to Profit and Loss Account	—	3,459
	£23,712	£26,268

No. 11.

Dr. **SHANNON FISHERIES PROFIT AND LOSS**

			1954/55
		£	£
To Balance, brought from Trading Account		6,635	—
,, Interest :—	£		
Payable to the Minister for Finance	3,030		
Apportioned in respect of temporary advances from electricity funds	393		
Other interest	390		
		3,813	4,931
,, Reserve, being amount of capital repaid in respect of advances from Minister for Finance		707	763
		£11,155	£5,694
To Balance, brought down		11,155	5,490
,, Balance, brought forward from last year's account	37,565		32,075
Less: Transfer to Electricity Net Revenue Account, being adjustment of capital charges for years 1935/36 to 1954/55	10,850		
		26,715	
,, Transfer to reserve for renewals of credits (per contra), as additional provision for the renewal of plant		179	—
		£38,049	£37,565
To Balance, brought down		£37,870	£37,565

FOR THE YEAR ENDED 31st MARCH, 1956.

Cr.

		1954/55
	£	£
By Sales of fish, letting of fishing rights and miscellaneous income	17,077	26,268
,, Balance, carried to Profit and Loss Account	6,635	
	£23,712	£26,268

ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1956. *Cr.*

		1954/55
	£	£
By Balance, brought from Trading Account	—	204
,, Balance, carried down	11,155	5,490
	£11,155	£5,694
By Credits arising consequent on the retirements of assets and the sale of scrapped materials	179	—
,, Balance, carried down	37,870	37,565
	£38,049	£37,565

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

Dr.

	Total at 31st March, 1955 less retirements	Expenditure less retirements during year (*a*) and transfers to Electricity Capital Account (*b*)	Total at 31st March, 1956 less retirements
	£	£	£
To Fishery rights and fisheries	9,828	(−)9,565 (*b*) (−) 263 (*a*)	—
„ Works to preserve fisheries	32,004	—	32,004
„ Other capital expenditure	33,361	236 (*a*)	33,597
	£75,193	(−)£9,592	65,601
„ Capital works in progress	....	....	135
Total of fixed assets, carried to Balance Sheet			£65,736

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

LIABILITIES AND RESERVES		31/3/55
	£	£
Repayable receipts, as per Capital Account	61,703	70,210
Capital reserves, as per Capital Account	22,805	21,944
	84,508	92,154
Electricity funds, temporary advances	19,997	21,252
Sundry creditors	375	2,093
To comply with the Shannon Fisheries Act, 1935, it has been found necessary to re-allocate the capital charged to the Fisheries Account.		
	£104,880	£115,499

FOR THE YEAR ENDED 31st MARCH, 1956.

Cr.

			Total at 31st March, 1956
	£		£
By Repayable receipts (*see* Account No. 14)			61,703
,, Capital reserves:			
Repaid capital, *less* intangible assets written off	5,623		
Provisions for depreciation, renewal and retirement of physical assets, together with proceeds of sale of assets, *less* physical assets retired	17,182		
Total capital reserves	....	....	22,805
Total of repayable receipts and capital reserves, carried to Balance Sheet	....	....	£84,508

AS AT 31st MARCH, 1956.

		31/3/55
ASSETS		
	£	£
Fixed assets, as per Capital Account	65,736	75,708
Stock of material	1,017	1,460
Sundry debtors	257	766
Deficiency, as per Profit and Loss Account	37,870	37,565
	£104,880	£115,499

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, as per last account*	52,856,636
Add: Amount originally obtained as non-repayable rural subsidy and which now becomes repayable capital through the operation of the Electricity (Supply) (Amendment) Act, 1955	4,825,600
Electricity Supply Board 5% Stock, 1966-75	

Shannon Fisheries Capital Receipts

Minister for Finance:	
Advances under the Shannon Fisheries Act, 1935*	

*Adjusted by reference to re-allocation of expenditure on the acquisition

AND REDEMPTION THEREOF TO THE 31st MARCH, 1956.

Total Receipts to 31st March, 1956	Redeemed			Balance Outstanding at 31st March, 1956
	Total to 31st March, 1955	Redeemed during year	Total to 31st March, 1956	
£	£	£	£	£
756,021	753,635	2,386	756,021	—
57,682,236	2,445,836	436,314	2,882,150	54,800,086
10,000,00	—	—	—	10,000,000
£68,438,257	£3,199,471	£438,700	£3,638,171	£64,800,086
68,000	5,589	708	6,297	61,703
£68,506,257	£3,205,060	£439,408	£3,644,468	£64,861,789

of fisheries, in compliance with the provisions of the Shannon Fisheries Act, 1935 (Parts II and III).

LIABILITIES AND RESERVES	£	£	31/3/55 £
REPAYABLE RECEIPTS:			
per ELECTRICITY CAPITAL ACCOUNT	64,800,086		
per SHANNON FISHERIES CAPITAL ACCOUNT	61,703		
		64,861,789	50,475,597
CAPITAL RESERVES:			
per ELECTRICITY CAPITAL ACCOUNT	20,252,033		
per SHANNON FISHERIES CAPITAL ACCOUNT	22,805		
		20,274,838	22,768,802
		85,136,627	73,244,399
LOANS under the Electricity Supply Board (Superannuation) Act, 1942, from the Trustees of			
General Employees Superannuation Fund	£ 88,800		
Manual Workers Superannuation Fund	63,900		
		152,700	1,902,100
MUNSTER AND LEINSTER BANK LTD., OVERDRAFT		1,206,564	—
SUNDRY CREDITORS		4,751,526	3,359,085
RESERVES:	£		
Contingencies reserve ...	1,000,000		
Fuel equalisation reserve ...	500,000		
Fisheries reserve	40,000		
Other reserves and provisions ...	200,003		
		1,740,003	1,763,203
SURPLUS:			
per ELECTRICITY NET REVENUE ACCOUNT ...		121,341	46,432
		£93,108,761	£80,315,219

NOTE:
At 31st March 1956 there were outstanding contractual commitments in respect of capital and other expenditure, estimated to amount to £8,500,000.

R. F. BROWNE, *Chairman.*

PATRICK J. DEMPSEY, *Secretary.*

AS AT 31st MARCH, 1956.

ASSETS	£	£	31/3/55 £
FIXED ASSETS:			
per ELECTRICITY CAPITAL ACCOUNT	83,983,595		
per SHANNON FISHERIES CAPITAL ACCOUNT	65,736		
		84,049,331	72,601,243
BOYNE DEVELOPMENT SUSPENSE ACCOUNT ...		61,734	61,734
ELECTRICITY SUPPLY BOARD 5% STOCK 1966/75, (nonimal £107,732), at cost held by the Munster and Leinster Banks Nominees Ltd., as depositaries of the Board		106,800	—
STOCKS ON HAND AND IN TRANSIT		4,744,669	4,478,340
COST VALUE OF SALES AND INSTALLATIONS WORK FOR WHICH CREDIT HAS NOT BEEN TAKEN ...		727,509	535,539
SUNDRY DEBTORS, after providing for bad and doubtful debts and including advances for goods not yet delivered		3,360,328	2,594,405
CASH IN HAND AND WITH BANKS		20,520	6,393
DEFICIENCY:			
per SHANNON FISHERIES PROFIT AND LOSS ACCOUNT		37,870	37,565*
		£93,108,761	£80,315,219

* As shown in the Shannon Fisheries Profit and Loss Account for the year ended 31st March, 1956, this figure has since been adjusted to £26,715.

JOSEPH FOGARTY, *Chief Accountant.*

AUDITORS' REPORT

As Auditors appointed by the Minister for Industry and Commerce, with the consent of the Minister for Finance, we have examined the foregoing Accounts and Balance Sheet. We certify, subject to the notes thereon and the undermentioned qualifications, that the Balance Sheet as at the 31st March, 1956, 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.

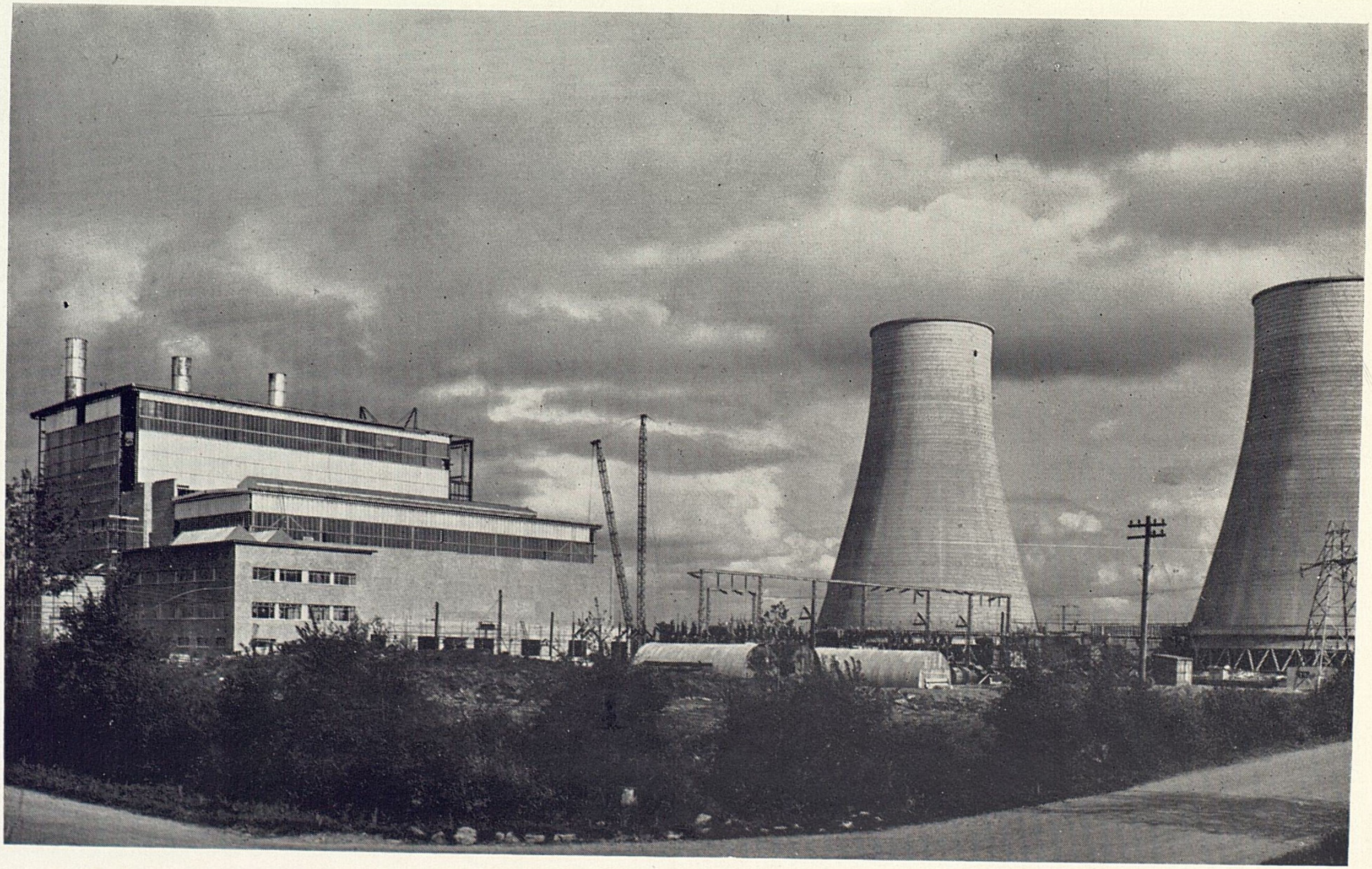
(*c*) Credit has been given to Merchandise Trading Account for a sum representing a proportion of the expenses regarded as relating to the sale of Electricity, and this has been charged to Electricity (non-Rural) Revenue Account and Electricity (Rural) Revenue Account.

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.

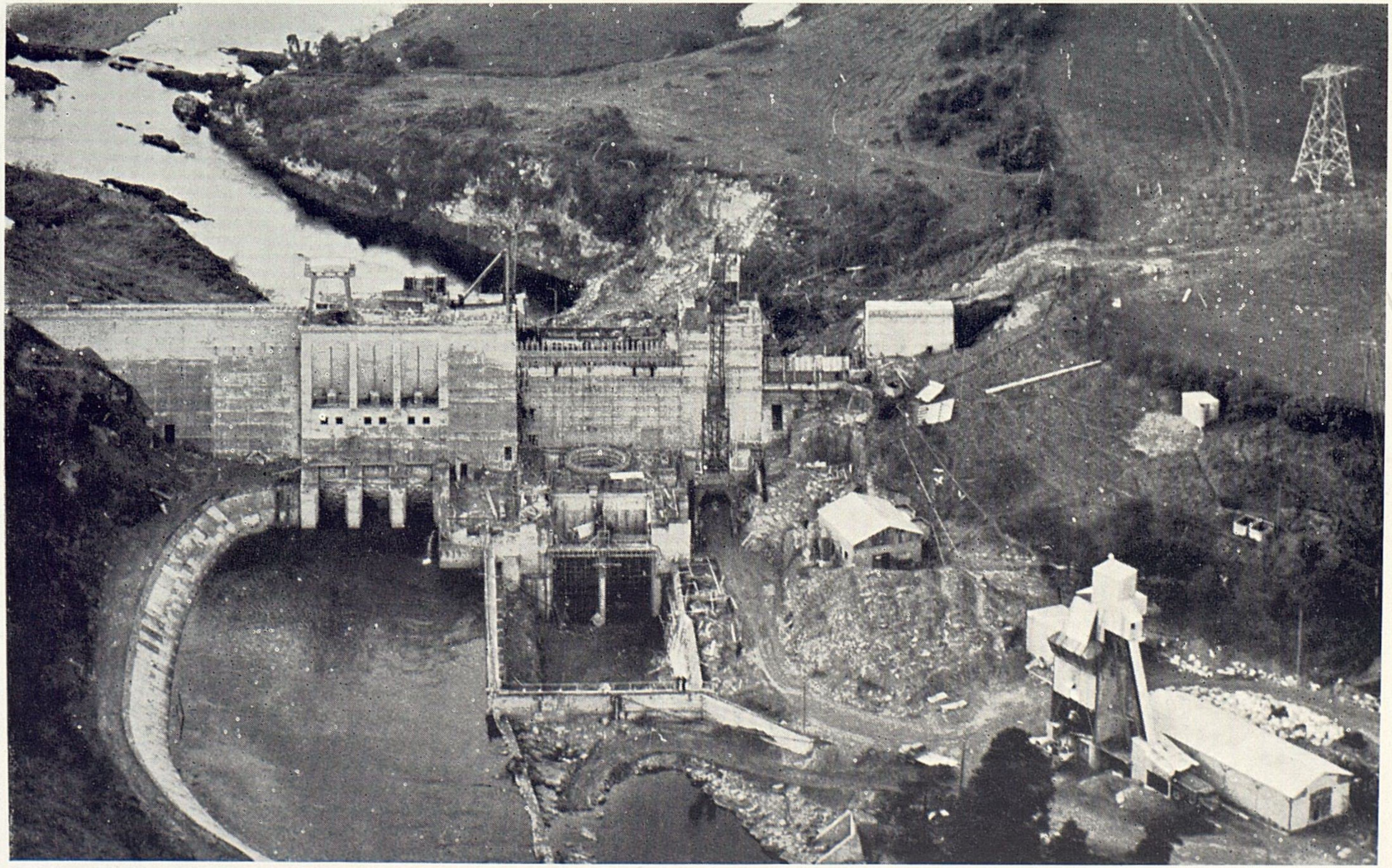
The value of certain intangible assets as classified by the Board's officials has been written off out of the amounts at credit of Capital Reserves with the approval of the Board.

KENNEDY, CROWLEY & CO.,
Auditors.

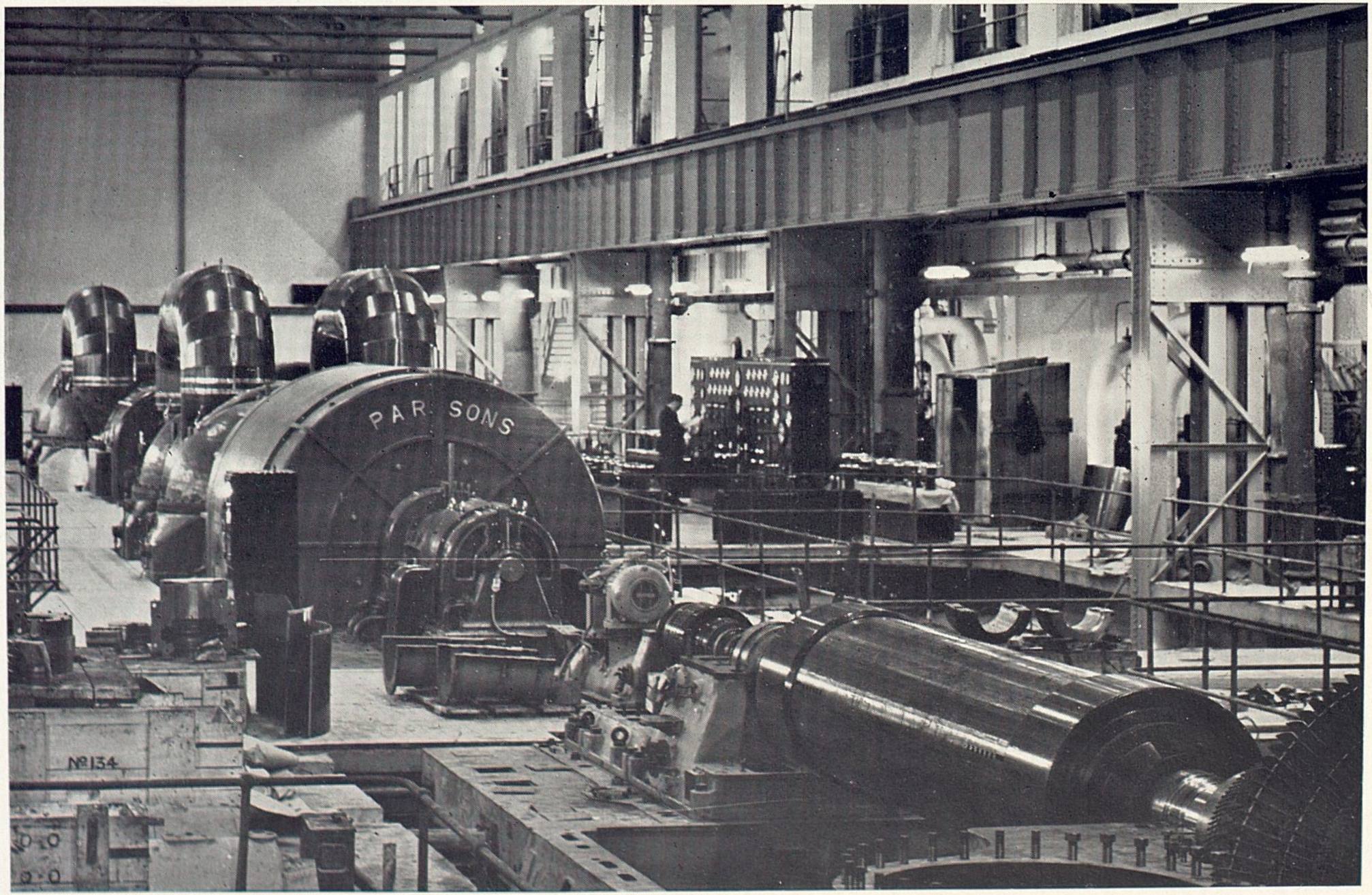
4 AND 5 WESTMORELAND STREET
DUBLIN, 15*th June*, 1956.



THE GENERATING STATION AT FERBANE WHICH WILL OPERATE ON MILLED-PEAT.



WORK IN PROGRESS AT THE CARRIGADROHID STATION ON THE RIVER LEE.



THE ENGINE ROOM IN THE RINGSEND POWER STATION, DUBLIN.



WORK IN PROGRESS ON THE DAM AND POWER STATION AT INNISCARRA ON THE RIVER LEE.