### VICTORIA

# STATE ELECTRICITY COMMISSION OF VICTORIA

# THIRTY-SIXTH ANNUAL REPORT

FOR THE

# FINANCIAL YEAR ENDED 30TH JUNE, 1955

TOGETHER WITH

# **APPENDICES**

PRESENTED TO PARLIAMENT PURSUANT TO SECTION 35 ( $\hbar$ ) OF STATE ELECTRICITY COMMISSION ACT No. 3776.

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COMMISSION

OF

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# STATE ELECTRICITY COMMISSION OF VICTORIA

# FEATURES OF 1954-55 OPERATIONS

	1954 - 55	1953-54	Increase or Decrease	Percentage
FINANCIAL				
NCOME—  Electricity Supply £  Briquetting (after Stock Adjustment and less Transfers to	24,838,401	22,117,381	+ 2,721,020	+ 12.3
Works)          £           Brown Coal (less Transfers to Works)          £           Tramways          £           Miscellaneous          £	1,195,111 551,162 181,727 15,425	884,652 484,330 184,756 9,860	+ 310,459 + 66,832 - 3,029 + 5,565	+ 35·1 + 13·8 - 1·6 + 56·4
TOTAL INCOME £	26,781,826	23,680,979	+ 3,100,847	+ 13.1
EXPENDITURE (incl. Appropriations, Writings off etc.)	26,422,258	23,321,485	+ 3,100,773	+ 13.3
NET SURPLUS £	359,568	359,494	+ 74	_
CAPITAL EXPENDITURE—At end of Year £ RESERVES—At end of Year £	192,325,336 26,571,499	173,313,439 24,533,646	+ 19,011,897 + 2,037,853	+ 11.0
ELECTRICITY PRODUCTION AND SALES				
MAXIMUM COINCIDENT DEMAND ON POWER STATIONS (21st June, 1955) kW	836,020	701,650	+ 134,370	+ 19.2
ELECTRICITY GENERATED— kWh-millions	3,970 4	3,502-4	+ 468.0	+ 13.4
ELECTRICITY SALES— kWh-millions	3,183.5	2,814-7	+ 368.8	+ 13·1
NUMBER OF CONSUMERS (excluding Bulk Supplies)	532,277	501,994	+ 30,283	+ 6.0
AVERAGE kWh SOLD PER CONSUMER—  Domestic	1,921 4,654 4,307 1,203	1,770 4,330 4,037 1,095	+ 151 + 324 + 270 + 108	+ 8·5 + 7·5 + 6·7 + 9·9
Domestic	2·214 3·114 1·679 2·076	2·297 3·120 1·685 2·106	- 0.083 - 0.006 - 0.006 - 0.030	- 3·6 - 0·2 - 0·4 - 1·4
MOTORS CONNECTED—  Number	129,136 702,898	121,664 657,970	+ 7,472 + 44,928	+ 6·1 + 6·8
NUMBER OF FARMS SERVED	30,131	27,082	+ 3,049	+ 11.3
BRIQUETTES— Produced tons Sold and used at Power Stations tons	630,579 581,594	587,252 612,394	+ 43,327 - 30,800	+ 7·4 - 5·0
BROWN COAL PRODUCED— Yallourn Open Cut tons Yallcurn North Open Cut tons	7,371,144 1,391,031	6,718,750 1,262,094	+ 652,394 + 128,937	+ 9·7 + 10·2
TRAMWAY PASSENGERS	12,637,464	12,716,816	- 79,352	- 0.6

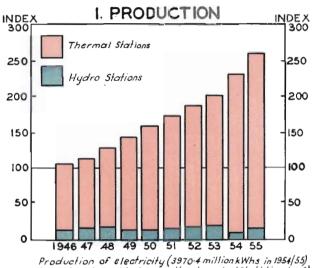
# TEN YEAR STATISTICAL REVIEW BASE YEAR 1944/45=100

### MAIN FEATURES OVER THE DECADE :-

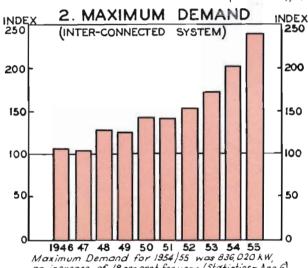
- Electricity production and sales have almost trebled.
- New generators installed have no more than kept pace with demand.

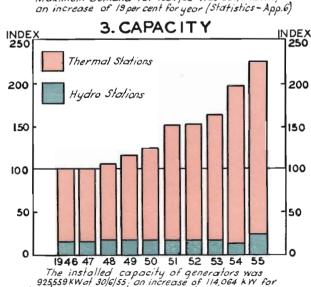
  Despite major increases in cost levels, the cost per kWh of domestic electricity is only 24% higher than 10 years ago, largely because of the substantial increase in the use of electricity per consumer.

  Active rural electrical development has doubled country consumers (farms supplied have more than trebled).

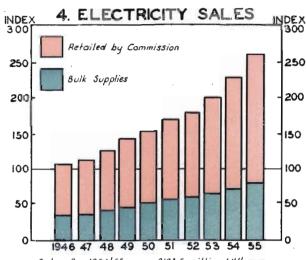


Production of electricity (3970-4 million kWhs in 1954/55) has almost trebled over the decade (Statistics-Apple)

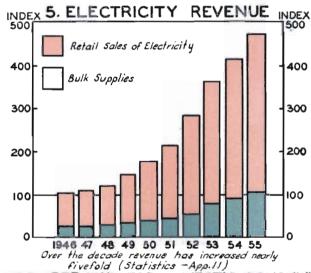




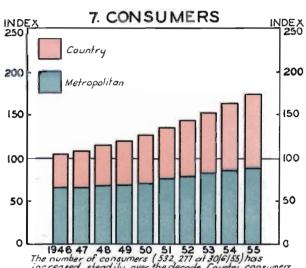
(Statistics - App.8)

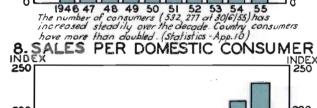


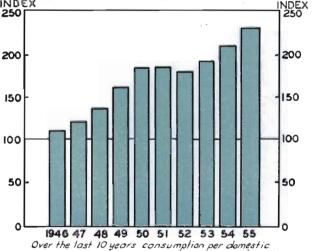
Sales for 1954/55 were \$183.5 million kWhs; an increase of 13.1 per cent over last year (Statistics-App.11)



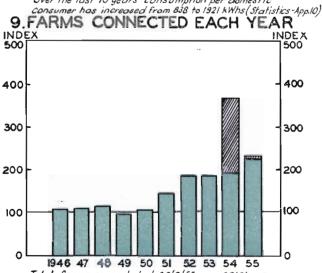
6. COST PER KWH FOR DOMESTIC CONSUMERS 250 200 200 Basic Woge-150 150 100 100 50 1946 47 48 49 50 51 52 53 54 55 As a result of increased use of electricity, revenue per kWh is only 24 per cent higher than ten years ago notwithstanding that the basic wage has more than doubled (Statistics - App.II)







Over the last 10 years consumption per domestic



Total farms connected at 30/6/55 was 30/31 an increase of 3049 for the year. Shaded portion of the graphs represents farms previously supplied by undertakings acquired. (Statistics-Apple)

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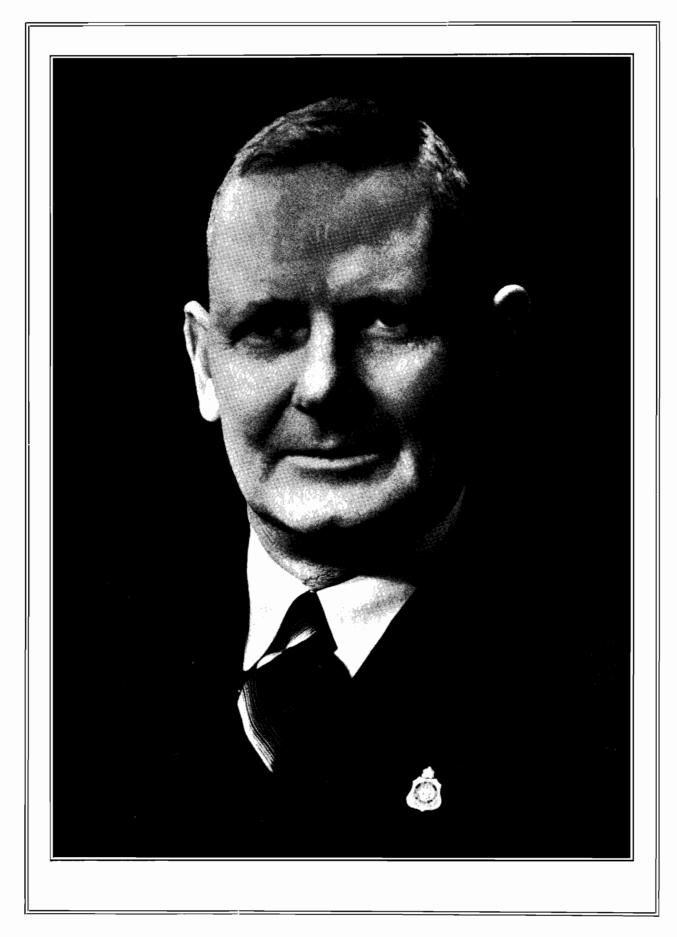
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NOTE: Information previously published in Annual Reports regarding electricity supply in Victorian centres served by the State Electricity Commission and Municipal and private undertakings is now published in a separate booklet, expies of which are obtainable on request.





DR. W. D. CHAPMAN, M.C.E., D.Eng., M.I.E.Aust., M.I.C.E., who died on the 6th May, 1955, served as a Commissioner since 1944 and was Acting Chairman, April-August, 1949. (See further reference, Page 28.)

# THIRTY-SIXTH ANNUAL REPORT

0

Honourable J. S. Bloomfield, M.L.A., Minister of Electrical Undertakings, MELBOURNE.

Sir,

In conformity with the provisions of Section 35 (b) of the State Electricity Commission Act No. 3776, we have the honour to present the Thirty-sixth Annual Report of the Commission, covering the financial year ended 30th June, 1955, together with the Balance Sheet and Profit and Loss Account.

It is gratifying to Commissioners to report:—

- The year's operating results again were financially satisfactory.
- Electricity sales increased by 13 per cent. this increment was almost as large as for the previous year (16%), which was a record.
- 30,300 new consumers were supplied by the Commission, including 3,050 farms.
- Brown coal production was 8.8 million tons the highest figure yet recorded.
- Briquette production (630,000 tons) was also the highest yet recorded.
- New plant increased the installed capacity of generators by 114,000 kW to 925,559 kW.
- Despite the absence of reserve capacity, generating plant was just able to cope with the exceptionally large increase in the electricity requirements of consumers.

### FINANCIAL

The surplus for the year was £359,568 (£359,494 last year) after providing full interest and depreciation on assets in service, strengthening reserves to the extent of £400,000, and writing off £380,822 on account of interest and other expenditure on works under construction.

Income from all sources totalled £26,781,826 — an increase of £3,100,847 (13.1%). Expenditure was £3,819,951 (17.5%) higher.

Last year's results have been encouraging, despite the use of large quantities of high-priced fuel at thermal stations other than Yallourn — at Newport the fuel cost per kilowatt-hour generated is three times that of Yallourn. There is scope for further improvement in overall fuel costs as further generating plant at Yallourn "C" and "D," and later at the Morwell power and fuel project, permits the whole of the base load gradually to revert to Yallourn-Morwell and to be based on the use of brown coal.

Costs generally were increased by the higher margins awarded by the Arbitration Court. The Commission faces the new financial year with the prospect of an increase in general wage rates and of having to bear additional interest and other charges in respect of capital works under construction. Reference is made elsewhere in this report to the prolonged period of construction of major projects because of the difficulties in recent years of obtaining the requisite finance. Also, there is the need to hold in the business funds to assist in providing finance for capital works vital to the continuity of service. This latter aspect is today of great significance to most public and private large-scale enterprises.

The Commission's electricity tariffs have not increased since 1952, and it is not to be expected that electricity charges can escape the effects of existing and prospective increases in costs such as those mentioned. Rather it is a question of how long can an increase in tariffs be deferred. The decision made 18 months ago — and announced in the last report — to reduce residential tariffs, as then stated, was based on the assumption that by now there would have been "more stability in cost levels." But unfortunately, at this date, the prospects of increase in cost levels are very real.

# ELECTRICITY SUPPLY

Electricity sales totalled 3,184 million kilowatt-hours — an increase of 369 million kilowatt-hours, or 13 per cent. — compared with the record increment of 395 million kilowatt-hours last year. 30,283 new consumers (3,049 farms) were supplied during the year, including 3,459 consumers previously supplied by undertakings acquired.

The Commission supplied (directly or indirectly) 99 per cent. of the electricity consumed in Victoria.

# MAJOR WORKS PROGRAMME - POWER AND FUEL

During the year 114,000 kW were added to the installed capacity of generators as compared with 136,000 kW last year. Supplemented by private plants (approx. 10,000 kW) this additional capacity enabled the Commission to meet the much higher electricity requirements of consumers.

The Commission again emphasises the need to build up a substantial reserve of generating plant to provide a safeguard against unexpected breakdowns or national or other emergencies. The absence of such a reserve, on many occasions, has caused grave concern in maintaining continuity of supply to consumers.

At the present rate of construction, it will be several years before any appreciable reserve will be available. The dominant factor governing the rate of progress of installing new plant is the extent of the financial resources available.

The principal additions to generating plant were the second 50,000 kW turbo-generator at the augmented Yallourn Power Station, 30,800 kW (first two generators) at Kiewa No. 4 Power Station, the installation after reconditioning of two sets at Eildon Power Station (total capacity 16,000 kW) and 15,000 kW at the Spencer Street Power Station (Melbourne City Council).

Progress with extensions to the Yallourn Power Station, the Morwell Power and Fuel Project, and at the Kiewa Hydro-Electric Scheme, is referred to later in this report.

### PARLIAMENTARY VISIT TO YALLOURN AND MORWELL

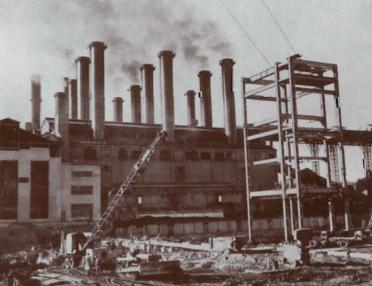
At the invitation of the Minister of Electrical Undertakings, an official inspection of the Commission's Yallourn and Morwell undertakings was made by Members of both Houses of Parliament on the 1st September, 1955.

EXTENSIONS TO YALLOURN POWER STATION.

New "C" Station almost complete. Two 50,000 kW turbo-generators in operation with four boilers — remaining two boilers and a 6,000 kW turbo-generator to be in service by winter of 1956.

New "D" Station to house two 50,000 kW turbogenerator sets. Foundations for boiler and turbine houses completed; first boiler frame being erected.





# ANNUAL ACCOUNTS

# SUMMARY OF INCOME AND EXPENDITURE

After making full provision for interest and depreciation, the income, expenditure and net surplus were as follows:—

£	£										2
								LY	ELECTRICITY SUPPL		
	24,838,401 23,583,769								Income Expenditure		22,117,381 20,105,436
1,254,633					*** **				Profit	2,011,945	
									BRIQUETTING		
	1,195,111 $1,175,176$								Income Expenditure		884,652 824,084
19,93									Profit	60,568	
					$\mathcal{H}$	IORT1	RN	LLOU	BROWN COAL - YA		
	551,162 384,115								Income Expenditure		484,330 381,072
167,04						-17747			Profit	103,258	
								WAYS	PROVINCIAL TRAMV		
	$\frac{181,727}{415,325}$				123001				Income Expenditure		$\frac{184,756}{412,672}$
233,59 15,42 83,05									Loss Miscellaneous Income Miscellaneous Expend	227,916 9,860 98,221	
									MAKING A TOTAL		
	26,781,826 25,641,436								Income Expenditure		23,680,979 21,821,485
1,140,39							3000		Profit	1,859,494	
					r exper	d othe	est an	intere	Appropriations from t		
	380,822	now	ııısea	capita	rarily	tempo	etion		under co written o		1,250,000
	400,000			e	Reserv				Contingency a Rate Stabilisa		250,000
780,82										1,500,000	
£359,56		icra!	to Ger	erred 1	transfe	ı was	whic	rplus	Leaving a su Reserve	£359,494	

As compared with the previous year, the variations in the respective financial results were:-

Electricity Supply Profit down £757,313

Briquetting Profit down £40,633

Brown Coal Profit up £63,789

Tramways Low up £5,682

Wages and salaries margins introduced during 1954/55 will cost the Commission approximately £1.1 million per annum, of which £750,000 is chargeable to operations (£450,000 in 1954/55). This factor and the long-term increase in average interest rates (£200,000 in 1954/55), combined with the following, account for the above variations:—

ELECTRICITY SUPPLY — Residential and public lighting tariff reductions in 1954.

BRIQUETTING — Non-recurring revenue in 1953/54 due to stock adjustments, and special "writings out" against operations in 1954/55.

BROWN COAL — Sales increased by 75,773 tons (14.6%). More economical production resulting from new conveyor system partially offset the general cost increases.

# ASSETS AND LIABILITIES

Capital expenditure at 30th June, 1955, was as under:—

of 30/6/54		As at 30/6/55
	Fixed Capital —	r
	Coal Production	12,029,681
	Briquefte Production and Distribution (£3,860,668 transferred to Power Production)	16,477,926
	Power Production	68,065,981
	Transmission, Transformation and Distribution Systems	55,183,168
	General (for details see Appendix No. 3)	40,568,580
		£192,325,336
	Current Assets in excess of Current Liabilities	6,959,854
	Overburden Suspense (cost of uncovering coal yet to be won)	4,830,130
	Other Suspense Expenditure (net)	7,387,471
	The funds for this expenditure were obtained from:—	£211,502,791
	Loans —	
	Victorian Government Advances	41,744,195
	S.E.C. Debentures and Inscribed Stock	141,081,404
	Acquired Undertakings' Debentures and Inscribed Stock	571,982
£164.086.427		£183,397,581
	*Depreciation and Sinking Fund Reserve	20,993,929
	Other Reserves	3,845,755
	Consumers' Advances for Construction	3,265,526
		£211,502,791

\*Excluding the external investment of reserves.

The General Profit and Loss Account, Balance Sheet, Schedules of Fixed Capital, Loans raised by the Commission, and Debentures guaranteed by the Commission, are shown in Appendices Nos. 1, 2, 3 and 5.

# RESERVES

Reserves at 30th June, 1955, were:

Depreciation and S	Sinking Fund	Reserve	 	 	£21,608,869	(Increase of £1,438,506)
Contingency and	Obsolescence	Reserve	 	 	£1,982,032	(Increase of £383,053)
Rural Developmen	t Reserve		 	 	£993,737	(Decrease of £206,263)
Rate Stabilisation	Reserve		 	 	\$500,000	(Unchanged)
General Reserve			 	 	£1,486,861	(Increase of £422,557)

The Depreciation and Sinking Fund Reserve is augmented by regular provision for depreciation of fixed capital assets in service. Sinking Fund payments are met in full from the funds of this Reserve, the balance of which is used in the business of the Commission.

The Contingency and Obsolescence Reserve was strengthened by the appropriation from the year's profit and the General Reserve by transfer of the year's surplus and the Sinking Fund equity in matured loans.

# LOAN LIABILITY

The total loan liability at 30th June, 1955, was £183,397,581, the increase for the year (£19,311,154) being incurred as follows:—

	Dessi Retemptions				
	New Indebtedness £	Sinking Fund Contributions £	Maturity Repayments £	Nen Increase £	
State of Victoria	2,019,136	318,983		1,700,153	
State Electricity Commission Loans	18.313,489	591,075	225,000	17,497,414	
Municipalities (acquired undertakings)	1.48,111	34,524		113,587	
	£20,480,736	€944,582	£225,000	£19,311,154	

The following is a summary in round figures of the new loan moneys (apart from advances by the Victorian Government) received in each of the last six years — conversions and short term loans redeemed within the year are excluded:—

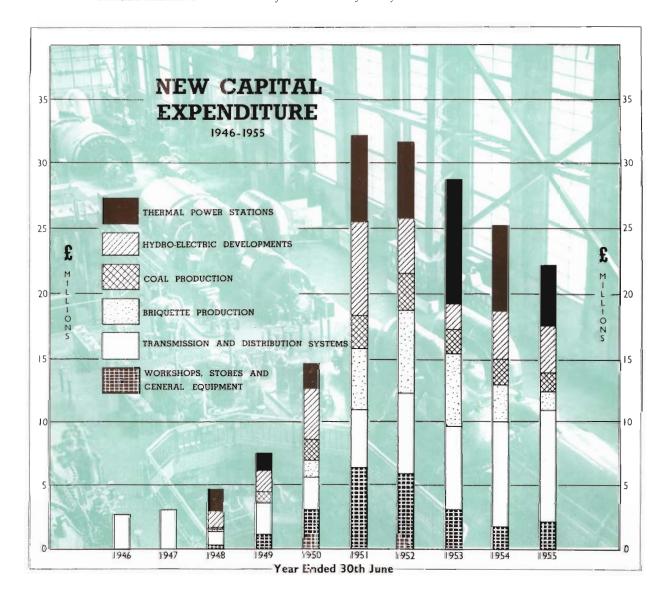
Year ended 30th June	Public Loans	Private Loans	Total
	£	£	£
1950	3,900,000	13,700,000	17,600,000
1951	9,100,000	22,500,000	31,600,000
1952	18,500,000	4,700,000	23,200,000
1953	9,100,000	8,100,000	17,200,000
1954	11,900,000	11,600,000	23,500,000
1955	11,000,000	7,300,000	18,300,000

In December, 1954, legislation was passed increasing the Commission's borrowing powers by £50 million to £215,500,000 — State Electricity Commission (Borrowing) Act 1954 No. 5827.

# CAPITAL EXPENDITURE

Total Capital Expenditure at 30th June, 1955, was £192,325,336, an increase of £19,011,897 for the year, after deduction for retirements and the writing off of non-productive expenditure. Details of increases are set out in Appendix No. 3.

This year's accounts provide for interest during construction since July, 1954, on the Morwell project to be treated as an item of capital suspense, with the intention that it be liquidated over a period of years. This financial treatment was part of the Commission's recommendation for a modified form of development of the project described in our last report and adopted by the Government in May, 1954. Similar financial treatment, but of more limited application, has been accorded to certain Kiewa works already much delayed by financial restrictions.



# FUTURE DEVELOPMENT OF STATE GENERATING SYSTEM

The maximum demand upon the interconnected system this year was approximately 840,000 kW, and the Commission estimates that by 1964 — that is, nine years hence — the demand will have reached at least 1,600,000 kW.

Large plant installations at the several major power generating projects referred to later in this report, and at a planned new power station in the Latrobe Valley, must be brought to completion during the next decade to cope with the rapid growth in Victoria's electricity requirements. This doubling of generating capacity will impose an extremely heavy task on Commission personnel. However, while the physical works and related contracts can be planned and undertaken on a long-term basis, today the most important consideration affecting long-term planning of large scale power and fuel projects is the inability to ensure that sufficient funds will be available for their uninterrupted manufacture and erection. Finance in present circumstances cannot be planned for even as long as a year in advance — a situation which seriously concerns all large instrumentalities of the Crown throughout Australia, and particularly those whose finance for new projects rests solely or mainly upon their own borrowing authority.

To keep pace with the ever-increasing demands for power and fuel, the Commission estimates that it should be adding to its plant at an annual expenditure rate of not less than £30 million. The Commission's grave anxiety for the future will be understood if this estimate is compared with the actual loan raisings in recent years (see page 9).

The major power projects approved or under study for planning in detail are as follows:—

Yallourn Power Station — The "C," "D" and "E" extensions will bring the capacity of this station to 531,000 kW.

Morwell Power and Fuel Project — Developments authorised to date will provide 91,000 kW by 1960.

New Latrobe Valley Power Station — A new power station with an installed capacity of 300,000 kW by 1964 — ultimate capacity of possibly 600,000 kW.

Kiewa Hydro-Electric Scheme — Capacity will probably be progressively increased to 330,000 kW.

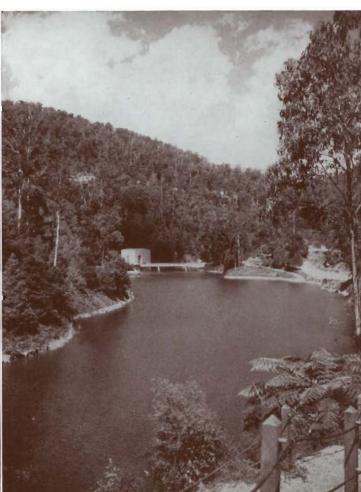
Snowy Mountains Hydro-Electric Scheme — Sharing of output of this scheme is expected to commence early in 1959. By 1964, when the Commission's generating system would have attained 1,800,000 kW, the Snowy Scheme is likely to add 200,000 kW of low load factor power.

### KIEWA HYDRO-ELECTRIC SCHEME

At right: View upstream from Clover Dam showing pondage and No. 3 Power Station (background).

Below: Headrace Tunnel — gravel trap in foreground — serving No. 4 Power Station where three of four 15,400 kW turbo-generators are in operation. Fourth set to be in service for winter of 1956.





# SNOWY MOUNTAINS HYDRO-ELECTRIC SCHEME

The Commonwealth Government in 1949 established the Snowy Mountains Hydro-Electric Authority to develop the use of streams in the Australian Alps, around the Mt. Kosciusko area, for irrigation and power purposes. A broad outline of the scheme was contained in the Commission's 30th Annual Report (1949): ultimately, by 1985, when Victoria's demand would have reached over 5,000,000 kW, about 1,000,000 kW of low load factor power would be available from the scheme to this State (this would provide about 8 per cent. of the energy requirements at that date).

Negotiations have continued between the Commonwealth and the States of New South Wales and Victoria regarding the terms and conditions upon which the State water and electricity authorities will participate in the scheme, and considerable progress has been made.

Subject to the conclusion of a satisfactory agreement, it is expected that Victoria will be receiving power (initially 25,000 kW) from the scheme by early in 1959, and preparations are being made by the Commission for building the transmission line between the Snowy area and the State interconnected system at Kiewa.

Progress has been made by the Snowy Mountains Authority in constructing the scheme, and the Guthega Power Station — which supplies its output to New South Wales — came into operation in February, 1955. Work is proceeding on the T.1 and T.2 Power Developments (Tumut Section) — total capacity 600,000 kW — from which the Commission expects to receive a one-third share of the outputs commencing in 1959 with 25,000 kW and increasing progressively.

A broad examination of the scheme, particularly in relation to the integration of Snowy power with the New South Wales and Victorian State systems, is being undertaken by Ebasco Services Incorporated, of New York, for the Governments of the Commonwealth, New South Wales and Victoria.

# USE OF ATOMIC ENERGY FOR POWER GENERATION

Experimental power stations using atomic energy for the generation of electricity are being constructed or are planned in Great Britain and the United States of America, and the operating experience of these will be followed with great interest. At these stations, atomic energy will provide a new method of producing heat for boilers, but apart from this at present the remainder of the power station plant would be along substantially conventional lines.

Thus atomic power stations will be of most value where solid fuel supplies or water power resources are inadequate. This State is singularly fortunate in having enormous deposits of easily accessible brown coal which today provide one of the cheapest means of providing heat energy continuously in great volume.

Advice from overseas sources is that the estimated cost of generating electricity at power stations using present known methods of harnessing atomic energy would be substantially greater than at Victorian power stations using brown coal.

The Commission will be represented on the Commonwealth-State body now being formed for the purpose of exchanging information and keeping the States informed of developments in the industrial application of atomic energy.

# CONNECTION OF NEW CONSUMERS

# FINAL PHASE OF ELECTRIFICATION OF THE STATE

In 1951 the Commission's Report on the Final Phase of the Rural Electrification of Victoria was presented to Parliament. The report provided for 178,000 consumers to be connected in areas outside the metropolis during the succeeding ten years, leaving at the end of that period some 15,000 homes in the most isolated parts of the State without supply: every effort will be made to include as many of these as possible in the plan.

At 30th June, 1955, approximately 615,000 dwellings were supplied with electricity in the State of Victoria, leaving 51,000 homes outside of the metropolis without supply, including 15,000 in the most isolated parts. In addition to those dwellings at present without supply, it is estimated that the Commission will be connecting dwellings yet to be erected at the rate of 10,000 per annum.

During the four years which have elapsed, considerable progress has been made with rural electrical development, and work is ahead of schedule.

Because of the continued shortage of capital funds, the Commission again has had to seek the assistance of prospective consumers under its "fifty-fifty" self-help plan whereby extensions were undertaken on the basis of the prospective consumers agreeing to advance 50 per cent. of the capital cost of construction. Under this arrangement quarterly accounts for electricity consumed are offset against each advance and any balance remaining after five years is refunded; interest is credited on advances. Much of the success in maintaining progress under the rural development plan can be attributed to this co-operative effort by consumers.

# SUMMARY OF PROGRESS-116,600 NEW CONSUMERS IN FOUR YEARS

Year ended 30th June		Total	Metropolitan area	Outside Metropolitan area	Farms Connected			
1952					27,332	8,518 (31 per cent.)	18,814 (69 per cent.)	2,381
1953					25,947	7,979 (31 per cent.)	17,968 (69 per cent.)	2,373
1954					°33,033	7,713 (23 per cent.)	°25,320 (77 per cent.)	°4,756
1955					f30,283	8,539 (28 per cent.)	†21,744 (72 per cent.)	f3,049
Total	for 4	years	(a) A department		116,595	32,749 (28 per cent.)	83,846 (72 per cent.)	12,559

- Including 8,344 consumers (2,219 farms) from undertakings acquired during the year.
- Fincluding 3,459 consumers (45 farms) from undertakings acquired during the year.

The number of extra-metropolitan consumers has more than doubled and the number of farms connected has more than trebled during the last decade. The extent of country electrical development is evident from the following statistics and the further information in the "Ten Year Statistical Review," Graphs 7 and 9, at the front of this report:—

Financial Year			Total Consumers served by Commission	Extra Metropolitan Consumers	Farms Supplied		
1944-45		 		 	311,172	111,751	8,772
1949-50		 		 	391,005	166,231	15,741
1954-55	904.0	 	170100	 *****	532,277	266,228	30,131

During 1954/55 nearly three times as many consumers were added to the Commission's system in country areas as in the metropolis; the extent of work undertaken in country districts is emphasised by the following comparison:—

Outside

			Metropolitan Area	Metropolitan Area	
Poles erected	 	 	19,062	2,645	
High voltage lines erected	 	 	1,003.8 miles	3.3.4 miles	
Low voltage lines erected	 	 	447 0	58.6 ,,	
Substations erected	 	 ******	1,361	79	

# MAJOR EXTENSIONS PROGRAMME

### SYSTEM GENERATING CAPACITY

Generating plant on order, including associated boiler plant as necessary, its location and planned dates for operation are as follows:—

Plant			Planned Date of Operation (as at 30/6/55)
Yallourn Power Station —			(112 111 217, 17, 111
Four 50,000 kW turbo-generator sets —			
Two sets			In operaton
Two sets			1957/58
One 6,000 kW turbo-generator			1956
Kiewa Hydro-Electric Project			
Four 15,400 kW turbo-generators - No. 4 Power St	ation —		
Two sets	*** *		In operaton
Two sets			1955/56
Six 16,000 kW turbo-generators — No. 1 Power Station	1		1958/59
Morwell Power and Fuel Project			
To produce - First Stage - 42,000 kW			1958
Second Stage — 24,000 kW			1959
Third Stage · · 25,000 kW			1960
Fourth Stage — 42,000 kW			1961
(A 20,000 kW low pressure turbo-generator i	s yet to be	ordered.)	
Eildon Hydro-Electric Project			
Two 60,000 kW turbo-generators			1956
Spencer Street Power Station (Melbourne City Council)			
One 30,000 kW turbo-generator set			1959
In addition —			

- 1. A 40,000~kW set was ordered for Newport Power Station, and its location, capacity and date of installation are under review.
- Two 25,000 kW turbo-generators are to be installed at the Hume Weir by the Electricity Commission of New South Wales by 1957; the output is to be shared equally by New South Wales and Victoria.

### YALLOURN POWER STATION

(Approved Development — Four 50,000 kW Sets)

### Yallourn "C"

This extension, comprising two 50,000 kW turbo - generators, a 6,000 kW back - pressure set and six 200,000 lb./hr. boilers, is almost complete. The first turbo-generator was placed in service on 22nd May, 1954, and the second on 30th April, 1955; four of the associated boilers are in operation and the remaining two are nearing completion. The 6,000 kW back-pressure turbo-generator is being erected.

# Yallourn "D"

This extension is generally similar to the "C" plant; the two 50,000 kW turbo-generators and associated boiler plant were ordered in 1950.

The main boiler and turbine house foundations and the first boiler frame are completed; erection of building steelwork has commenced. The base for the first turbo-generator is being constructed.

### Yallourn "E"

Offers are being sought for the supply and erection of two 75,000 kW turbo-generators, associated plant and buildings, as a further extension to the power station.

## General

New coal handling plant for the "C" and "D" extensions will also improve the fuel delivery to the present "A" and "B" stations. The first section of this plant, comprising a 5,000 ton ditch bunker, a 3,000 ton slot bunker and connecting conveyors, crushing plant, etc., is in operation and excavations for the further ditch and slot bunkers were almost completed.

Altogether some 1,400 men are employed by the Commission and its contractors on these extensions.

# KIEWA HYDRO-ELECTRIC PROJECT

# Water Storages on the High Plains

Work was recommenced on the Rocky Valley Dam (capacity 23,600 acre feet). The cut-off wall is 25 per cent. complete and the placing of selected earth fill proceeded throughout the summer period.

# No. 1 (Upper) Development — Approved Capacity 96,000 kW

Excavation of the headrace tunnel was completed: work on sections requiring concrete lining is in progress. Two contracts have been let for the upper and lower sections respectively of the pressure pipeline to No. 1 Power Station. Work at the power station site has commenced.

No. 1 Power Station will comprise six 16,000 kW turbo-generators and is planned for operation during 1958/59.

### No. 2 Development

No field work has been carried out on this section; preliminary designs were commenced during the year.

# No. 3 Development (Bogong) — Installed Capacity 26,000 kW

This power station has operated since 1944; the development was completed with the bringing into operation of the Bogong Creek raceline in 1953.

### No. 4 Development — Planned Capacity 61,600 kW

Civil works are largely complete. Two of the four 15,400 kW turbo-generators were placed in service during the period under review (on 28th February, 1955, and 2nd June, 1955, respectively) and the third since the close of the year. The fourth set is to be in operation before the winter of 1956.

Work is proceeding on a tunnel to divert water from the West Kiewa River to No. 4 Power Station; the diversion is 30 per cent. complete.

Altogether 1,330 men were employed by the Commission and its contractors on the Kiewa Project at the 30th June, 1955.

### ROCKY VALLEY DAM (CAPACITY 23,600 ACRE FEET) BOGONG HIGH PLAINS.

Placing and compacting selected earth fill in dam excavation (over cut-off wall).

Excavation to bed rock and cut-off wall being erected.





### MORWELL POWER AND FUEL PROJECT

Approved Capacity — 91,000 kW and 2,600,000 tons briquettes per annum (four factories).

Construction work at Morwell was recommenced late in 1954 and there are now some 750 men employed by the Commission and its contractors. Much work has been done on the restoration and completion of accommodation, stores and workshops.

The erection of plant and steelwork has commenced and an order has been placed for the erection of six boilers, ash handling plant and chimneys. Foundations for the first two factories and power plant were completed before work came to a standstill following the substantial reductions in loan funds in 1951. Delivery of steelwork for the first five boilers is now substantially complete — most of the steelwork for the first two briquette factories had been delivered.

Erection of a bucket wheel overburden dredger (output 780 cubic yards per hour) was completed; a bucket chain overburden dredger (output 1,100 cubic yards per hour) and an overburden spreader (output 1,170 cubic yards per hour) were substantially complete. Work on the railway interconnecting the Morwell and Yallourn undertakings has been completed since the close of the year.

Removal of overburden by dredger commenced in October, 1955; during preliminary excavations at the open cut, 3,000,000 cubic yards of overburden were removed.

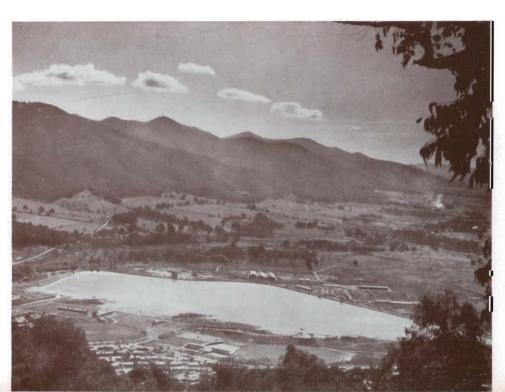
# EILDON HYDRO-ELECTRIC PROJECT

Reference has been made in previous reports to the agreement with the State Rivers & Water Supply Commission concerning the installation of 120,000 kW of additional generating plant at the enlarged Eildon Reservoir. Under this agreement the reservoir has been enlarged slightly beyond the requirements of irrigation so that some water will be available for emergency and peak winter electricity demands; generally, however, storages will be filling during the winter and thus only a limited output of electricity will be generated when demand is highest.

Installation of two 60,000 kW turbo-generators to be in operation in 1956 has commenced in the new power station building which is almost completed. The two generators removed from the old Sugarloaf Power Station were installed after reconditioning in the new building during August, 1954. They will contribute 16,000 kW at times of peak demand when the water level in the reservoir is low.

MT. BEAUTY TOWNSHIP (KIEWA HYDRO-ELECTRIC SCHEME).

Outlet regulating pondage now in operation (regulates the outflow of water from the scheme back into the Kiewa River).



# MAIN TRANSMISSION AND DISTRIBUTION

The first circuit of the new Yallourn-Melbourne 220 kV transmission line (74 miles) was placed in service temporarily at 132 kV on 28th August, 1954; the second circuit is 80 per cent. complete. The first circuit of the Kiewa-Melbourne 220 kV transmission line (153 miles) was placed in service on 17th January, 1955. Work commenced on a 220 kV transmission line to link Thomastown Terminal Station to a new terminal station which is being constructed at Rowville (near Dandenong). Preliminary work has commenced for the new 220 kV line from Kiewa to Shepparton and to Bendigo.

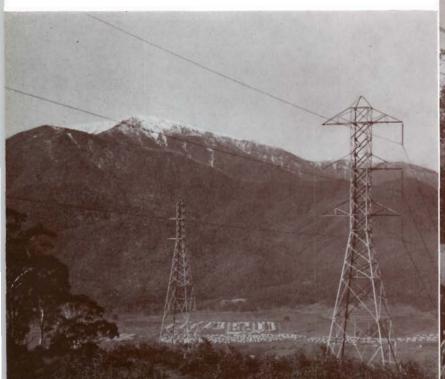
At Brunswick Terminal Station the second bank, comprising two  $37,500~\rm kVA$  transformers, is being installed. The redesigned switchyard at Thomastown Terminal Station was completed and new  $220~\rm kV$  switchgear placed in service.

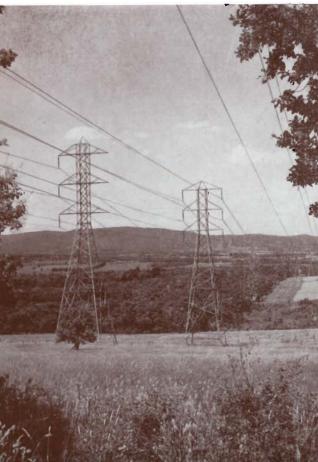
At Malvern Terminal Station a new 40,000 kVA synchronous condenser and associated switchgear have been installed. New main substations have been established at Broadmeadows and Cheltenham.

NEW 220,000 VOLT MAIN TRANSMISSION LINES

At right: Yallourn-Melbourne (74 miles long) — section at Wheeler's Hill, east of Oakleigh. New 220 kV line at left — 132 kV line at right.

Below: Kiewa-Melbourne (153 miles long) — first circuit now in service. Mt. Beauty township at foot of Mt. Bogong at centre. 66,000 volt Kiewa-Wangaratta transmission line at left.





# POWER PRODUCTION

The State generating system comprises interconnected power stations at Yallourn, Melbourne (Newport, Richmond and Spencer Street, City), Kiewa, Eildon-Rubicon, Geelong, Ballarat, Shepparton, Warrnambool and Hamilton. The Commission also operates regional stations at Mildura-Redcliffs and Horsham.

Terminal stations are located at Melbourne (Richmond, Yarraville, Brunswick, Thomastown, East Malvern, Sunshine, Clifton Hill and West Melbourne) and Geelong. The transmission system includes the lines from the interconnected power stations to the terminal stations and from the terminal stations to the main metropolitan substations, together with the lines linking the main substations. Electricity is transmitted to the Commission's various Electricity Supply Branches, Melbourne and country, and also to those Melbourne municipal undertakings which purchase in bulk.

# STATE GENERATING SYSTEM INSTALLED CAPACITY AND LOADING AT COMMISSION POWER STATIONS

Power Station	Installed Capacity of	Maximum	Demand	kWh Genera	ted (Millions)
Power Station	Generators — 30/6/55	1954/55	1953/54	1954/55	1953/51
(i) Interconnected State System					
(a) Thermal Stations Yallourn (including allowance for briquette factory)		260,000	243,000	1,668.1	1,394.0
Melbourne — Newport Spencer Street Richmond Geelong "A" Geelong "B" Ballarat "A" Ballarat "B" Shepparton Warrnambool Hamilton	311,000 88,650 53,000 10,500 30,000 5,900 20,000 10,530 4,980 3,020	303,000 83,000 52,000 11,800 35,400 6,050 25,800 10,300 4,980 1,960	304,400 73,000 51,900 11,900 35,500 6,000 23,800 10,250 4,980 1,800	1,249.9 306.6 175.2 21.6 160.4 8.2 91.0 19.7 7.5 7.4	1,322.7 212.4 202.0 34.1 69.5 13.8 39.6 24.0 6.2 7.7
(b) Hydro Stations Eildon-Rubicon Kiewa	28,915 56,800	31,250 61,000	26,950 28,000	141.5 77.8	92.6 62.3
Total Interconnected System	906,295§	836,020°	701,650°	3,934.9	3,480.9
(ii) Not connected to State System			-		
Redcliffs† Mildura† Horsham‡	10,000 7,000 2,264	8,650 3,800 1,270	5,700 5,300	32.7 $2.4$ $0.4$	10.5 11.0
Sub-Total	19,264	-	-	35.5	21.5
TOTAL	925,559			3,970.4	3,502.4

<sup>\*</sup> Maximum coincident demand.

‡ Taken over by S.E.C. 1st June, 1955.

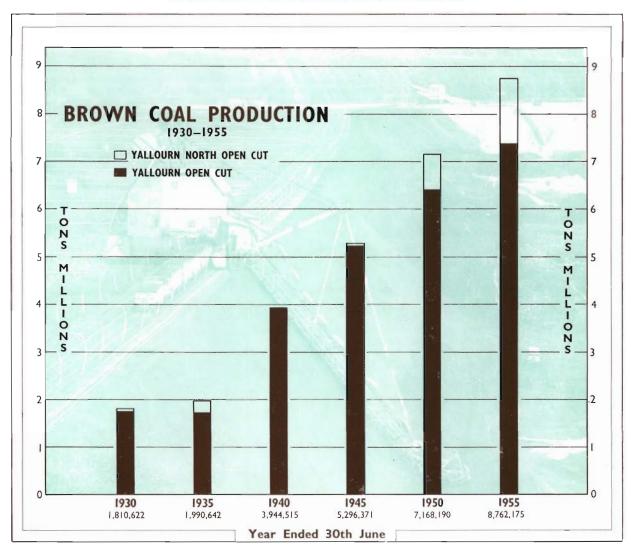
The increased output was met principally by the Yallourn, Spencer Street, Geelong "B," Ballarat "B" and Redcliffs power stations, where new plant has been installed. The two small generators withdrawn from service at the old Sugarloaf station in August, 1953, were installed at the new Eildon station for use under low heads.

Details of loading, output, load factors and fuels used in respect of power stations throughout the State are contained in Appendices Nos. 6 and 7.

<sup>§</sup> The effective capacity of generators is reduced because, at Yallourn, generators have been completed ahead of their related boilers, and at Richmond, Spencer Street and Newport there were some limitations on boiler capacity.

<sup>†</sup> Interconnected.

# COAL PRODUCTION



### Coal Winning

The year's operations brought the total coal excavated since the commencement of operations to over 122 million tons. Of the 7,371,144 tons of coal won during the year, 4,845,476 tons were delivered to the Yallourn Power Station and 2,525,668 tons to the Briquette Factory. On the 5th May, 1955, 25,330 tons of coal were produced — the highest daily output yet achieved.

### Overburden Removal

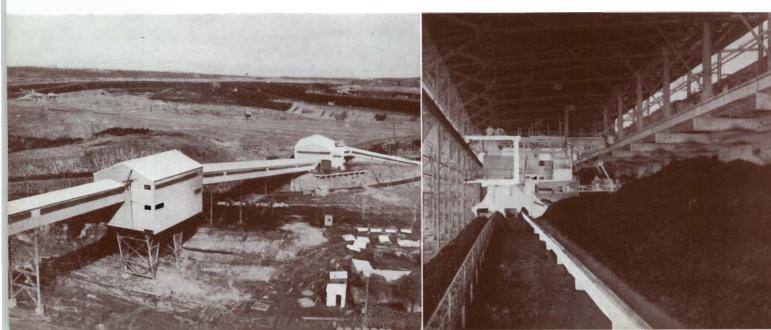
3,575,250 cubic yards of overburden were removed, compared with 2,793,350 cubic yards in the previous year, bringing the total removed to 30th June, 1955, to nearly 46 million cubic yards.

The area of the Open Cut has increased from 816 to 865 acres at grass level and from 722 to 769 acres at the surface of the coal.

### BROWN COAL CONVEYOR SYSTEM - YALLOURN.

Conveyor galleries for transporting coal from Open Cut to Power Station.

5,000 ton ditch bunker at No. 1 coal level — brown coal is deposited by coal trains into bunker for loading into conveyor (at left).



Plant

To provide fuel for planned extensions to the Yallourn Power Station, the annual output of coal will have to be increased progressively to some 10 million tons. Additional dredgers are required to cope with this increase and for the ultimate replacement of two of the older dredgers. Erection of the two German manufactured bucket wheel dredgers ordered in 1951 (capacity of each — 2,340 cubic yards per hour) is nearing completion; one will be used for coal winning, and the second machine (originally ordered for Morwell) will be used at Yallourn for overburden removal.

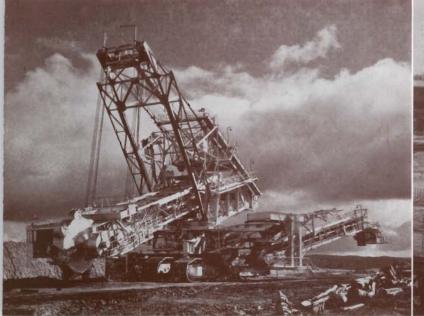
### VALLOURN NORTH OPEN CUT

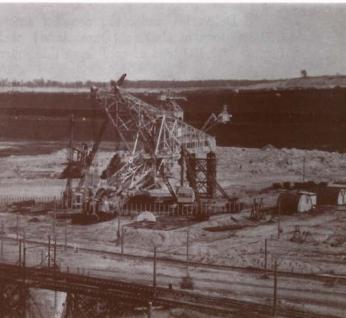
1,391,031 tons of coal were won during the year for power generation (Newport Power Station) and industry, compared with 1,262,094 tons last year. To date, the Commission has excavated 8,705,775 tons from this cut.

At the present rate of production it is estimated that the reserves of coal from this open cut will be depleted in 1959/60. Accordingly, to meet requirements until the Morwell briquette factories come into full production, a limited extension of the open cut workings at Yallourn North (at a site about four miles cast — part of the same coal seam) is being opened up. Supplies from this source will be available about July, 1956.

NEW DREDGERS NEARING COMPLETION

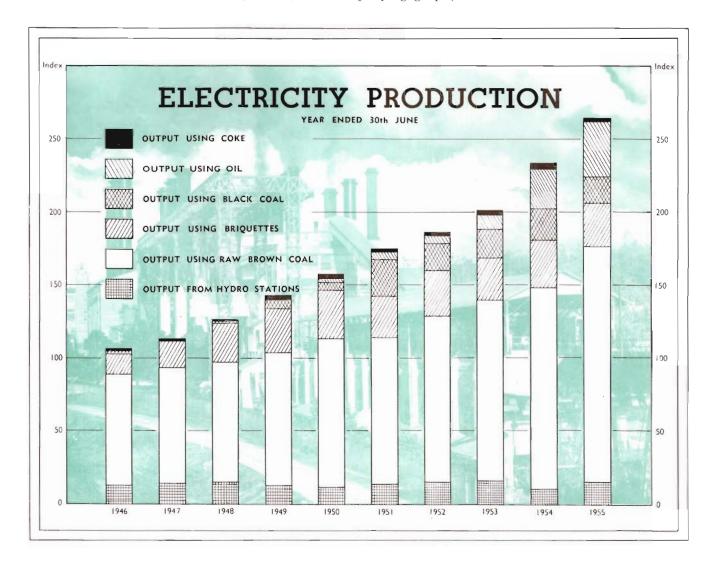
Lubecker (German) bucket wheel overburden dredger — capacity 780 cubic yards per hour — placed in service at the new Morwell Open Cut since the close of the year. Stahlbau Rheinhausen (German) bucket wheel dredger — capacity 2,340 rubic yards per hour — being erected at Yallourn Open Cut as part of programme to augment coal production at this Open Cut to 10 million tons per annum.





# FUEL SUPPLIES

Over the last decade the output from the Commission's power stations has almost trebled. Most of the fuel needed for this increased production has been met from Victoria's own resources — brown coal or briquettes (see accompanying graph).



As previously reported, the only practicable extension of the State generating system for many years was at stations designed originally for peak load operation. As these plants now operate at higher load factors — and will continue to do so for several years yet — they require relatively greater quantities of fuel. During the year, 1,051,917 tons of brown coal (principally from Yallourn North) and 225,830 tons of black coal, mainly from Callide (Queensland), were used at peak-load stations. Fuel supplies were adequate for power station requirements throughout the period under review.

Deliveries under the contract entered into by the State Government in March, 1951, for 600,000 tons of Callide (Queensland) coal were completed and the Commission has ordered a further 300,000 tons of coal from this source.

Conversion of four boilers at Newport "A" Power Station to oil firing is in progress (one converted since the close of the year).

# BRIQUETTE PRODUCTION AND DISTRIBUTION

					Tons
1929-30	 	 	 	 	161,708
1934-35	 	 	 	 	288,240
1939-40	 	 	 	 	428,389
1944-45	 	 	 	 	431,344
1949-50	 	 	 	 	588,564
1954-55	 	 	 	 	630.579

Production was 43,327 tons greater than last year, and is the highest yet attained.

By-product electricity amounted to 92.9 million kWh, of which 59.4 million kWh were delivered to the State system, the remainder being used at the factory. This year 2,239 tons of pulverised fuel were produced for use in Victorian Railways locomotives compared with 1880 tons last year.

With the reconstruction of three more drier stacks at the "A" Factory, work on this section of the plant has now been completed. The re-arrangement of the dried coal conveyors in Factory "B" has also been completed.

Alterations to plant and buildings in Factories "A" and "B" to provide improved operating conditions are now well advanced. Installation at Yallourn of a new four-stamp press transferred from Morwell is in progress.

Two taller chimneys with the latest equipment for the extraction of dust from flue gases are being installed at the boiler house ("B" and "C" Factories). This work is well advanced.

### DISTRIBUTION

Sales						 231,323	tons
(excluding	Commiss	ion	Power	St	ations	 350,271 tons)	
Revenue						 £1,195,111	
Expenditure						 £1,175,126	
Profit						 £19,985	

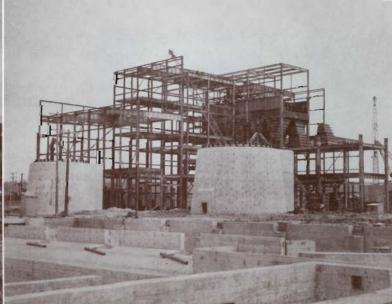
The profit on operations (£19,985) compared with a profit in the previous year of £60,568, which included non-recurring revenue due to stock adjustments. Also there were special "writings out" this year.

### MORWELL POWER AND FUEL PROJECT

Gullet cut ready for future excavation of overburden by dredger. Lubecker (German) bucket wheel dredger, capacity 780 cubic yards per hour (centre), has been placed in service since the close of the year. Alluvial Mining Equipment (Australian construction) bucket chain dredger, capacity 1,100 cubic yards per hour (background), nearing completion.

Framework for boiler house building being erected—foundations are complete.



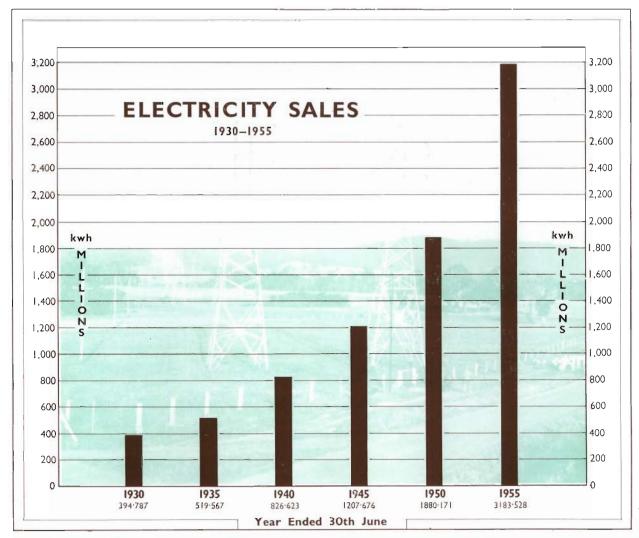


# ELECTRICITY SUPPLY

### ANALYSIS OF DEVELOPMENT

Electricity sold to all consumers, retail and bulk, totalled 3,184 million kilowatt hours — an increase of 13 per cent. for the year.

The increment closely approaches the high level reached last year, which was almost twice the largest previously recorded. This was caused partly by an increase of 6 per cent. in the number of consumers. However, the substantially increased use by existing consumers has continued to reflect a greater application of electricity, particularly for power and heating in industry and commerce, and for general purposes in the home and on the farm.



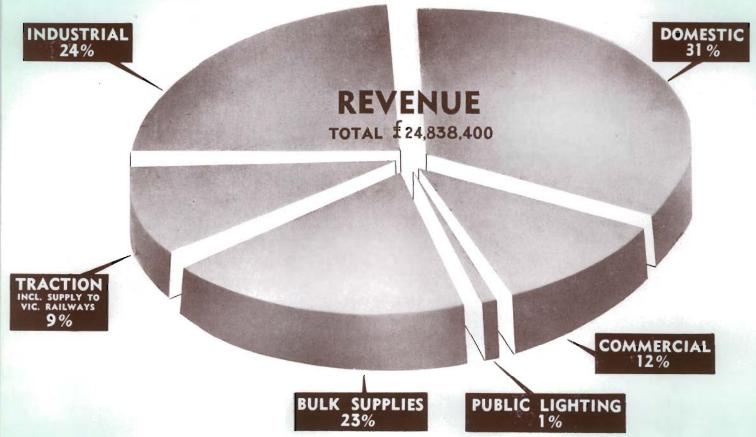
Sales by the Commission to domestic consumers increased by 14.8 per cent.; there were 24,762 new consumers in this class. The average consumption per domestic consumer for each of the five years is as follows:—

	Average Consumption per Domestic Consumer kWh	Increase or Decrease kWh
1950-51	1,566	+ 10
1951-52	1,496	- 70
1952-53	1.600	+104
1953-54	1,770	+170
1954-55	1,921	+151

The average revenue received for each kilowatt-hour sold to the domestic consumer for all household purposes is today lower than the pre-war period, whereas since 1939 the basic wage has trebled. This favourable comparison is largely the result of the greater use of electricity by consumers, particularly at the lower off-peak tariff rates. (Based on 1939 consumption, the average rate per kilowatt-hour sold would have increased by about one-third of the basic wage increase.) The trend over the last ten years is shown in Graph No. 6 — "Ten Year Statistical Review" — at the front of this report.

Sales to commercial and industrial consumers increased by 13.9 per cent. and 14.1 per cent. respectively. The number of consumers in these classes increased by 3,839 and an additional 44,928 h.p. of motors was connected.

# **ELECTRICITY SALES** AND REVENUE SUBDIVISIONS ACCORDING TO CLASSES OF CONSUMERS YEAR ENDED DOMESTIC 30th JUNE, 1955 26% SALES INDUSTRIAL 27% TOTAL 3183.5 MILLION kWhs. COMMERCIAL 7% 9% PUBLIC LIGHTING 1% BULK SUPPLIES 30% DOMESTIC 31 %

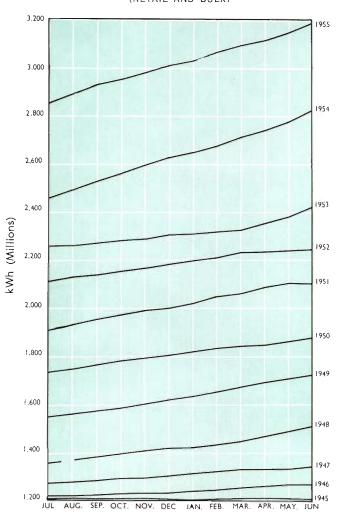


# ELECTRICITY SALES

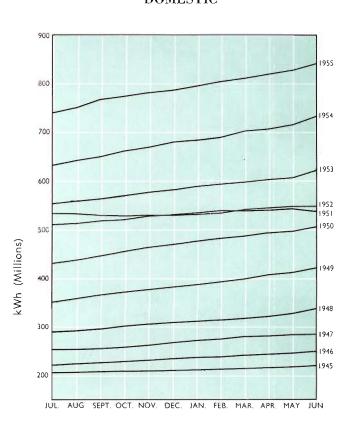
MOVING ANNUAL TOTALS

# TOTAL SALES

(RETAIL AND BULK)



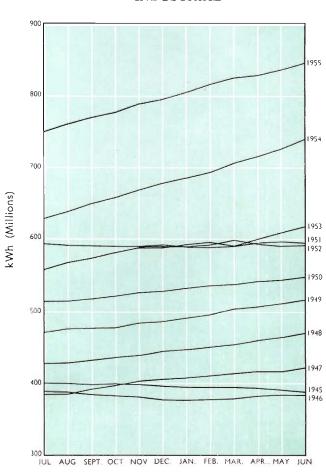
# DOMESTIC



# COMMERCIAL

1955
220
200
1954
1953
1951
140
120
1949
120
100.
SEP. OCT. NOV. DEC. JAN. FEB. MAR. APR. MAY. JUN.

# INDUSTRIAL



### COMMISSION'S UNDERTAKINGS FOR LOCAL DISTRIBUTION

The following summary of statistical data relating to the nine branches of the Commission's Electricity Supply Department is compiled from information contained in this report:

Revenue increased by £1,984,803 (11.5 per cent.) to £19,270,476.

Sales of Electricity increased by 257,976,111 (13.1 per cent.) to 2,227,918,254 kWh.

Consumers increased by 30,283 (6.0 per cent.) to 532,277.

Farms increased by 3,049 (11.3 per cent.) to 30,131.

					. —			
Branch or Region	Area of Supply (sq. miles)	No. of Consumers	Electricity sold kWh	Sub	Increase  stations	this year - Distrit Lit		No. of Farms Supplied
	(mg. mica)	_	(millions)	No.	Capacity kVA	H.V. Route Miles	L.V. Route Miles	
Metropolitan	332.4	266,049	1,379.040	79	27.875	33.4	58.6	1,147
Ballarat	443.3	20,656	57.998	76	3,285	67.0	29.0	1,325
East. Metropolitan	951.0	67,753	198.734	126	17,465	64.0	105.3	4,387
Geelong	264.6	27,628	114.797	55	4,300	37.4	25.8	1,097
Gippsland (inc. Yal-								
lourn)	2,685.7	41,829	150.086	276	7,695	174.0	109.3	6,765
Midland	694.0	13,906	31.902	98	1,855	85.0	18.6	1,586
North Eastern (inc.								
Kiewa)	3,060.0	41,431	159.628	313	9,849	217.5	55.0	5,626
North Western	717.6	26,158	62.935	134	26,295	149.5	53.8	3,321
South Western	1,858.0	26,867	72.798	283	7,095	209.4	50.2	4,877
Total	11,006.6	532,277	2,227.918	1,440	105,714	1,037.2	505.6	30,131

# BRANCH TRANSMISSION AND DISTRIBUTION

As the Gippsland railway electrification progressed, 22 kV transmission lines have been erected linking the Railways' traction system to the State network. Conversion of the Rubicon-Seymour line to 66 kV was completed after the close of the year.

A new 10,000 kVA transformer is being installed in the Bendigo Main Substation.

In the year under review, the following larger country extensions were completed or were nearing completion at 30th June, 1955:-

Ballarat Branch — Mt. Egerton, Durham Lead-Grenville-Mt. Mercer. Eastern Metropolitan Branch — Beveridge-Wallan, Mt. Eliza. Geelong Branch — Maude-Moorabool Valley, Lethbridge.

Gippsland Branch -- Nambrok Soldier Settlement, Bass-Woolamai, Drouin South-Ripplebrook, Grantville, Thorpdale South, Hill End-Fumina South, Yarram area and Won Wron, Koornalla, Kardella, Leongatha South, Drouin West, Buffalo North, Modella.

Midland Branch — Eastville, Rockbank, Bealiba.

North Eastern Branch - Numurkah East, Wandiligong, Lima East, North West Mooroopna.

North Western Region - Serpentine, Toolleen, Corop, Leichardt, Kamarooka, Colbinabbin West, Central

South Western Branch — Barwon Downs-Pennyroyal-Murroon, Lismore-Berrybank-Gnarkeet, Mininera area, Branxholme area, Yambuk-Codrington, Merino, Dean Marsh, Kinvonvie · Morgiana Soldier Settlement, Nullawarre.

The following local electricity supply undertakings were acquired following the extension of transmitted supply:-

Beaufort (Ballarat Branch), Boort (North Western Region), Rushworth (North Eastern Branch). The Horsham undertaking was acquired as part of the Wimmera regional scheme.

# TRAMWAYS

# BALLARAT, BENDIGO AND GEELONG

(Revenue — £181,727 Loss — £233,598)

Losses at Ballarat, Bendigo and Geelong during the year were £72,677, £68,318 and £92,603, respectively.

Total revenue (£181,727) decreased by £3,029 (1.6 per cent.); there was a decrease of 0.6 per cent. in the number of passengers carried.

Total expenditure (£415,325) increased by £2,653 (0.6 per cent.).

The Transport Regulation Board held a public hearing on passenger transport facilities at Geelong: subsequently it recommended that the existing tram services at Geelong should be scrapped as soon as a means of providing adequate alternative service could be found and that the alternative transport would best be provided by a modern motor omnibus service so organised as to provide for the maximum convenience and economy over the whole urban area.

A formal notice of intention to abandon the Geelong Tramways was laid before Parliament on 13th September, 1955. This notice provided for these tram services to be abandoned on 2nd January, 1956, or at a subsequent date not more than three months later as may be agreed upon between the Commission and the Board.

# PERSONNEL

Total Personne	l			30/6/55	30/6/54
Staff		 	 *****	6,014	5,617
Wages		 	 	12,172	11,730
				18,186	17,347

Wages employees at 30th June, 1955:-

1.ocation	Operation	Construction
Power Generation	2,024	1,493
Main Transmission Lines, Terminal and Substations	361	599
Electricity Supply — Metropolitan Branch Distribution	374	138
Electricity Supply — Country Branch Distribution	569	803
Briquette Production and Distribution	459	475
Coal Winning — Yallourn	1.097	
General Services — Town and Workshops — Yallourn	1.371	586
General Services — Workshops — elsewhere	1,411	132
Tramways — Ballarat, Bendigo, Geelong	280	
Total	7,946	4,226
GRAND TOTAL:	12,	172

Difficulty has been experienced in obtaining sufficient skilled tradesmen, particularly those in the metal trades. Mr. J. A. P. Gerrard, Industrial Superintendent, visited Great Britain and the Continent and, in collaboration with the Commonwealth migration authorities, arranged for the migration of 320 — mainly skilled tradesmen.

### Education and Training

Six Commission trainees were engaged on full-time studies at the University or Technical Colleges, and 85 were pursuing part-time courses. Five further scholarships (one at the University and four at Technical Schools) were awarded.

Within the Commission, three graduates and 47 cadet engineers are receiving special training; 213 men completed the course at the Training School for Linesmen; there are 593 apprentices, principally in the engineering trades. Special courses are being held for commercial executives, commercial trainees, draftsmen, survey assistants, power station personnel, operators, assistant officers-in-charge of district offices, meter testers and junior commercial officers.

Since the close of the year the Commission has extended its scholarship scheme to provide that up to ten scholarships for engineering courses at the University and ten for diploma courses at Technical Schools may be granted each year, subject to the total number current at any one time not exceeding 42. These scholarships are to be available to University and Technical School students as well as Commission trainees. Also, it was decided to grant a limited number of scholarships to enable Commission engineers to gain experience overseas.

# Safety

Safety and accident prevention measures are being constantly reviewed by Section, Branch and Departmental Committees, special attention being given to safety education. Another 269 personnel qualified under the First Aid training scheme.

# PUBLIC SAFETY AND OTHER REGULATORY RESPONSIBILITIES

# ELECTRIC LIGHT AND POWER ACT, 1928

At the close of the financial year, 58 electricity supply undertakings (36 municipal and 22 owned by companies or persons) were operating in Victoria under the provisions of this Act.

The Governor in Council approved the following Orders in Council authorising supply of electricity:—

Order No.	Undertakers	Area of Supply
283	A. J. Gloster	Township of Underbool (renewal)
285	Wycheproof Shire Council	Wycheproof and Sea Lake areas (renewal)
286	Wycheproof Shire Council	Outer area of the Shire of Wycheproof
287	S. F. Block	Township of Heywood (renewal)
288	Birchip Shire Council	Township of Birchip and along highway to Wycheproof Shire boundary (renewal)
289	Walpeup Shire Council	Township of Walpeup
290	Upper Murray Shire Council	Township of Corryong (renewal)
291	Casterton Electric Supply Co. Pty. Ltd.	Township of Casterton (renewal)

Orders in Council for the supply of electricity by local authorities were revoked following the transfer of the following undertakings to State ownership — Beaufort, Rushworth and Boort.

Extensions (totalling 569 kW) to generating plants at Edenhope, Heywood, Murtoa, Orbost, Quambatook and Underbool were approved.

Inspections were made of 34 electricity supply undertakings in addition to newly installed generating plants and high voltage systems. Complaints of unsatisfactory service were also investigated.

### Licensing of Electrical Mechanics

Licences in force as at 30th June, 1955:— Grade "A" — 4,213; Grade "B1" — 150; Grade "B" — 1,102; Grade "C" — 1,342. Two licensing examinations (including theory and practice) were held.

Special conditional permits were issued — 1,440 for periods not exceeding six months and 622 for periods not exceeding twelve months.

### Registration of Electrical Contractors

Electrolysis Mitigation.

At 30th June, 1955, 1,431 registrations were in force — 102 more than the previous year. Electrical Approvals Board

Under the Board's constitution two of its members retire each year. Mr. E. B. Foster and Mr. A. Renshaw were re-appointed as members of the Board for the ensuing three years as representing the interests of the wholesale electrical traders and the electrical contractors respectively.

It is now 20 years since the inception of the Board and it must receive much of the credit for the fact that in Victoria electrical fatalities have been low compared with other States and overseas. During this period 4,368 articles have been tested and approval given to 3,324; in addition, approximately 4,200 articles were voluntarily submitted to test.

Of the 14 electrical fatalities during the period under review, 9 (including 4 Commission employees) were killed by contact with overhead mains or high voltage equipment, 4 were caused by incorrect connection of flexible cords or alterations to wiring, and there was one case of suicide.

The Electrolysis Technical Sub-Committee continued its work of investigating stray current electrolysis, the connection of new drainage bonds and maintenance of existing bonds.

The Sub-Committee has taken a leading part in the formation of the Australian Association for Corrosion Prevention. One of the main activities of this Association will be the co-ordinating of cathodic protection schemes.

The authority controlling telecasting has been warned of corrosion hazards involved in the use of television receivers employing half-wave rectification.

# COMMISSIONERS

DEATH OF DR. W. D. CHAPMAN, M.C.E., D. ENG., M.I.E. AUST., M.I.C.E., COMMISSIONER, 1945-55

The Commission has placed on record its appreciation of Dr. Chapman's services in the following minute:—

"With great sorrow the Commission records the death on 6th May, 1955, of Dr. W. D. Chapman, M.C.E., D. Eng., M.I.E. Aust., M.I.C.E., who had been a Commissioner since 13th May, 1944.

Dr. Chapman's life was one of public service alike to Commonwealth and State. Military Service in two world wars with the rank, in 1943, of Brigadier, was interspersed with engineering work of a high order with the Railways Construction Branch, Victoria, the University of Melbourne and private industry. Subsequently, he served the Commonwealth as Director of Civil Engineering in the Railways Standardisation Division of the Commonwealth Department of Transport, and latterly as Assistant Superintendent of Design in the Department of Supply.

He played a prominent part in the activities of several of the engineering institutes, and was actively interested in philanthropic and public charitable organisations, notably the Austin Hospital and those associated with the welfare of Returned Servicemen. He brought to the Commission a wide experience through which he was able to make a very valuable contribution to the development of the State's electrical undertaking over the critical post-war years.

In 1949 his services in a full-time capacity were made available by the Commonwealth to enable him to act as Deputy Chairman and Acting Chairman of the Commission for a period of about 3½ months pending an appointment by the Government to fill the post of Chairman. The Commission's appreciation of his services in this regard was recorded in its Minutes of 1st September, 1949.

The Commission acknowledges the singular services of Dr. Chapman alike to Commonwealth, State and the community, and is conscious of a deep sense of loss in the passing of a colleague whose professional ability, counsel and co-operation were of such a high standard and were given so willingly, and whose personal charm and friendliness endeared him to all those with whom he came into contact."

A "Bogong Gum" tree (Eucalyptus chapmaniana, cameron) was planted by the Chairman of the Commission as a memorial to Dr. Chapman, in whose honour it was named, in the Maranoa Gardens, Balwyn, on the 8th September, 1955.

### APPOINTMENT OF NEW COMMISSIONER

The Governor in Council appointed Professor Sir Alexander Fitzgerald, O.B.E., B. Com., F.A.S.A., F.C.I.S., F.C.A.A., as a Commissioner for a period of five years from 19th July, 1955, to fill the vacancy caused by the death of Dr. Chapman.

# STAFF

### Retirements

The Commission records its high appreciation of the services rendered over long periods by the following senior officers:—

- Mr. A. M. Carter, A.A.S.A., Manager, Personnel Department, retired on 7th May, 1955; he joined the Melbourne Electric Supply Co. Ltd. in 1910 and transferred to the Commission when that undertaking was acquired in 1930. Mr. Carter later served as Manager, Commercial Division, Electricity Supply Department, and from 1945 as Manager, Personnel Department.
- Mr. J. R. Wilson, Dip. E.E., A.M.I.E. Aust., Engineering Member, Staff Boards, retired on 24th February, 1955, after 35 years' service with the Commission.
- Mr. H. V. Harrison, Office Manager, Bendigo Branch, retired on 6th August, 1954, after 31 years' service with the Commission.

Senior Appointment

Mr. J. L. N. Cooke, LL.M., was appointed Manager, Personnel Department, as from 9th May, 1955. Mr. Cooke has served as Assistant Manager, Personnel Department, and previously as Assistant Industrial Officer.

The vast programme of new works and the planning, development, operation and administration of the power and fuel projects referred to in this report have made exacting demands on all Commission personnel. Commissioners again with real pleasure place on record their appreciation of the splendid contribution of service so willingly rendered to the community through the efficiency and loyalty of the personnel engaged throughout the many phases of the State's power and fuel undertakings.

\* . \*

We have the honour to be, Sir, your obedient servants —

R. A. HUNT, Chairman.

ANDREW W. FAIRLEY, Commissioner.

A. W. HENDERSON, Commissioner.

A. A. FITZGERALD, Commissioner.

D. H. MUNRO, Secretary.

17th November, 1955.



# PROFIT AND LOSS ACCOUNT,

# BALANCE SHEET AND FINANCIAL STATISTICS

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 Appendix No. 4.—Abstract of Capital, Revenue and Operating Accounts
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# STATE ELECTRICITY COMMISSION OF VICTORIA GENERAL PROFIT AND LOSS ACCOUNT — YEAR ENDED 30th JUNE, 1955

	£ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £	24,838,401 959,766 403,035	1,362,821	11.29,11	551,162	551,162 181,137 590		15,425
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	Electricity Supply— Domestic—General Domestic—Farms Commercia—Industrial—Mining Industrial—Farms Traction Public Lighting Bulk Supplies Bulk Supplies	Briquetting— Briquettes Sales Add—Briquettes on hand at end of year	Deduct—Briquettes on hand at beginning of year	grown Coai	Brown Coal Sales	Tramways- Traffic Receipts Advertising, etc.	General— Miscellaneous Income	
(Adjusted to the nearest £)	6,4R7,545 6,4R7,545 2,708,799 2,708,789 107,397 2,016,357 2,016,357 4,337,774 4,337,774 6,610	27,117,381 999,962 167,711	1,167,673	884,652	484,330	484,330 104,323 433	184,756	
(Adjusted to	7	23,583.769		1,175,176		384,115	415,325	140 300
	1,636,918 15,056,033 3639,775 1,66,394 1,146,394 481,893 1,311,119 291,300	2,562,897 113,304 39,234 56,569 37,334 36,569 3,536 82,344	7,894,919	1,790,799 48,493 18,630 22,420 14,074 595 36,885	1,931,896	367,840 312 2,034 35,284 9,855		
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	Elecation Supply— Turcing Electricity Consequence, Transformation and Distribution Interest Interest Consequence and Sinking Fund Administration and Goveral Expense Employees Facilities and Welfare Expense Accommodation and miscellaneous Services Accommodation and miscellaneous Services	Printecting—  Transfer and Distribution  Invertes Depreciation and Sinking Fund Administration and General Expense Entitle Traition Expense Loan Flotation Expense Acommodation and Missellaneous Services	Deduct-Briquettes transferred to Works	Winning and Discribution  Winning and Discribution  Interess  Administration and Sinking Fund  Administration and General Expense  Emphases Registres and Westere Expense  Loan Flotation Expense  Accommodation and Miscellaneous Services	Deduct—Brown Coal transferred to Works	Power and Traffic Expenses interest in Department of Department of Administration and General Expenses Employee's Facilities and Welfare Expense	General — Miscellangous Expenses	Profit — Carried down
	Kai	at .	-	d.		-	0	0.

The following amounts have been included in the Depreciation provision for Sinking Fund Contributions:—

# STATE ELECTRICITY COMMISSION OF VICTORIA

		192,325,336		12,204,418	979,572,579	218,535,548
	£ (12,029,681 16,247,343 23,0583 47,122,554 1,800,760 19,112,667 113,444,901 10,242,000 31,814,072 40,563,222	337,865	353,268 2,545,998 7,723,684 42,902 19,677 43,799 1,396,350 78,740	4,830,130 333,478 384,258 886,906 337,970 5,331,507 169,730	614,940	
	11111111111111111111111111111111111111	!	111111111		11	
	1111111111	Deduct—Proportion of cost of extensions payable by consumers	111111111	Overburden Removal and Disposal Overburden Removal and Disposal Preliminary Investigations Unallicensed Contract Expenditure Unamocrised Loan Flotation Expense Work in Progress Mork in Progress Work and Other Expenditure on Works under Construction temporarily Capitalised. Miscellaneous Pormerly Interest during Conseruccion on Major Works was permanently added to	1 (	
	1111111111	Produ		uction	11	
	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	Power Power	111111111	Construction	I I	
	75 75 Combustion)	e by cor	(u)	Works under	11	
	ASSETS  (Steam) (Internal Co	payable Product ting pli	d Operati	Works u	11	
		ensions uette genera or Powe	ion and Opt	al re anse re on reson ou		
1955	nd Distribution Thermal Station Hydro Station Action System	t of ext om Brid ler and iority fo	nstruct ir-Gene	Dispossion Expe	Sence Fr	
	on Dis and Dis Thern Thern Hydro mation 3	n of cos red fro with pri	lies (Co	val and gations act Exp Flotations er Exp	Obsolese	
JUNE,	al— ction roducti rorage duction— n System n System	oportion transfer f Morw forwell	Accrush and Supp and	ebits— n Remo n Remo d Contrad Loan rogress ad Oth ed us	nds— ods ods cy and O	
	Fixed Capital— Coal Production Briquette Stroduction Briquette Storage and Distribution Power Production—Thermal Stations Transmission System Terminal Transformation System Transmission	Deduct—Proportion of cost of extensions payable by consumers 3.860,668 transferred from Briquette Production to Power respect of Morwell boiler and generating plant following t develop Morwell with priority for Power Production.	Current and Accrued Assets— Cash Accounts Receivable Materials and Supplies (Construction and Operation) Working Fund Advances Accounts in hands of Agent-General, London Investments Prepayments Accrued Revenues Miscellaneous	Suspense Debits— Overburden Removal and Disposal Preliminary Investigations Mullocated Contract Expenditure Unanocrised Loan Floration Expense Work in Progress * Interests and Other Expenditure Capitalised.  * Miscellaneous * Formerly Interest during Construction	Fixed Capital Expenditure Reserve Funds- Slaking Funds Contingency and Obsolestence Fund	
30th	* Boos Brice Port Train	# £3,8	Currer Cash Acco Mare Worl Acco Inves Prepa Accpa Accpa Accpa Accpa	Suspending Pre-	Sial Co.	
AS AT	1954 10,806,720 19,127,427 22,609 1,769,238 14,311,688 11,262,316 11,262,316 26,929,960 26,929,960 26,929,960 41,020,438	73,593,893 280,454 173,313,439	2,338,046 7,962,159 71,707 71,707 28,959 1,213,079 \$5,736	4,487,405 2,67,183 2,67,183 480,823 2,72,153 2,771,854 1,88,606	495,551	195,215,499
- the	100					
HEE		7,581		4,564	1,904	5,548
(Adjusted to the nearest £)	out.	183,397,581		5,244,564		218,535,548
141	45,639,779 3,895,584 41,744,195* 141,081,404† 571,982	183,397,581	2,270,586 22,759 254,421 131,027 1622,289 306,267 32,315 97,496 229,471	3,265,526 3,66,378	3,321,904 21,608,869 1,921,032 500,000 993,737 1,486,861 26,571,499	218,535,548
BALANCE	45,639,779 3,895,584 41,744,195* [41,081,404] 571,982		-		d	218,535,548
BALANCE	45,639,779 3,895,584 41,744,195* 141,081,404† 571,982		-	3,265,526	21,608,869 1,982,032 500,000 993,737 1,486,861	218,535,548
BALANCE	45,639,779 3,835,584 41,744,195* 2,200,650 141,081,404†		-	3,265,526	21,608,869 1,982,032 500,000 993,737 1,486,861	218,535,548
141	45,639,779 3,835,584 41,744,195* 2,200,650 141,081,404†		-	3,265,526	21,608,869 1,982,032 500,000 993,737 1,486,861	218,535,548
BALANCE	45,639,779 3,835,584 41,744,195* 2,200,650 141,081,404†		-	56,378	21,608,869 1,982,032 500,000 993,737 1,486,861	218,535,548
BALANCE	81LITIES		-	56,378	21,608,869 1,982,032 1,992,030 993,737 1,486,861	2.18,535,548
BALANCE	81LITIES		Accrete 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56,378	21,608,869 1,982,032 500,000 993,737 1,486,861	218,535,548
BALANCE	81LITIES		Accrete 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56,378	21,608,869 1,982,032 500,000 993,737 1,466,861	248,535,548
BALANCE	45,639,779 3,895,584 41,744,195* 2,200,650 141,081,404† e Schedule) 571,982	Of these totals the undermentioned amounts are deemed to have been raised overseas and to be repayable in Stering—30th June, 1954 £6,540,557 and 1964 £6,590,083 £6,540,557 includes the unentioned amounts raised in London and repayable in Stering—30th June, 1954 £795,#20 £795,#20 \$1,241,443	-	563,526 3,265,526	1,608,869 1,982,032 1,982,032 1,486,861	248,535,548

Contingent Assert and Liabilities in respect of securities lodged with the Commission and the Agent-General for Victoria in London as bona fides under Commission contracts were as follows:—

			30th June, 1954	0th June, 1954 30th June, 1955	
	Pounds (Australian) 2,325,305	-	2,325,305	2,148,933	
	Pounds (Sterling)	****	L. 173,724		
	American Dollars		4,996,676		W. J. PRICE, Commercial Manager
VIN TUCK, Chief Accountant	German Deutschmarks	:	5,611		4th November, 1955
	AUDITOR	GEN	AUDITOR-GENERAL'S CERTIFICATE	CATE	

The Accounts of the State Electricity Commission of Victoria have been audited for the year ended 30th June, 1955. In my opinion the above Balance Sheet presents a correct view of the affairs of the undertaking at the 30th June, 1955, and the Profit and Loss Account properly summarizes the pretations of the Commission fof the year.

E. A. PEVERILL, Auditor-General 25th November, 1955

# STATE ELECTRICITY COMMISSION OF VICTORIA SCHEDULE OF FIXED CAPITAL EXPENDITURE AS AT 30th JUNE, 1955 (Adjusted to negrest E)

					(Adjusted	d to nearest £	£)						
		YALLOURN	URN	MORWEL	VELL	ELECTRICITY SUPPLY DEPARTMENT	Y SUPPLY MENT	KIEWA	   •	OTHER AREAS GENERAL	REAS & RAL	TOTAL	
		1954/55 New Expenditure	As at 30/6/55	1954/55 New Expenditure	As at 30/6/55	1954/55 New Expenditure	As at 30/6/55	1954/55 New Expenditure	As at 30/6/55	1954/55 New Expenditure	As at 30/6/55	1954/55 New Expenditure	As at 30/6/55
Coal Production	i	£ 931,406	£ 8,995,414	£ 378,102	£ 3,03 <b>4</b> ,268	ь	ы	ω	ь	ક્ર	ω	309'508'1	£ 12,029,682
Briquette Production	i	106,223	2,570,474	1,003,897	13,676,869							1,110,120	16,247,343
Briquette Storage and Distribution	1		53,551							4,832	177,032	4,832	230,583
Steam Power Stations  Ballarat "B" Geelong "A" Geelong "B" Mildura Newport Redcliffs Richmond Morrwell	77:7:1::::		70 70 50	258,264	4,198,087					228,279 133,869 5,305 172,658 58,191 124,546	3,039,372 293,458 3,682,477 172,297 10,108,951 1,441,545 3,411,531		
Yallourn	1	3,550,335	766'647'07								9,302	4,531,447	47,152,552
Internal Combustion Power Stations Hamilton Horsham Shepparton Warrnambool										505 62,510 34,841 18,732	150,943 61,010 1,050,683 538,125	116,588	1,800,761
Hydro Power Stations Elidon-Rubicon	: :							2 484 4   5	16.493.736	713,896	2,618,931	3,198,311	19,112,667
Transmission Systems		198,165	1,824,722	186,562	265,858			126,572	1,202,054	1,701,158	10,172,327	2,212,457	13,464,961
Terminal Transformation System	:									1,310,268	10,242,000	007'016'1	10,242,000
Distribution Systems		4,086	166'28			958,804 3,832,579	9,730,549 21,995,532					4,795,469	31,814,072
Tramways	:						5,358						5,358
General Workshops, etc	! :	460,429	3,312,273	76	367,751	96,112	1,887,566	28,156	1,329,719	187,86	2,713,948	683,554	9,611,257
Plant and Equipment	: .	55,522	1,693,840	6,308	897,083	379,996	706,046	49,587	1,634,895	901,884	5,878,884	1,393,297	10,810,748
Accommodation — Townships, Hostels, etc.  Miscellaneous Services (Roads, Railways, Sewerage, Electricity, Telephones, Fire Services, etc.)	ricity, efc.)	182,725	2,244,553	549,667	2,664,815	21,764	365,691	305,816	2,047,280	119,145	1,143,584	485,620	8,465,923
		5,820,330	47,717,419	2,423,992	26,236,210	5,289,255	34,690,742	3,097,070	26,544,030	5,699,941	57,474,800	22,330,588	192,663,201
Deduct proportion of cost of extensions payable by consumers	рау- 					53,896	313,882				23,983	53,896	337,865
		5,820,330	47,717,419	2,423,992	26,236,210	5,235,359	34,376,860	3,097,070	26,544,030	5,699,941	57,450,817	22,276,692	192,325,336

STATE ELECTRICITY COMMISSION OF VICTORIA

ABSTRACT OF CAPITAL, REVENUE AND OPERATING ACCOUNTS

				Capital				Vevenue	ane			Operating Expenditure	_	+ Surplus
Year ended 30th June	ed 30th J	June	Capital Expenditure	Loan Liability	Reserves	Electricity Supply	Briquetting	Brown Coal	Tramways	Miscellaneous	Total	including Writings Off, etc.	- I	– Deficit.
1 <b>925</b>		::	£ 7,759,825 9,032,464	£ <b>8,293,765</b> 10,120,794	£ <b>43,936</b> 67,616	£ <b>617,286</b> 713,252	£ <b>40,468</b> 122,379	£ 41,602	<b>4</b> ∷ ∷	<b>ન</b> : :	£ 699,356 855,107	£ <b>963,638</b> 1,125,077		£ 264,282 269,970
1928 1928 1929	: : :	:::	10,742,104 12,762,939 14,530,684	11,849,698 13,567,546 15,126,107	<b>262,942</b> 493,935 833,618	<b>975,362</b> 1,262,787 1,427,751	179,184 192,256 226,186	16,124 10,698 7,858	:::	:::	1,170,670 1,465,741 1,661,795	1,367,324 1,463,868 1,657,181	1++	196,654 1,873 4,614
1930 1931	: : :	:::	16,397,608 18,553,592 19,337,273	<b>16,778,413</b> 19,286,428 19,735,177	1,151,139 1,593,462 2,135,205	1, <b>624,255</b> 2,234,756 2,456,696	<b>264,459</b> 276,930 357,056	9,153 1,116	30,971	1,120	1,897,867 2,544,893 2,849,919	1,892,601 2,562,846 2,846,888	+   +	<b>5,266</b> 17,953 3,031
1933 1934 1935	: : :	:::	19,667,259 19,748,318 20,305,078	19,668,146 19,109,659 19,527,309	<b>2,823,912</b> 3,332,096 3,757,812	<b>2,577,547</b> 2,717,992 2,995,707	<b>313,435</b> 309,936 297,858	: : :	<b>34,180</b> 33,510 77,121	74 74 10,098	2,925,259 3,061,512 3,380,784	<b>2,921,830</b> 3,028,393 3,374,306	+++	<b>3,429</b> 33,119 6,478
1936 1937 1938	: : :	:::	20,866,242 21,638,314 22,698,893	18,806,748 18,682,415 19,242,265	<b>4,380,047</b> 5,008,027 5,672,343	3,164,703 3,339,560 3,539,974	<b>348,650</b> 337,227 394,634	: : :	<b>78,207</b> 76,142 75,567	8,180 7,500 1,008	3,599,740 3,760,429 4,011,183	3,572,012 3,721,528 3,957,354	+++	<b>27,728</b> 38,901 53,829
1939 1940 1941	: : :	:::	<b>24,268,880</b> 25,369,679 26,116,795	19,422,927 20,524,010 20,678,339	<b>6,449,707</b> 7,300,198 8,218,078	3,685,107 3,894,893 4,241,264	<b>377,022</b> 400,125 379,847	: : :	<b>78,664</b> 78,211 89,571	1,099 3,700 13,374	<b>4,141,892</b> 4,376,929 4,724,056	<b>4,020,992</b> 4,250,416 4,563,376	+++	<b>120,900</b> 126,513 160,680
943 944	: : :	:::	<b>26,955,737</b> 28,345,527 29,695,740	<b>20,523,266</b> 20,348,116 20,164,482	<b>9,256,460</b> 10,460,227 11,547,016	<b>4,657,450</b> 4,935,602 5,101,631	<b>330,756</b> 341,631 316,847	12,594 20,542 21,263	109,955 135,900 143,086	<b>42,894</b> 56,413 45,953	<b>5,153,649</b> 5,490,088 5,628,780	<b>5,069,227</b> 5,348,695 5,503,908	+++	<b>84,422</b> 141,393 124,872
1945	:	:	31,297,130	20,997,826	12,902,334	5,259,881	329,428	24,443	146,605	38,804	5,799,161	5,739,953	+	59,208
946	:	:	33,622,088	20,927,313	14,448,315	5,605,333	341,761	25,702	146,503	40,886	6,160,185	6,096,722	+	63,463
. 1947	;	:	36,460,148	23,220,783	15,686,004	5,835,194	321,711	191,767	142,281	32,561	6,399,514	6,310,109	+	89,405
1948	;	:	40,523,149	26,990,075	16,566,022	6,543,089	325,181	102,003	143,878	33,338	7,147,489	7,360,561	+	29,928*
. 646	:	:	47,327,034	33,829,561	17,448,526	8,129,973	300,277	194,995	147,797	32,776	8,805,818	8,879,517	+	29,301†
0561	;		61,358,803	51,270,067	18,200,424	9,446,008	436,862	244,100	171,504	40,183	10,338,657	10,688,025	<u> </u>	249,368‡
1821	;	:	93,096,608	83,647,043	19,308,612	11,524,389	520,052	203,418	175,063	31,576	12,454,498	12,452,638	+	1,860
. 1952	:	:	124,010,685	117,048,987	20,595,756	15,099,864	751,676	295,434	180,697	5,992	16,333,663	16,124,453	+	209,210
. 6561	i	:	150,386,031	139,127,925	22,521,090	19,189,514	932,481	422,031	184,596	7,943	20,736,565	20,393,414	+	343,151
1954	:	 :	173,313,439	164,086,427	24,533,646	22,117,381	884,652	484,330	184,756	098'6	23,680,979	23,321,485	+	359,494
1955	:	:	192,325,336	183,397,581	26 571 400	107 050 70	101	671 173	101	14.	700 101 70	26 422 250	_	250 529

\*After transfers of £243,000 from Reserves.

†After transfers of £103,000 from Reserves.

‡After transfer of £100,000 from Reserves.

## STATE ELECTRICITY COMMISSION OF VICTORIA

# DEBENTURES AND INSCRIBED STOCK — CURRENT AS AT 30th JUNE, 1955

Loans Raised under the Authority of the State Electricity Commission Act No. 4512 and Amendments

		Amount Authorised	Subscribed and Received	Rate	Term	Due	Sinking Fund	Amount Redeemed	Outstanding as at 30th June
Loan No. 9		£ 300,000	£ 300,000	3 · 4375	Years 16	1957	%	£ s. d. 9,000 0 0	£ s.
Loan No. 11		150,000	150,000	3.3125	10	1956		13,487 6 9	136,512 13
Loan No. 12 Loan No. 13		1,350,000 500,000	1,350,000 500,000	3·3125 3·3125	10	1956 1957	!	121,386 0 10 44,957 15 11	1,228,613 1 455,042
Loan No. 14		500,000	500,000	3 · 25	10	1957	· į	44,858 I 8	455,141 18
Loan No. 15 Loan No. 16	• • • •	1,000,000 500,000	1,000,000	3·25	15 15	1962 1962		77,206 18 8 38,603 9 5	922,793 461,396 10
Loan No. 17		500,000	500,000	3·25 3·25	15	1963	į	38,603 9 5	461,396 10
Loan No. 18 Loan No. 19		1,000,000 720,000	1,000,000 720,000	3 · 1875 3 · 1875	10 10	1958 1958	1	77,060 18 2 55,483 17 1	922,939 664,516
Loan No. 20		1,000,000	1,000,000	3 · 1875	- 10	1958	į	77.060 18 2	922,939
Loan No. 21 Loan No. 22	•••	1,000,000	1,000,000	3 · 1875 3 · 1875	10 10	1958 1958	1	64,989 7 5 64,989 7 5	935,010 11 935,010 11
Loan No. 23		000,000,1	1,000,000	3 · 1875	10	1958	i	64,989 7 5	935,010 1
Loan No. 24 Loan No. 25	•••	500,000 1,340,300	500,000 1,340,300	3 · ∤875 3 · 1875	10 12	1958 1961	!	32,494 13 9 34,750 0 0	467,505 1,305,550
Loan No. 26	•••	1,500,000	1,500,000	3 · 1875	10	1959	i	97,484 I 2	1,402,515
Loan No. 27 Loan No. 28	•••	300,000 360,000	300,000 360,000	3 · 1875 3 · 1875	12 12	196! 1961	!	19,496 16 3	280,503 362,000
Loan No. 29		2,334,000	2,334,000	3 · 1875	12	1961	i	92,750 0 0	2,241,250
Loan No. 30 Loan No. 31		2,000,000 500,000	2,000,000 500,000	3 · 1875 3 · 1875	10	1959 1959	ļ.	106,581 9 2 26,645 7 4	1,893,418   473,354
Loan No. 32		1.000.000	1,000,000	3 · 1875	10	1959	<u>i</u> _	53,290 14 7	946,709
Loan No. 33 Loan No. 34		1,250,000 1,000,000	1,250,000	3·25 3·25	12 10	1961 1959	0·5 0·5		1,250,000 1,000,000
Loan No. 35		1,000,000	1,000,000	3 · 1875	10	1959	0.5	26,645 7 4	973,354 1
Loan No. 36 Loan No. 37		400,000 100,000	400,000 100,000	3·25 3·25	15 15	1964 1964	0·5 0·5	10,671 9 4	389,328 I 100,000
Loan No. 38	•••	1,000,000	1,000,000	3 - 1875	10	1959	0.5	26,645 7 4	973,354
Loan No. 39 Loan No. 40	•••	1,000,000	1,000,000 2,488,800	3 · 1875 3 · 25	10 15	1960 1965	0·5 0·5	26,645 7 4 52,850 0 0	973,354 ! 2,435,950
Loan No. 41		2,488,800 1,000,000	1,000,000	3 · 1875	10	1960	0.5	52,850 0 0 26,645 7 4	2,435,950 973,354 I
Loan No. 42		1,500,000	1,500,000	3·3125 3·3125	[2	1962	0.5		1,500,000
Loan No. 43 Loan No. 44	•••	1,000,000 193,000	1,000.000	3.3125	15 15	1965 1965	0·5 0·5		1,000,000
Loan No. 45	• • • •	220,000	220,000 550,000	3·1875 3·3125	10	1960	0·5 0·5	5,861 19 8	214,138
Loan No. 47 Loan No. 48	•••	550,000 500,000	500,000	3.3125	12 12	1962 1962	C · 5		500,000
Loan No. 49	•••	500,000	500,000	3·1875 3·25	ļo	1960	0.5	13,322 13 8	486,677
Loan No. 50 Loan No. 51		3,106,050 500,000	3,106,050 500,000	3 · 1875	15 10	1965 1960	0·5 0·5	61,900 0 0 10,488 7 4	3,044,150 489,511 I
Loan No. 52	• • • •	500,000	500,000	3·3125 3·37 <b>5</b>	15	1965	0.5	10,507 18 9	489,492
Loan No. 53 Loan No. 54		500,000 1,800,000	500,000 1,800,000	3.375	15 15	1965 1965	0·5 0·5		500,000
Loan No. 55		500,000	500,000	3 - 375	12	1962	0-5		500,000
Loan No. 56 Loan No. 57		250,000 500,000	250,000 500,000	3 · 375 3 · 375	19/20 14	1969/70 1964	0·5 0·5	•••	250,000 590,000
Loan No. 58		1,300,000	1,300,000	3 · 375	12	1962	0.5		1,300,000
Loan No. 59 Loan No. 60	•••	500,000 1,000,000	500,000 1,000,000	3·375 3·375	14 12	1964 1962	0·5 0·5		500,000
Loan No. 61		1,000,000	1,000,000	3 · 375	12	1962	0.5		1,000,000
Loan No. 62 Loan No. 64		500,000 500,000	500,000 500,000	3 · 375 3 · 375	12 12	: 1962 1962	0·5 0·5		500,000 500,000
Loan No. 65		800,000	800,000	3 · 325	12	1962	0.5		800,000
Loan No. 67 Loan No. 68		250,000 6,000,000	250 000 5,998,450	3 · 375 3 · 375	12 12	1962 1963	0·5 0·5	100,950 0 0	250,000 5,897,500
Loan No. 70		250,000	250,000	3 · 375	12	1962	0.5		250,000
Loan No. 71 Loan No. 72		500,000 250,000	500,000 250,000	3 · 375 3 · 375	12 12	1962 1962	0·5 0·5	•••	500,000 250,000
Loan No. 73		500,000	500,000	3 · 5	12	1963	0.5		500,000
Loan No. 74 Loan No. 75	•••	2,000,000 500,000	2,000,000 500,000	3·5 3·5	10 12	1961	0·5 0·5		2,000,000 500,000
Loan No. 76		1,000,000	1,000,000	3.375	iõ	1961	0.5	21,035 9 4	978,964 l
Loan No. 77 Loan No. 78		100,000 350,000	100.000 350.000	3·5 3·5	12 10	1963	0·5 0·5	2,107 9 5 7,376 3 I	97,892 T 342,623 T
Loan No. 79		200,000	200,000	3⋅5	10	1961	0.5	7,376 3 1	200,000
Loan No. 81		100,000	100,000 200,000	3·5 3·5	10	1961 1961	0·5 0·5	•••	100,000
Loan No. 82 Loan No. 83		200,000 1,500,000	1,500,000	3 · 5	10 10	1961	0.5	31,612 I 4	1,468,387
Loan No. 84	•••	150,000	1,500,000 150,000 5,993,700 25,000	3·5 3·5	10	1961	0·5 0·5	81,050 0 0	150,000
Loan No. 85 Loan No. 86		25,000	25,000	3.5	10	1961	0.5	526 17 5	24,473
Loan No. 87	•••	118,850	118,850 2,000,000	3·5 3·5	12	1963	0 · 5	2,504 14 7 36,892 0 11	116,345
Loan No. 88 Loan No. 89		2,000,000 100,000	. 100.000	4.125	5 12	1956 1963	0·5 0·5	1,562 14 6	1,963,107 l 98,437
Loan No. 90		100,000 100,000 1,000,000 4,930,000 1,000,000 7,712,050 250,000 1,000,000 1,000,000 150,000	100,000	4·125 4·0	12	1963	0.5	1,562 14 6	98 437
Loan No. 91 Loan No. 92		1,000,000 4,930.000	4.929.800	4-125	10 10	1961 1 <b>9</b> 61	0·5 0·5	15,608 0 0 65,900 0 0	984,392 4,863,900 984,372 1 7,632,450
Loan No. 93	•••	1,000,000	1,000,000	4 · 125	10	1962	0.5	15,627 5 2	984,372
Loan No. 94/99 Loan No. 95		250,000	7,711,150 250,000	4·125 4·125	10 10	1962 1962	0·5 0·5	78,700 0 0 3,906 16 3	
Loan No. 96	•••	1,000,000	1,000,000	4·125 4·125	10	1962	0.5	15,627 5 2	984,372 I
Loan No. 97 Loan No. 98		1,000,200	1,000,000	3 - 625	10	1962 1962	0·5 0·5	15,795 0 10	984,372 I 984,204 I 150,000
Loan No. 102		2,403,450	2,401,250	4·5 4·75	10	1962	0 · 5	20,600 0 0	2,380,650
Loan No. 104 Loan No. 111		2,403,450 2,250,000 2,250,000	2,249,700 2,249,850	4.75	10.5 7/12	1963 19 <b>60</b> /65	0·5 0·5	17,300 0 0 12,950 0 0	2,380,650 2,232,400 2,236,900
Loan No. 117	• • • •	100,000	100,000	4.875	25 7	1978	0.5		100,000
Loan No. 118 Loan No. 119	•••	1,000,000	1,000,000	4.875 4·75 4·75	7 H	1978 1960 1964	0·5 0·5	10,237 10 0	989,762   100.000
Loan No. 120		2,119,200	2,119,200	4.75	7/12	1960/65	0.5	12,400 0 0	2,106,800
Loan No. 122 Loan No. 124	•••	2,250,000 100,000 1,000,000 100,000 2,119,200 500,000 100,000 2,000,000 2,000,000 2,660,000 100,000 250,000	500,000	4·875 4·875	10	1963 1965	0·5 0·5	***	100,000 989,762 1 100,000 2,106,800 500,000 100,000 2,968,885 1,990,000 50,000 2,589,050 100,000 250,000 995,000
Loan No. 126		3,000,000	3,000,000	4.875	15	1968	0.5	31,114 16 1	2,968,885
Loan No. 127	•••	2,000,000	2,000,000	4·75 4·875	7 25	1960 1978	0·5 0·5	10,000 0 0	1,990,000 50.000
Loan No. 128 Loan No. 130		2,6(0,000	2,600,000	4-75	7/15/25	1960/68/78	0.5	10,950 0 0	2,589,050
Loan No. 131		100,000	100,000	4 · 875 4 · 875	11	1964 1978	0.5		100,000
Loan No. 132 Loan No. 133	•••	1,000,000	1,000,000	4.75	25 7	1960	0·5 0·5	5,000 0 0	250,000 995,000
Loan No. 134	• • • •	4,250,000 1,700,000	4,246,150	4·75 4·75	10/15	1963/68 1958/66	0.5	9,600 0 0	
Loan No. 135 Loan No. 136		1,700,000 1,000,000	100,000 1,000,000 4,929,800 1,000,000 7,711,150 250,000 1,000,000 1,000,000 1,000,000 2,401,250 2,249,700 2,249,700 2,249,850 100,000 100,000 2,119,200 500,000 100,000 2,000,000 2,000,000 2,000,000 2,000,000	4·5/4·75 4·875	5/7/12 15	1958/66 1969	0·5 0·5	1,700 0 0 5,060 18 9	1,648,970 994,939
oan No 137		100,000 250,000	100,000	4·875 4·875	15 10	1968 1963	0.5	•••	100,000
oan No. 138			250 000	4.U7E			0.5		250,000

# STATE ELECTRICITY COMMISSION OF VICTORIA DEBENTURES AND INSCRIBED STOCK — CURRENT AS AT 30th JUNE, 1955

Loan No.	Amount Authorised	Amount Subscribed and Received	Rate	Term	Du∎	Sinking Fund	Amount Redeemed	Outstanding as at 30th June
Brought Forward	£ 113,67 <b>0,</b> 700	£ 113,605,920	%	Years		%	£ s. d. 2,173,611 16 0	£ s. d 111,432,308 4
Loan No. 139	75,000	75,000	4.875	25	1979	0.5		75,000 0
Loan No. 141	1,000,000	1,000,000	4-75	7	1961	0.5	5,000 0 0	995,000 0
Loan No. 142	5,000,000	4,996,500	4.75	10/20	1964/74	0.5	8,000 0 0	4,988,500 0
Loan No. 143	500,000	500,000	4.875	ίO	1964	0.5	•••	500,000 0
Loan No. 144	1,000,000	1,000,000	4.875	15	1969	0.5	5,060 18 9	994,939
Loan No. 146	50,000	50,000	4.875	25	1979	0.5		50.000 0
Loan No. 147	250,000	250,000	4.875	10	1964	0.5		250,000 0
Loan No. 148	150,000	150,000	4.875	25 10 25 25	1979	0.5		150,000 0
Loan No. 149	100,000	100,000	4.875	25	1979	0.5		100,000 0
Loan No. 150	1,000,000	1,000,000	4.75	7	1961	0.5	5,000 0 0	995,000 0
Loan No. 151	100,000	100,000	4.875	20	1974	0.5		100,000 0
Loan No. 152	75,000	75,000	4.875	10	1964	0.5		75,000 0
Loan No. 153	250,000	250,000	4.875	io	1964	Ŏ·5	1	250,000 0
Loan No. 154	795,420	795,420	4.375	i ž	1966	0.5	3.977 2 0	791,442 18
Loan No 155	500,000	500,000	4.875	25	1979	0.5		500,000 0
Loan No. 156	500,000	500,000	4.875	25 25	1979	0.5		500,000 0
Loan No. 158	250,000	250,000	4.875	10	1964	0.5		250,000 0
lean No. 150	250,000	250,000	4.875	20	1974	0.5		250,000 0
NI. 170	3,000,000	2,999,700	4.75	10/20	1964/74	0.5	•••	2,999,700 0
l N- 161	2,500,000	2,500,000	4.75	7	1961	0.5	•••	2,500,000 0
Lone No. 162	50,000	50,000	4.875	ΙÓ	1964	0.5	•••	50,000 0
L No. 1/3	500,000	500,000	4.875	25	1979	0.5	•••	500,000 0
Lana Nia 144	100,000	100,000	4.875	15	1969	0.5	•••	100,000 0
L 146	3,750,000	3,749,900	4.75	10/20	1964/74	0.5	•••	3.749.900 0
L NI- 122		880,000	4.75	10/20	1965	0.5	•••	880,000 0
L NI- 147	880,000	150,000	4 875	20	1974	0.5	•••	150,000 0
L N 140	150,000	2,499,950	4.75	10/20	1965/75	0.5	•••	2,499,950 0
L NI- 140	2,500,000		4.875	20	1974	0.5	•••	150,000 0
Loan No. 169	150,000	150,000 750,000	4.75	7	1962	0.5		750,000 0
Loan No. 170	750,000		4.375	12	1967	0·5	•••	
Loan No. 17!	450,000	450,000			1970	0·5	•••	450,000 0 150,000 0
Loan No. 172	150,000	150,000	4.875	15 7			• •••	
Loan No. 173	500,000	500,000	4.75		1962	0.5	: •••	500,000 0
Loan No. 174	1,750,000	1,728,664	4.75	10/20	1965/75	0.5	•••	1,728,664 0
Loan No. 175	500,000	376,000	4.875	25	1980	0.2	•••	376,000 0
Loan No. 176	100,000	100,000	4.875	20	1975	0's		100,000 0
Loan No. 177	200,000	200,000	4.75	7	1962	0.2		200,000 0
]	£143,496,120	£143,282,054					£2,200,649 16 9	£141,081,404 3

# Issued by Undertakings Acquired by the State Electricity Commission of Victoria

Original Issues ... ... ... £833,400 0 0
Outstanding at Dates of Acquisitions ... ... £634,669112 11
Outstanding at 30th June, 1955 ... ... ... £571,982 4 0

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43,280, 00.2	47,400 93.4	Ap	pe	nd	ix	No	0.	6	11,900 11 0	Ge (a) (b	nei	Loa	ion ad	Fa	f I	Electric by	ctri y	S.I	y — E.C.	S.J Po	E.C.	Pow	ver S	3	ons	Manual Comment of the		Not	4
7.000	103-4 47,400 53-4	Ар	ре	nd	ix	No No	0.	6 7 8	0 01 000 11 5-10	Ge (a) (b)	nei	Loa	ion ad el	Fa Us	f I cto	electric by	y !	S.I S.E	y—E.C.	S.J Po Po Bo	E.C. ower wer	Pow Stat Stat	ver Stions	3	ons	MACAN CANADA CAN		Not	4
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7 00 700 70 700 700 700 700 700 700 700	+ 62 009-CF + CO1 000-CF + CCC	Ap	pe	nd nd	ix	No No	0.	6. 7. oca,n 8.	1 0 0 1 1 1 1 1 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ge (a) (b) Ca)	nement) I	Los	ion ad el	Fast Us	f I cto	by by	etri y :	S.I.	y == E.C.	S.I. Po	E.C.	Pow Star Star Star	ver S tions ions talle	3	ons Destings	WORK WAS STORY WINDS STORY WAS STORY WAS		Not	4
7,000	+ 62 009-CF + CO1 000-CF + CCC	Ap	pe	nd nd	ix	No No	0. 0.085,11 O. 18.04 T. 44	6 7 8 8	0 ht   000 11 51-10 wates 0-44 marks	Ge (a) (b) Caj	pac	Los	ion ad el	Fa Us	f I cto	by by	y .	S.E	E.C.	S.J. Po Po Bo	E.C. ower wer vilers	Pow Star Star Star	ver S tions ions talle	3	ons	Spiral started water secure feating secure framework started secure		Not	4
75.77	102-0 11 m2 110-4 1100 103-4 47,400 53-4	Ap Ap	ppe	nd nd nd nd nd nd	ix ix ix	No.	O. 0.085,11 10. MAAL LAN SHARL N. 17	6. 7. 8. 8. But Hill Hill Hill	0 to 000 11 to 000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ge (a) (b) Caj	nea ) I ) pac	Los	ion id el	Fa Us	f I cto	by by	y	S.I S.E rs	E.C.	S.I. Po	E.C.	Pow Star Star Star	ver Stions ions talle	3	ons boulder a second se	WORN WINDS WALL BOARD WATER WATER WATER WATER WATER WATER		Not	4
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10,000 207,000 146.5	1 1233 3 30/400 302-0 1 40 310 4 210 4 103-4 4/400 33-4	Ap Ap Ap Ap	ppe ppe	nd nd 1000,11 and 100,00 and 100,00 and 100,000 and 10	ix ix ix	N. N. N. S.	0. 0.087,11 1.00 man tan man t	6 7 8 8 8	OH 1000 1 10 000 1 000 100 100 100 100 10	Ge (a) (b) Caj	pace	Lose	ion ad el	Faculty f (	f I cto	by	y	S.I S.E rs	E.C.	S.J. Po	E.C.	Pow Stat Stat s Ins	ver Stions tions talle	3	ons bottoms with the same of t	COUNTY COUNTY STORY OF STORY OF STORY WINDS STORY WINDS STORY WINDS		Not	4
200 000 1240 a 201 000 000 1	3 543'000 (1222') 30,000 303'0 11 ab 113"4 1310 103"4 13'400 73"4	AP AP AP AP APP APP APP APP APP APP APP	pe p	1 187,000 MG- 3C100 19-8 12,000 mm a 18 mm m m m m m m m m m m m m m m m m m	ix ix occasi	N Note: N and an and an and other a	0.1 0.005,11 16: HALL TAL SMALL 1-75 STALL 0-751 0-752 0-75	6. 7.000,11 8. MARC 1-18 TEST R. 18 TEST 1-18	1 10001 114 1170 1170 1170 1170 1170 117	Ge (a) (b) Ca)	pac	Los	ion ad el vio	Facults f. (	f I cto	by	ctri y ato	S.I.S.E	E.C.	S.J. Po	E.C.	Pow Stat Stat s Ins	ver Stions tions talle	3	ons bellings and b	STATE OF THE PARTY		Not	4

STATE ELECTRICITY COMMISSION OF VICTORIA

# GENERATION OF ELECTRICITY

		Total	kWh (millions)		101 ·8 188·7	284·2 378·8 422·3	461.2 458.3 504.9	549·7 590·0 620·1	716.1	7-69-7	836.1	897.8	1,024.2	1,155-1	1,330.5	1,455-4	1,475.6	1,502.3	1,594.6	1,904.4	2,148.0	2,362.8	2,605.5	2,791.7	3,020.4	3,502.4	3,970-4
tations		liffs rsham	M.D.kW summated	acquired 46 cquired .53 mmenced	acquired 55	:::	:::	:::	: :	:	:	:	į	:	i	:	:	:	: 00		1,290	1,382	1,488	1,580	008'1	12,800	13,720
Other Stations	Σ	Redcliffs and Horsham	kWh (millions)	Hamilton acquired 1.7.46 Mildura acquired 1.10.53 Redcliffs commenced	operation 16.1.54 Horsham acquired 1.6.55	:::	:::	:::	: :	:	:	:	:	÷	:	:	::	:	2.8	3.6	4.5	5.5	5.8	9.9	7.0	29.2	35.5
		anected	M.D.kW Coincident		40,500	7 <b>6,000</b> 87,500 95,500	103,160 109,013 116,959	123,404 127,621 141,993	158,862	173,300	181,847	000'861	218,600	261,820	297,696	319,300	328,000	351,600	364,750	449,500	436,930	504,090	497,370	533,370	602,310	701,650	836,020
	2	Interconnected System	kWh (millions)		101 · 8 188 · 7	284·2 378·8 422·3	461.2 458.3 504.9	<b>549·7</b> 590·0 620·1	116.1	7.69.7	836-1	897.8	1,024·2	1,155.1	1,330.5	1,455-4	1,475.6	1,502-3	1,594.6	1,900	2,143.5	2,357.6	2,599.7	2,785-1	3,013-4	3,473·2	3,934.9
		5	M.D.kW	tion Treed	::	:::	:::	:::		:	:	÷	:	:	:	:	:	24,000	26,700	26,400	28,000	28,500	28,000	28,000	28,000	28,000	000,19
		Kiewa	kWh (millions)	Operation commenced 1.9.44		:::	:::	:::	: :	:	:	:	:	:	;	:	:	7.8.7	5-19	68.3	‡ •	46.8	48.2	65.8	2.99	62.3	8 ∙ 1.1
		ubicon	M.D.kW	tion nced 28	::	11,500	19,300 23,100 23,400	23,400 22,800 25,300	25,400	25,490	25,090	24,300	25,400	20,800	25,600	26,100	25,700	25,500	25.850	25,850	25,550	26,050	26,050	26,150	25,950	26,950	31,250
		Eildon-Rubicon	kWh (millions)	Operation commenced 14.3.28	::	:4.59 8.6	77.9 120.9	101.0	134.7	4:	85.6	103.2	149.5	8.76	133-4	156·2	4.06	- 6	24.7	8.191	139.1	129.2	146.0	9.091	168.2	92.6	. <del>1</del>
	*	ton, nbool nilton	M.D.kW summated	mmenced n 7.3.51 ol 7.4.52 onnected	::		:::	:::	: :		 :	:	:	:	:	:	:	:	; ;	:	:	:	1,663	4,083	12,000	15,230	17,240
		Shepparton, Warrnambool and Hamilton	kWh (millions)	Operation commenced Shepparron 7.3.51 Warnambool 7.4.52 Hamilton connected to State system from	3.2.5	·	:::	:::	:	:	:	:	:	:	:	:	:	:	: :	:	:	:	8.0	5:4	12.3	30.2	34.6
	Regional Stations	, 8 8 t	M.D.kW summated		::	:::	:::	3,711	3,825	3,750	3,797	2,716	2,988	3,820	4,140	2,960	0,400	5,000	5,150	5,650	5,850	9,000	6,100	2,900	6,000	29,600	31,850
ed System	Region	Ballarat "A" & "B"†	kWh (millions)	'A" Station acquired	· ' i i				13.2	12.5	0.01	4.	9:11	F÷3	4· •	15.0	8.07	6.8	0.8	8.8	8.8	15.6	16.7	16.7	22-5	53.4	89.2
Interconnect		.B.	M.D.kW summated		1:	. :::	5,570 <b>6,510</b>	<b>6,560</b> 6,690 6,980	7,930	7,930	8,620	9,230	7,710	10,050	10,600	008'11	12,200	11,200	006'11	11,750	008,11	056,11	11,400	12,100	12,000	47,400	47,200
Inte		Geelong "A"	kWh (millions) s	"A" Station acquired 1.9.30	11	111	26:52	27 · 1 29:5 30:8	¥.	32.1	34.4	38.0	31.5	21.7	30.7	34.3	, i	89	26.9	33.	32.9	28.6	9.06	45.8	1.94	9- £01	182 · 0
	Street		M.D.kW	erated State from	::	:::	::::	:::	:	:	:	:	:	26,000	35,000	33,000	0000	35,070	29,820	34,500	35,220	41,910	38,700	39,450	35,400	73,000	83,000
	Spencer	(Melbourne City Council)	kWh (millions)	Station operated as part of State system from 1.1.41	::	:::	:::	:::	:	:	:	:	:	0.91	<u>‡</u>	55.4	9 1	59.3	51.5	€ • 99	74.0	105.4	9.501	94.2	93.6	212.4	306.6
		puo	M.D.kW	cquired ditioned. ted	i :		16,200 15,520 15,000	15,360 15,120 15,500	15,100	15,400	15,300	15,200	15,400	15,360	15,540	15,600	200	15,530	15,520	15,400	15,600	15,600	15,000	14,800	52,000	51,900	52,000
		Richmond	kWh (millions)	Station acquired and reconditioned. Restarted 6.5.29	::	: :e š·	21 · 9 26 · 6 25 · 7	22:5 22:6 56:5	29.8	25·3	24.2	26.7	16.2	21.2	35.2	38.6		33.1	23.5	29.6	79·1	36.6	19.5	28.7	72.2	202 · 0	175-2
		trod	M.D.kW	tion naced (23 t "A" 21.1.51	15,800	19,800 20,800 20,000	21,000 19,800 18,800	18,500 18,200	19,300	19,000	18,600	19,600	35,000	45,300	54,800	63,000	200	93.500	88,000	134,000	138,000	175,000	242,800	249,400	305,000	304,400	303,000
		Newport	kWh (millions)	Operation commenced 12.10.23 Newport "A" acquired 21.1.51	53.4	54.3 49.0	3.86 9.8 4.8	2.8 7.6 54.0	16.7	27.2	27.1	23.9	39.3	<del>2</del> 6	45.2	45.8	3 8	6:98	9.181	299.0	513.6	717-8	990.5	1,085 · 5	1,205.2	1,322.7	1,249.9
		•	M.D.kW	trlon inced 24	29,000 37,500	61,000 68,500 64,000	62,500 63,000 80,000	88,500 95,000 94,000	107,500	122,500	140,500	136,500	000'891	171,500	187,500	000,981	000	190,500	185,000	195,500	194,000	186,500	187,000	000*961	202,500	243,000	260,000
		Yallourn	kWh (millions)	Operation commenced 15.6.24	48.4	238·8 319·7 304·5	320·1	386·2 429·3 310·8	487.6	531.2	654.8	9.969	1.9//	939.5	1,027 - 3	- 01 -	13.5	1.136.7	9.081,1	1,223.9	1,291.6	1,287 · 6	1,241 · 8	1,282.4	1,326.6		1.899.1
		Station	Year		1924-25 1925-26	1926-27 1927-28 1928-29	1929-30 1930-31 1931-32	1932-33 1933-34 1934-35	1935-36	1936-37	1937–38	1938-39	1939-40	1940-41	1941-42	1942-43	10.44	35.54	1946-47	1947-48	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954–55

\*Including electricity transferred from Briquette Factory. †Including Bendigo, acquired 1/7/34, closed down 31/12/37

Generated during 1954/55 by Local Authorities at Country Centres not served by State system : 45.5 million kWh

# STATE ELECTRICITY COMMISSION OF VICTORIA (a) LOAD FACTORS AT POWER STATIONS

9	
ģ	
Appendix	
<mark>Б</mark>	
Based	

Fig. 10   Fig.		-					יין	O ONI VIDIGATION INC. O						
Column   C					_		INCE	erconnected 5)	rstem					Other Stations
1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975   1975			Yallourn				,	Reg	ional Stations					Mildura,
19   19   19   19   19   19   19   19	Year Ended 30th Jun		rom Briquette Factory)	Newport	Richm		Spencer St. elbourne City Council)	Geelong "A" and "B"	Ballarat "A" and "B"		Elldon- Rubicon	Kiewa	Total Interconnected System	Redcliffs and Horsham
19   19   19   19   19   19   19   19			%	%:	0/0		0/0	%	%	0/0	%	%	%	%
1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5		:	1.61	38.6	:		:	:	:	:	:	:	28.7	:
State   Stat	::	: :	*37.7	27.6	5. ₹	4.0	:::	50:4		; ;		::	51.0	<u>.</u> ;;;
The control of the	::	::	52·6 69·2	12·8 11·7	12.	0 9	19:3	46·5 39·5	<b>44</b> :2	::	67.0	10:7	53 8.83	::
Second at Yellound		::::::	78.8 75.8 74.5 74.5 73.2	66.6 8.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6	₹4.45.4 <b>%</b>	N. 00 - 0 4 N	28 7 31 - 2 30 - 2 33 - 2 47 - 3	27.3 30.6 43.1 243.9 44.0	29.7 31.3 32.2 42.8 20.5	5.5 15.1 11.7 22.6	56.6 69.9 74.0 39.2 21.7	18.7 26.8 27.2 25.4 4.5	53.4 59.7 57.1 57.1	444 44.44 5.00 6.00
Page of Face   18545   18545   18544   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18546   18545   18545   18545   18545   18545   18545   18545   18546   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545   18545	ä	allourn.			9		SED		_   ``	1	(S)		3	6.47
Properties   Pro	Station	Type		_	1953-54	1952-53	195		5	양	1948-49	1947-48	1946-47	1945-46
Brown Cast   734,468   744,469   744,472   712,884   721,884   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,488   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,489   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   721,499   7	allourn	Brown Briguet Oil	<u> </u>   : :	<u> </u>	4,380,080 13,061 397	4,203,197		<u> </u>		1,075,675	4,035,535 6,421	3,766,828 6,155	3,666,105	3,517,235
Prignettes   30,563   29,662   25,103   32,695   23,180   30,564   29,783   32,313   27,248   27,248   25,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739   15,739		Brown Briquet Black COil	Coal tes oal	1,468 1,442 5,836 3,306	742,472 253,352 259,640 26,303	722,884 217,028 220,935 38,498		· 	8,148 2,066 3,001 5,359	332,676 273,034 46,173 18,551	94,155 279,956 62,569 2,266	315 232,439 5,669	290 153,8 <b>82</b> 736 10	103,981
reet         Brown Coal         22,225         41,547         60,384         65,935         69,261         71,610         49,475         4,411         34,689           City Council Briquettes         8,794         8,706         1,223         1,5         6008         71,610         49,475         4,411         34,689           City Council Briquettes         8,794         8,707         1,223         1,5         60,086         12,1         1,142         1,125           Oil Coll Coll Coll Coll Coll Coll Coll Co	chmond	Briquet Oil Coke		0,563 4,613	29,662 51,740	25,103 15,739 154			3,180	30,564	29,783	32,313	27,248	36,169
A** and "B" Brown Coal Briguettes         219,164 bigs         106,955 bigs         7,378 biguettes         66,906 bigs         11,336 biguettes         33,407 bigs         35,321 bigs         30,169 bigs           A** and "B" Brown Coal Briguettes         18,731 bigs         77,318 biggettes         15,747 bigs         19,747 bigs         18,135 biggettes         22,772 bigs         21,791 bigs           A** and "B" Brown Coal Biggettes         11,161 bigs         18,531 bigs         25,144 bigs         19,747 bigs         18,135 bigs         21,791 bigs           A** and "B" Brown Coal Biggettes         4,952 bigs         2,099 bigs         1,173 bigs         1,777 bigs         1,777 bigs         1,731 bigs         1,731 bigs           A** Oil Oil Briquettes         4,922 bigs         1,650 bigs         1,565 bigs         1,317 bigs         1,337 bigs         1,389 bigs         1,033 bigs           A** Oil Briquettes         26,292 bigs         8,434 bigs         bigs <td< td=""><td>encer Street lelbourne City Counc</td><td></td><td></td><td>2,225 3,994 1,484 3,365</td><td>41,547 8,706 37,017 52,113</td><td>60,364 1,223 19 40,088</td><td>65,93</td><td></td><td>9,261 6,008 23 7,828</td><td>71,610 221 18 42,014</td><td> 49,475 276 17 17</td><td>41,411</td><td>113 34,069 1,125 23,817</td><td>564 12,770 14,940 35.138</td></td<>	encer Street lelbourne City Counc			2,225 3,994 1,484 3,365	41,547 8,706 37,017 52,113	60,364 1,223 19 40,088	65,93		9,261 6,008 23 7,828	71,610 221 18 42,014	49,475 276 17 17	41,411	113 34,069 1,125 23,817	564 12,770 14,940 35.138
A <sup>1</sup> and "B" Brown Coal         38,085         77,318         25,144         19,628         19,747         18,135         22,772         22,845         21,791           1         11,161         18,531         25,144         19,628         19,747         18,135         22,772         22,845         21,791           1         26,942         1,386          1,173         1,77             1          1,728         1,448         829         100	elong "A" and "B"			3,164	106,955	7,378			1,356	31.093	35.407	35,321	30,169	33.828
nool         1,728         1,448         829         1,173         1,779         1,486         829         100            mool         1,737         1,799         1,650         1,565         1,317         1,132         975         812           m         Briquettes         4,828         14,284 <t< td=""><td></td><td></td><td>::</td><td>3,085 1,161 3,942</td><td>77,318 18,531 1,386</td><td>25,144</td><td></td><td></td><td>9,747</td><td>18,135</td><td>22,772</td><td>22,845</td><td>21,791</td><td>7.72,61</td></t<>			::	3,085 1,161 3,942	77,318 18,531 1,386	25,144			9,747	18,135	22,772	22,845	21,791	7.72,61
nool      0il      1,728     1,448     829     100          1,737     1,799     1,650     1,565     1,317     1,132     975     812	epparton			1,952	5,975	2,099	1,17	ъ 	171	÷	:	:	:	: :
1,737     1,799     1,650     1,565     1,317     1,132     975     812	:	ō		1,728	1,448	829		: 		:	:	;	;	:
Briquettes 4,828 14,284	amilton†	io	-i -i	1,737		1,650			1,317	1,132	975	812 1,289	623	: :
Briquettes 26,292 8,434		Briqueti Oil	: :	4,828 7	14,284	: :	::			: :	: :	: :	:	: :
:	+-	Briqueti Oil	::	5,292 25	8,434	: :	: :			:	:	: :	: :	: :
	:	Oil	:	801	:	:	:				:	:	:	:

## STATE ELECTRICITY COMMISSION OF VICTORIA

## STATE GENERATING SYSTEM

(a)	TOTAL INSTALLED PLANT CAPACITY				kW
	(i) Interconnected System				
	Maximum continuous rating of plant installed at	30/6/5	5		898,295
	Add—Available from Yallourn Briquette Factory	•••		• • • • • • • • • • • • • • • • • • • •	 8,000
	Total				 906,295
	(ii) Not connected to State System				
	Maximum continuous rating of plant installed a	t 30/6/5	5		19,264

Note — At Yallourn, Newport, Spencer Street, Richmond, and Mildura Stations, generators could not be used to full capacity because of limitations on boiler capacity.

### (b) GENERATORS INSTALLED AT POWER STATIONS

(i) Interconnected System

	r S <b>ta</b> tio	on		Set No.	Make	Maximum Continuous Rating	Voltage	R.P.M.	Year Installed
llourn				1	Metropolitan Vickers	kW 12,500	11,000	3,000	1924
				2	» » ···	12,500	11,000	3,000	1924
				3	» » ···	12,500	11,000	3,000	1924
				2	<b>*</b> • ···	12,500	11,000	3,000	1924
				5 6	* *	12,500 12,500	000,11 11,000:	3,000 3,000	1925 1928
				7	* * ···	25,000	11,000	3,000	1932
				8		25,000	11,000	3,000	1935
				.9	, , , , , , , , , , , , , , , , , , ,	25,000	11,000	3,000	1938
				10	D	25,000	11,000	3,000	1938
				CI CX	Parsons	50,000 50,000	11,000	3,000 3,000	1955 1954
wport				ĂĨ*	Parsons	12.500	3,300	1,500	1918
		•••		A2*	" " "	30,000	20,000	1,500	1951
				A3*	» ··· ··· ···	14,000	3,300	1,500	1922
			i	A4*	" ··· ··· ···	30,000	20,600	1,500	1943
			1	A5* A6*		12,500	3,300 3,300	1,500 1,500	1921 1923
				71	» ··· ·· ··	15,000	6,600	3,000	1923
			1	2		15,000	6,600	3,000	1923
			į	3	Brown Boveri	30,000	22,000	3,000	1939
				<b>4</b> 5	Parsons	30,000	22,000	3,000	1945
			i	6	*	30,000 30,000	11,000	3,000 3,000	1946 1948
				7	n	30,000	11,000	3,000	1950
				8	Brush Ljungstrom	18,000	6,600	3,000	1944
mond	•••	•••		į	Metropolitan Vickers	15,000	6,600	3,000	1929
long				2	Brown Bover!	38,000	11,000	3,000	1952
	•••	•••	•••	2	Brush Ljungstrom Metropolitan Vickers	1,500 3,000	6,600 6,600	3,000 3,000	1921
				3	rietropolitan vickers	3,000	6,600	3,000	1923
				4		3,000	6,600	3,000	1925
				BI	Westinghouse	10,000	11,500	3,000	1953
				B2 B3		10,000	11,500 11,500	3,000 3,000	1954 1954
arat				1	Brush Ljungstrom	1,400	6,600	3,000	1934
				2	B 20	1,400	6,600	3,600	1925
				3	w "	1,400	6,600	3,000	1937
				4 5*	Brush Electrical	1,400	6,600	3,000	1940
				BI	Wassinghauss	300 5,000	500 6,900	2,400 3,600	1912 1954
				B2	westingnouse	5,000	6,900	3,000	1954
				B3	"	5,000	6,900	3,000	1953
									1053
				B4	F1: 1"Fl	5,000	6,900	3,000	1953
ncer St. (Melb	ourne (	City Co	uncil)	ŀ	English Electric	5,500	6,600	3,000	1927
ncer St. (Melb	ourne (	City Co	uncil)	ا 5	English Electric Bellis & Morcom	5,500 3,900	6,600 6,600	3,000 3,000	1927 1913
ncer St. (Melb	ourne (	City Co	ouncil)	5 6 7	English Electric	5,500 3,900 5,500 6,875	6,600 6,600 6,600	3,000 3,000 3,000 3,000	1927
ncer St. (Melb	ourne (	City Co	ouncil)	5 6 7 8	English Electric Bellis & Morcom Parsons A.S.E.A	5,500 3,900 5,500 6,875 6,875	6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000	1927 1913 1935 1939 1939
ncer St. (Melb	ourne (	City Co	ouncil)	1 <sup>-</sup> 5 6 7 8 9	English Electric Bellis & Morcom Parsons A.S.E.A Parsons	5,500 3,900 5,500 6,875 6,875 15,000	6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000	1927 1913 1935 1939 1939 1949
ncer St. (Melb	ourne (	City Co	ouncil)	1. 5 6 7 8 9	English Electric Bellis & Morcom Parsons A.S.E.A Parsons	5,500 3,900 5,500 6,875 6,875 15,000	6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000	1927 1913 1935 1939 1939 1949 1954
	ourne (	City Co	ouncil)	1 <sup>-</sup> 5 6 7 8 9	English Electric Bellis & Morcom Parsons A.S.E.A.	5,500 3,900 5,500 6,875 6,875 15,000	6,600 6,600 6,600 6,600 6,600 6,600 22,000	3,000 3,000 3,000 3,000 3,000 3,000	1927 1913 1935 1939 1939 1949 1954 1953
	ourne 6	City Co	ouncil)	1- 5 6 7 8 9 10 11 1	English Electric Bellis & Morcom Parsons A.S.E.A Parsons	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830	6,600 6,600 6,600 6,600 6,600 6,600 22,000 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,755 375	1927 1913 1935 1939 1939 1949 1954 1953 1951
	ourne (	City Co	ouncil)	1- 5- 67- 89- 10- 11- 1- 2- 3	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 22,000 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 375 375	1927 1913 1935 1939 1939 1949 1954 1953 1951
	ourne (	City Co	ouncil)	1-567890111234	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  "" Brush "" ""	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 22,000 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,75 375 375 375	1927 1913 1935 1939 1939 1949 1954 1953 1951 1951
	ourne (	City Co	ouncil)	1- 5- 67- 89- 10- 11- 1- 2- 3	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 22,000 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 375 375 375 375	1927 1913 1935 1939 1939 1949 1954 1953 1951 1951 1951 1952
	ourne (	City Co	ouncil)	1-56789011123 <b>4</b> 567	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  """ """ """ """ """ """ """ """ ""	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,75 375 375 375 375 375	1927 1913 1935 1939 1939 1949 1953 1951 1951 1951 1952 1952 1952
	ourne (		ouncil)	1-56789011123 <b>456</b> 78	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  ""  Brush  ""  Electric Construction Co.	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 375 375 375 375 375 375 250 250	1927 1913 1935 1939 1939 1949 1953 1951 1951 1951 1952 1952 1952
pparton	ourne (	···		1-56789101123 <b>4</b> 56789	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Brush  Electric Construction Co.	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 22,000 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 375 250 250	1927 1913 1935 1939 1949 1954 1953 1951 1951 1952 1952 1952 1953 1953
pparton				1-56789011123 <b>456</b> 78	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 22,000 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,75 375 375 375 375 250 250	1927 1913 1935 1939 1939 1949 1953 1951 1951 1952 1952 1952 1953 1953 1953
pparton		···		1567890111234567891	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Brush  Electric Construction Co.	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.755 375 375 375 375 375 375 375 375	1927 1913 1935 1939 1939 1949 1954 1953 1951 1951 1952 1952 1953 1953 1953 1953 1953
pparton		···		1567890111234567891234	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  "  Brush  Electric Construction Co.  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 1,850 1,850 1,850 1,850 1,850 830 830	6,600 6,600 6,600 6,600 6,600 22,000 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 375 375 375 375 250 250 250 250 375 375	1927 1913 1935 1939 1949 1954 1953 1951 1951 1952 1952 1952 1953 1953 1953 1953 1953 1953
pparton		···		15678901112345678912345	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush  Brush  Brush  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.755 375 375 375 375 375 375 375 375 375	1927 1913 1935 1939 1939 1954 1953 1951 1951 1952 1952 1953 1953 1953 1953 1953 1953 1953 1953
oparton		···		1567890111234567891234	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830 1,850 1,850 1,850 1,850 1,850 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 22,000 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,75 375 375 375 250 250 250 250 375 375 375	1927 1913 1935 1939 1949 1953 1951 1951 1952 1952 1953 1953 1953 1953 1953 1953
oparton		···		1-5678901112345678912345624	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush  Brush  Brush  Brush  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 375 375 375 375 375 250 250 250 250 375 375 375	1927 1913 1935 1939 1949 1954 1953 1951 1951 1952 1952 1952 1953 1953 1953 1953 1953 1953 1953 1953
oparton		···		156789011123456789123456245	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush  Brush  Brush  Brush  Brush  Brush  Brush	5,500 3,900 5,500 6,875 15,000 30,000 830 830 830 830 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 2,000 830 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 250 250 250 250 375 375 375 375	1927 1913 1935 1939 1949 1954 1953 1951 1951 1952 1952 1953 1953 1953 1953 1953 1953 1953 1953
oparton		···		1567890111234567891234562456	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 375 375 375 375 375 375 3	1927   1913   1935   1939   1939   1954   1953   1951   1952   1952   1952   1953   1954   1954   1954   1955   1955 
oparton		···		15678901112345678912345624567	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1,850 1	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,75 375 375 375 250 250 250 250 375 375 375 375 375 375	1927 1913 1935 1939 1949 1953 1951 1951 1952 1952 1953 1953 1953 1953 1953 1953 1953 1953
oparton				1567890111234567891234562456	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 30,000 830 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 375 375 375 375 375 375 3	1927   1935   1935   1939   1949   1954   1953   1951   1951   1952   1952   1952   1953   1953 
oparton rnambool nilton lcon Falls er Rubicon	 	···		15678901112345678912345624567	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 1,850 1,850 1,850 1,850 1,850 1,850 1,850 200 310 420 770 770 770 770 770 275 2,700	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,755 375 375 375 375 375 375 375 375 375	1927   1935   1935   1939   1949   1954   1953   1951   1951   1952   1952   1953   1953 
rnambool liton lcon Falls er Rubicon				15678901112345678912345624567	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 830 830 830 830 830	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 375 375 375 375 375 375 3	1927   1933   1935   1939   1949   1954   1953   1951   1952   1952   1952   1953   1953 
rnambool liton lcon Falls er Rubicon				1567890111234567891234562456781111	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 1,850 1,850 1,850 1,850 1,850 200 310 420 770 770 275 2,700 840 4,550	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 250 250 250 250 250 375 375 375 375 375 375 375 375 375	1927   1933   1935   1939   1949   1954   1953   1951   1951   1952   1952   1953   1953 
icon Falls er Rubicon ston				15678901112345678912345624567	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 15,000 830 830 830 830 830 1,850 1,850 1,850 1,850 1,850 1,850 200 310 420 770 275 2,700 840 4,550 4,550	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,755 375 375 375 375 375 375 375 375 375	1927   1935   1935   1939   1949   1954   1953   1951   1952   1952   1953   1953 
pparton  rrnambool  nilton  sicon Falls  er Rubicon  ston icon				15678901112345678912345624567811112	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 1,850 1,850 1,850 1,850 1,850 200 310 420 770 770 275 2,700 840 4,550	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 250 250 250 250 250 375 375 375 375 375 375 375 375 375	1927   1935   1935   1939   1949   1954   1953   1951   1951   1952   1952   1953   1954   1926   1928   1928   1928   1928   1928   1928   1928
				156789011123456789123456245678111123 4 1	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 15,000 830 830 830 830 830 830 1,850 1,850 1,850 1,850 1,850 200 310 420 770 275 2,700 840 4,550 8,000 8,000	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,75 375 375 375 375 375 375 375 375 375 3	1927   1933   1935   1939   1949   1954   1953   1951   1951   1952   1952   1952   1953   1954   1946   1928   1928 
pparton  rrnambool  nilton  icon Falls er Rubicon icon on  wa No. 3				156789011123456789123456245678111123 4 12	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 830 1,850 1,850 1,850 1,850 1,850 200 310 420 770 770 770 275 2,700 840 4,550 4,550 8,000 13,000	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 375 375 375 375 375 375 3	1927   1933   1935   1939   1949   1954   1953   1951   1951   1952   1952   1953   1954   1928   1928 
icon Falls er Rubicon				156789011123456789123456245678111123 4 123	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 15,000 15,000 830 830 830 830 830 1,850 1,850 1,850 1,850 1,850 200 310 420 7770 275 2,700 840 4,550 4,550 8,000 13,000 13,000 13,000 15,400	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,000 3,755 375 375 375 375 375 375 375 375 375	1927   1939   1939   1939   1949   1954   1953   1951   1951   1952   1952   1953   1954   1946   1928   1928   1928   1928   1928   1928   1954   1954   1954   1954   1954   1954   1955   1955   1955   1958   1958 
icon Falls er Rubicon ston				156789011123456789123456245678111123 4 12	English Electric Bellis & Morcom Parsons A.S.E.A.  Parsons  Brush  Electric Construction Co.  Brush  Brush	5,500 3,900 5,500 6,875 6,875 15,000 30,000 830 830 830 830 830 1,850 1,850 1,850 1,850 1,850 200 310 420 770 770 770 275 2,700 840 4,550 4,550 8,000 13,000	6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600 6,600	3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.000 3.75 375 375 375 375 375 375 375 375 375 3	1927   1933   1935   1939   1949   1954   1953   1951   1951   1952   1952   1953   1954   1928   1928 

\*Newport Nos. A1 to A6 inclusive-25 cycle; Ballarat No. 5-D.C.; all others A.C., 3 phase, 50 cycle.

		 (II)	Not	connected	to State	Syst	tem					
Mildura Redcliffs Horsham		 		1 2 3 4 1	Metropoli Stal. " Metropoli Westinghe	tan Vic	<b>"</b>	::: ::: :::	1,000 1,000 2,500 2,500 5,000 5,000	6,600 6,600 6,600 6,600 6,900	1,000 1,000 3,000 1,500 3,000 3,000	1932 1934 1940 1950 1954 1954
riorsnam,	***	 	•••	2 3 4 5 6 7	Harland Brush	» » » …			132 132 220 400 300 520 560	415 415 415 415 415 415 400/440	300 300 428 428 375 375 428	1949 1949 1951 1950 1943 1943

# (c) BOILERS INSTALLED AT POWER STATIONS

# (i) Interconnected System

Powe	er Statio	n		Boiler No.	Make	Rated Evaporative Capacity of each Boiler Ib./per hour	Working Pressure of each Boller lb. (gauge) per sq. in.	Total Steam Temperature including Superheat Deg. F.	Year Installed
fallourn				1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 CC CC	John Thompson	63,600 63,600 68,600 68,600 98,000 98,000 98,000 98,000 77,400 68,600 75,000 75,000 75,000 75,000 75,000 75,000 75,000 75,000 75,000 75,000 75,000 75,000 75,000	270 270 270 270 270 270 270 270 270 270	650 650 650 650 650 650 650 650 650 650	1924 1924 1924 1925 1925 1925 1927 1927 1925 1924 1931 1937 1937 1938 1938 1938 1938 1937 1937
Newport				C5 C6 A1 A2 A3 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19	Babcock & Wilcox International Combustion	200 000 200,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 30,000 54,000	645 645 200 200 200 200 200 200 200 200 200 20	840 840 600 600 600 600 600 600 600 600 600 6	1955 1954 1918 1918 1918 1918 1918 1918 1918 191
				A20 A21 A22 A23 A24	Babcock & Wilcox	30,000 30,000 30,000 30,000 30,000	200 200 200 200 200 200	600 600 600 600	1927 1918 1918 1918 1918 1918
				AIM A2M A3M A4M	International Combustion	187,500 187,500 187,500 187,500 43,000	400 400 400 400 270	780 780 780 780 780 650	1952 1951 1943 1943 1923
				3 4 5	Babcock & Wilcox	43,000 43,000 43,000 43,000	270 270 270 270	650 650 650 650	1923 1923 1923 1923
				6 7 8 9 10 11 12 13 14 15 16 17	John Thompson	60,000 60,000 60,000 60,000 160,000 160,000 160,000 160,000 160,000 160,000 160,000	270 270 270 270 270 270 620 620 620 620 620 620 620	750 750 750 750 750 820 820 820 820 820 820 820 820 820	1939 1939 1939 1939 1939 1945 1945 1947 1948 1950 1950 1950
Richmond			•••	1 2 15 16	Babcock & Wilcox	20,000 20,000 20,000 20,000 20,000	160 160 160 160 160	570 570 570 570 570	1917 1919 1921 1920 1921
Geelong				18 Velox No. I Velox No. 2	Brown Boveri	20,000 !65,500 !65,500 27,000	160 650 650 200	570 850 850 588	1920 1953 1952 1921
				3 4 5 6	John Thompson	27,000 27,000 27,000 27,000 27,000	200 200 200 200 200 200	588 588 588 588 588	1921 1922 1922 1924 1924
Ballarat				B1 B2 B3	Westinghouse	110,000 110,000 110,000 11,000	625 625 625 160 160	825 825 825 600 600	1953 1954 1954 1906 1906
				2 3 4 5 B1 B2	Stirling	11,000 11,000 11,000 70,000 70,000	160 160 160 430 430	600 600 600 760 760	1906 1913 1937 1954 1954
Spencer Street (Melbourne				B3 B4 I	Westinghouse	70,000 70,000 70,000 25,000	430 430 160	760 760 570	1953 1953 1953 Reconstd. 1925
City Cou	ncil)			2 3 4 6	Babcock & Wilcox John Thompson	25,000 25,000 25,000 55,000	160 160 160	570 570 570 570	1925 1925 1925 1938
				6 8 10 12 14 16 22 24	Babcock & Wilcox  John Thompson	55,000 55,000 55,000 55,000 55,000 60,000 60,000	160 160 160 160 160 165 165	570 570 570 570 570 620 620	1934 1937 1939 1940 1936 1941
	i) Not	con	necte	Bi Ci ed to State	System	150,000 300,000	275 620	775 820	1954 1953
Mildura					1	14,000	260	650	1939
				3 4	Babcock & Wilcox	14,000 14,000 30,000	260 260 260	650 650 650 700	1939 1940 1951
Redcliffs	•••		•••	1 2	} Westinghouse	70,000 70,000	430 430	760 760	1954 1954

APPENDIX No. 9

# ELECTRICITY SUPPLY UNDERTAKINGS STATE OF VICTORIA STATISTICAL SUMMARY AT 30th JUNE, 1955 — CONSUMERS AND SALES

	Facul To	100	Carrino		
Verminal of	AWA	Laring	1 season	Service Service	
45-12 6-12 22-10	1,369,018,937 185,706,823 673,192,494	36-94 6-93 30-29	265,142 49,744 TTA'TT	THE C	State Electricity Commission of Victoria— Metropolitan Provincial Cities Country
73-42	2,227,918,254	74-16	1 74275 1	463,616,0	Total
ML-255 55-1	T69,433,780	ELECT	CRICIT	12 Y S U	Other Undertakings— Metropolitan (receiving Bulk Subuld fram State Electricity Commission of Victoria) Country (Local Undertakings)
24-58	804,534,312	18-25	(85,459		tuoT
00.001	3,034,454,464;	00 001	217,736	2,445,9194	Grand Total

\* Your payabolor of Vicenta-2,323.014 † Steemory miss per heat of population - 1,200 k=1.

APPENDIX No. 10

# STATE ELECTRICITY COMMISSION OF VICTORIA CONSUMER STATISTICS

(a) AGGREGATES FOR ALL BRANCHES 1936 - 1955

Number		riosell		yes that divi-			95	, marino i	Number of		Population of Area		esr Ende	Y
Supplier		rodmul4	Trings	nemine.				-00	Industrial	Domestic	of Supply	F	age	
3,200 4,030 4,765 5,765 6,410	Appendix Appendix	29,063 32,386 36,282 41,530 46,614	1,517	Victorian Consumer Consumer	and S	ales	Statistics	34,185	ings: —	Summ	ooo, oo () () () () () () () () () () () () ()		46	9591 7561 9591 0491 1340 1340 1340 1340 1340
	101,623 904,104	12000	117	Electricity Transmiss		12	ALC: HELDER	146,3	5594 5426 13,416 14,846 14,309	266,463 287,163 287,163 100,671 315,171	1,193,000 1,253,000 1,253,000 1,353,000		47	945 946 947 948 949
17,571 17,572 19,953 27,083 27,083	Appendix	No.	13,—	-Standard	Tariffs	27-8 28-1 28-1 28-1 28-1 28-9	391,005 415,682 443,014 443,014 501,094 532,277	47,813 43,066 44,527 44,527 62,410 57,582	7,476 19,160 11,285 15,882 18,218	17 an	ESTATE OF THE PARTY OF THE PART		49	101 101 101 101 101 101 101 101 101 101

(b) MECTRICITY SUPPLY BRANCHES - 1954 AND 1955

Manual I		House C				Parametric I			No. tradeout!		Prejodin	
Mirel to Industri	, tes	recursor!	Opposite		witnesser.	nd Platter references			tomater	Darries	property in	facevil
1,147	354,744 334,230	11/11/19				(C 46	198,000	21,803	001.3	THE	SELSER.	20th Helifingust
1,335	28,492	5,741 0,455	HITA.	NETE			10.5				10,03 10,03	And - Market
4,387	46,750	2,108	Disk.	200.EY		11:12	SEC.	THE .	1017		EST. MUS 980,081	CONTRACTOR SAFER
1,097	50,875	17122	1117	185.45	60. 100.		800.15 000.25		12	21,018 21,018		200 - poles!
5,824	59,067	162184 62174	AND S		200	22	41,825	IBS	MH.	TELL	PRESEN	Admin backeys
1,586	17,532	PART THE	185	11002		報告	100.07	111	MILE Doll	116.21	\$11.18 100.00	FIFT braight
SUL.	PELIT	10Ex1	16-6.77 16-6.77	11531	NA.	10 ±5	100		455.0		121,741 116,928	derb famere 1955 ted Cows) 1954
itt.i Walt	#15.45 201.45	UGS DIGS			101			AHEA	MAC)	27045	81,410	1955 1954
TILA INCA			NEET,	TOP <sub>A</sub> C	145	25		1555		162.11	80,844	1959 Western 1955
(1).05 (1).05 (1).05		12/1/18	4,654	21,014	15	11.0	TU,038	Dist.	MANE.	HELE	1,840,667	Teral 1955

# APPENDIX No. 9 ELECTRICITY SUPPLY UNDERTAKINGS — STATE OF VICTORIA STATISTICAL SUMMARY AT 30th JUNE, 1955 — CONSUMERS AND SALES

		Cons	umers	Retail Sa	les
-	Population Area Served	Number	Percentage of Grand Total	kWh	Percentage of Grand Total
State Electricity Commission of Victoria— Metropolitan Provincial Cities Country	1,004,151 153,280 683,231	265,142 49,744 217,391	36·94 6·93 30·29	1,369,018,937 185,706,823 673,192,494	45·12 6·12 22·18
Total	1,840,662	532,277	74 · 16	2,227,918,254	73 · 42
Other Undertakings—  Metropolitan (receiving Bulk Supply from State Electricity Commission of Victoria)  Country (Local Undertakings)	521,752 83,405	160,888 24,571	22·42 3·42	769,433,780 37,102,432	25·36 1·22
Total	605,157	185,459	25.84	806,536,212	26.58
Grand Total	2,445,819*	717,736	100.00	3,034,454,466†	100.00

<sup>\*</sup> Total population of Victoria—2,523,014

### APPENDIX No. 10

### STATE ELECTRICITY COMMISSION OF VICTORIA

### CONSUMER STATISTICS

# (a) AGGREGATES FOR ALL BRANCHES 1936 - 1955

Y	ear End	ed	Population	1	Number of	Consume	rs	Percentage of Con-		Wh Sold pe sumer (Ave		Motors C	Connected	Numbe
	Oth Jun		of Area of Supply	Domestic	Industrial	Com- mercial	Total (all classes except Bulk)	sumers to Population	Domestic	Industrial	Com- mercial	Number	H.P.	of Farm Supplie
36			972,000	188,957	3,669	32,571	225,534	23.2	487	48,300	1,377	26,608	204,503	2,540
37	•••	•••	984,000	198,587	4,099	32,984	235,942	24.0	520	47,970	1,509	29,063	213,667	3,200
38	•••	•••	1,018,000	210,209	4,710	34,185	249,244	24.5	540	45,286	1,611	32,386	227,903	4,030
39	•••	•••	1,050,000	220,419	5,386	34,781	260,733	24.8	566	42,158	1,734	36,282	245,697	4,98
	•••	•••	1.080.000	230,312	6,101	35,178	271,749	25 · 2	626	43,483	1,917	41,530	275,458	5,78
40						35,178		25.8	658	47,604	2,081	46,114	299,988	6,410
41	•••	•••	1,104,000	242,035	6,746	33,840	284,373 292,341	26.0	703	53,236	2,061	50,465	322,283	6,78
42 43	•••	•••	1,123,000	251,185 255,701	7,169 7,457	33,408	296,717	26.0	756	56,911	2,626	54,285	345,924	7,03
44	•••	•••	1,149,000	258,447	8,073	33,781	300,465	26.1	793	51,656	2,769	59,483	365,746	7,46
**	•••	•••	1,177,000	230,447	0,073	33,701	300,403	20-1	, ,,,	31,030	2,707	37,403	303,740	7,40
45	•••	•••	1,193,000	266,463	9,594	34,944	311,172	26·1	838	43.189	2,934	65,983	401,085	8,77
46			1,200,000	273,382	11,542	36,529	321.631	26.8	928	35,663	3,104	71,796	430,452	10,20
47	•••	•••	1,253,000	287,188	13,416	38,496	339,286	27.1	1,015	33,209	2,769	77,735	454,901	11,68
48	•••	•••	1,300,000	300,671	14,845	39,544	355,258	27.3	1,151	32,813	3,132	84,361	481,408	13,18
49	•••		1,353,000	315,191	16,200	40,539	372,135	27.5	1,370	33,061	3,400	90,896	505,877	14,41
77	•••	•••	1,333,000	313,171	10,200	40,557	1,2,133	2, 3	1,570	33,001	3,100	,0,0,0	303,077	
50	•••	•••	1,414,000	331,506	17,476	41,813	391,005	27-7	1,556	32,301	3,555	96,150	528,618	15,74
51			1,496,000	353,239	19,160	43,066	415,682	27.8	1,566	32,171	3,817	101,988	565,298	17,57
52	•••	•••	1,574,000	376,977	21,285	44,527	443,014	28 · i	1,496	29,025	3,736	107,234	590,164	19,95
53	•••		1,651,000	399,171	23,228	46,334	468,961	28.4	1,600	27,601	3,976	112,173	613,855	22,32
54			1,753,000	426,461	25,882	49,410	501,994	28.6	1.770	29,844	4,330	121,664	657,970	27,08
55		•••	1,841,000	451,223	28,218	52,582	532,277	28 9	1.921	31,014	4,654	129,136	702,898	30,13

# (b) ELECTRICITY SUPPLY BRANCHES — 1954 AND 1955

		Population		Number of	Consumer	's	Percentage of Con-		Wh 5old pe sumer (Aver		Motors C	Connected	Number
Branch		of Area of Supply	Domestic	Industrial	Com- mercial	Total (all classes except Bulk)	sumers to Population	Domestic	Industrial	Com- mercial	Number	H.P.	of Farm Supplied
Metropolitan	1955	1,014,467	237,379	6,120	22,507	266,049	26·23	2,053	82,862	5,300	67,820	354,7 <del>44</del>	1,147
	1954	981,127	229, <b>7</b> 25	5,940	21,803	257 <b>,5</b> 10	26·25	1,871	74,199	4,852	64,119	334,230	1,150
Ballarat	1955	65,485	17,055	1,063	2,522	<b>20</b> ,656	31 · 54	1,152	27,314	4,064	5,744	28,482	1,325
	1954	62,775	16,067	971	2,391	19,445	30 · 98	1, <b>0</b> 93	26,018	3,727	5,455	27,513	1,125
astern	1955	208,322	58,871	3,073	5,779	67,753	32·52	2,143	12,808	4,585	7,508	48,750	4,387
Metropolitan	1954	189 <b>,08</b> 9	53,69 <b>6</b>	2,856	5,205	61,787	32·68	1,977	10,325	4,413	6,566	43,847	4,124
Geelong	1955	82,570	23,669	918	3,027	27,628	33·46	1,420	78,072	4,115	7,222	50,875	1,097
	19 <b>5</b> 4	79,160	21,759	853	2,857	25,483	32·19	1,302	76,283	3,904	6,971	50,048	1,025
Gippsland	19 <b>5</b> 5	137,154	31,329	5,798	4,675	41,829	30·50	1,969	12,506	3,514	10,984	59,367	6,76 <b>5</b>
(incl. Yallourn)	1 <b>95</b> 4	127,251	29,244	5,182	4,436	38,889	30·56	1,867	10,484	3,389	10,274	55,131	5,826
Midland	1955	48,669	10,811	1,153	1,922	13,906	28 · 57	1,205	12,060	2,923	2,979	17,532	1,586
	1954	46,900	10,298	1,042	1,854	13,214	28 · 17	1,144	14,144	2,641	2,843	16,744	1,380
North Eastern	1955	121,741	31,026	4,876	5,491	41,431	34·03	1,819	15,491	5,941	14,203	79,299	5,626
(incl. Kiewa)	1954	116,928	28,821	4,326	5,151	38,335	32·79	1,694	18,413	5,638	13,416	73,739	5,090
North Western	1955	81,410	21,499	1,306	3,314	26,158	32·13	1,404	19,179	3,781	6,387	43,286	3,321
	1954	72,640	18,542	1,252	2,547	22,370	30·80	1,333	20,171	3,320	6,045	36,886	3,097
South Western	1955	80,844	19,584	3,911	3,345	26,867	33·23	1,911	7,588	2,520	6,289	20,563	4,87 <b>7</b>
	195 <b>4</b>	77,172	18,309	3,460	3,166	24,961	32·34	1,758	7,487	2,336	5,975	19,832	4,265
Total	1955 1954	1,840,662 1,753,042	451,223 426,461	28,218 25,882	52,582 49,410	532,277 501,994	28·92 28·64	1,921	31,014 29,844	4,654 4,330	129,136	702,898 657,970	30,131 27,082

<sup>†</sup> Electricity sales per head of population-1,203 kwh.

ATTENDED TO

# STATE ELECTRICITY COMMISSION OF VICTORIA

# **ELECTRICITY SALES AND REVENUE** (a) AGGREGATES FOR ALL BRANCHES, 1936 - 1955

							Sales	kWh (Mil	lions)				Reve	nue '	
Ye	ar Er	nded 30	Oth June										P	er kWh 5c	old
			,	.	Bulk Supplies	Public Lighting	Domestic	industrial	Traction	Commercial	Total	Total	Domes-	Indus- trial	Com- mercia
						.1						£	,d.	d.	d.
937 938					211-004 220-031 241-988 257-394	11-975 12-408 12-950 14-282	89·630 100·994 110·597 122·134	170 · 453 186 · 415 202 · 249 215 · 175	49·543 54·136 56·025 58·197	44·231 49·372 54·080 59·915	576 · 836 623 · 356 677 · 889 727 · <b>09</b> 7	3,164,629 3,331,561 3,528,396 <b>3,685,538</b>	2-789 2-635 2-559 2-420	0.969 0.943 0.929 0.922	3-134 2-915 2-714 2-567
94) 942 943		: : :			285·031 311·546 369·236 404·121 422·287	16·804 16·516 10·509 11·694 15·984	141 · 172 155 · 726 173 · 951 192 · 067 203 · 979	252 · 072 307 · 239 377 · 439 417 · 220 400 · 129	59·844 60·199 64·295 66·085 66·008	67·224 73·547 78·168 87·821 92·938	822 · 147 924 · 773 1,073 · 598 1,179 · 008 1,201 · 325	3,881,022 4,241,264 4,657,452 4,935,602 5,101,631	2 · 165 2 · 059 1 · 978 1 · 869 1 · 822	0.883 0.842 0.917 0.799 0.830	2·338 2·262 2·112 1·908 1·835
946 947 948					417·193 447·005 449·380 506·780 563·296	16·782 17·255 17·614 18·106 18·607	220 · 247 250 · 245 285 · 596 339 · 025 422 · 681	387 · 365 383 · 018 421 · 887 468 · 238 516 · 071	65-299 66-605 65-107 66-900 <b>68-181</b>	100-790 110-413 104-539 122-448 136-179	1,207·676 1,274·541 1,344·123 1,521·497 1,725·015	5,259,890 5,605,333 5,835,194 6,543,089 8,129,973	1 · 783 1 · 700 1 · 606 1 · 506 1 · 517	0·852 0·883 0·868 0·874 0·977	1·781 1·814 1·900 1·905 2·070
951 952 953 954			 		613·552 656·488 679·665 729·369 844·749 <b>955</b> ·610	14·253 17·982 20·451 21·228 22·508 23·832	504·311 536·844 547·213 623·067 734·281 842·951	546·607 592·261 590·871 617·150 739·596 844·048	54·998 135·548 236·265 248·115 265·443 280·117	146·450 162·219 163·636 180·830 208·114 236·970	1,880 · 171 2,101 · 342 2,238 · 101 2,419 · 759 2,814 · 691 3,183 · 528	9,446,008 11,524,389 15,099,864 19,189,514 22,117,381 24,838,401	1.554 1.679 2.063 2.343 2.297 2.214	1 · 057 1 · 141 1 · 415 1 · 697 1 · 685 1 · 679	2 · 148 2 · 178 2 · 639 3 · 078 3 · 120 3 · 114

Note.—Above figures do not include allowances for unread meters prior to 1941.

# (b) ELECTRICITY SUPPLY BRANCHES — 1954 AND 1955

			Sales-	-kWh (Mil	lions)				Reve	nue	
Year Ended 30th June	Bulk	Public							P	er kWh 5o	ld
· ·	Supplies	Lighting	Domestic	Industrial	Traction	Commercial	Total	Total	Domes- tic	Indus- trial	Com- mercia
:								£	d.	d.	d.
Metropolitan (Incl. Metropolitan 1955 Bulk Supplies) 1954	909·068 803·686	17·185 16·472	480 · 173 423 · 685	500·654 437·035	263·537 263·715	117-491 104-413	2,288·108 2,049·006	16,270,169 14,664,757	1 · 958 2 · 050	i · 640 i · 65 i	2·959 2·972
Ballarat 1955 1954	:::	0·513 0·489	19·217 17·272	28·133 24·587	:::	10·135 8·841	57·998 51·189	573,084 522,151	2·887 2·996	I · 639 I · 672	3·290 3·368
Eastern Metropolitan 1955 1954		1 · 633 1 · 448	121·136 101·881	38·231 28·352	12 · 305 1 · 728	25 429 22 045	198·734 155·454	1,980,575 1,608,307	2·378 2·442	1 · 949 2 · 019	3·212 3·165
Geelong 1955 1954		0·730 0·6 <b>7</b> 5	32·334 27·310	69·640 62·552		12·093 10·901	114·797 101·438	1,002,269 904,551	2·749 2·937	1·505 1·511	3·591 3·574
Gippsland 1955 (Incl. Yallourn) 1954	•••	1 · 166 1 · 085	59·590 52·887	69·011 <b>5</b> 2·547	4·275	16·044 14·414	150·086 120·933	1,379,438 1,153,922	2·457 2·476	1·713 1·804	3·224 3·188
Midland 1955 1954		0-382 0-376	12·716 11·536	13·313 14·101		5·491 4·791	31·902 30·804	350,185 334,878	3·012 3·116	1 · 853 1 · 790	3 · 489 3 · 580
North Eastern (Incl. N.S.W. Bulk Supplies 1955 and Klewa) 1954	42·244 38·106	1 · 030 0 · 946	54·694 46·703	72·124 74·777	<b></b>	31·780 27·938	201 · 872 188 · 470	1,765,657 1, <b>62</b> 5,718	2·549 2·664	1·710 1·631	2·741 2·788
North Western 1955 1954	4·298 2·957	0·689 0·533	26·964 21·911	24·972 21·260	:::	10-310 7-564	67·233 54·225	770,183 617,121	2·956 2·978	2·011 2·000	4·027 4·015
South Western 1955		0·504 0·484	36·127 31·096	27·970 24·385	<b></b>	8·197 7·207	72·798 63·172	746,841 665,976	2 · 498 2 · 593	1 · 927 1 · 940	3·947 4·034
Total 1955	955·610 844·749	23·832 22·508	842 · 95 I 734 · 28 I	844 · 048 739 · 596	280·117 265·443	236·970 208·114	3,183·528 2.814·691	24,838,401	2.214	1 · 679	3-114

# STATE ELECTRICITY COMMISSION OF VICTORIA TRANSMISSION AND DISTRIBUTION SYSTEMS

		D-	<b>sscr</b> iptic	·			* .		Increase c ended 30t	during Year h June, 1955	Total at 30t	h June, 1955
			sscriptic	on			.:		Route Miles	Cable Miles	Route Miles	Cable Miles
Kiewa to Brun	ewick C	OVER		D LIN		220 kV.		· ·	153 · 0	F13 (	152.0	F13
Yallourn to Ma	alvern		•••	•••		220 kV. 220 kV.			74.0	513·6 222·0	153·0 74·0	513· 222·
Yallourn to Ya						132 kV.		:	•••		110.0	660.
Yallourn to Ri		•••	•••	•••	•••	132 kV.					80.5	483
Newport to G Yallourn to W		•••				66 kV.			•••		80·6 24·8	256 · 74 ·
Sunshine to Ba	llarat		•••			66 kV.			 —22∙5	68.5	55.5	165.
Kiewa No. 3 P	.S. to Ei	ldon	•••	•••	•••	66 kV.			6.8	20.3	143.8	605 -
Eildon to Thor Eildon P.S. to	nastown	) Subatat	···	•••	•••	66 kV. 66 kV.					62.0	372.
Kiewa No. 3 P	S. to H	owma	n's Ga	 ID		66 kV.			-2·0 		0.5 4·0	[·  2·
Thomastown t	o Bendig	go		•••	•••	66 kV.					93.4	560
Klewa Area Eldon P.S. to	E::: C			•••	• • • •	22 kV.	,				7.8	23 ·
Main Metro. T						6.6 kV.			-0.1	2·I	0·5 49·7	·   105 ·
Main Metro. T	ransmiss	sion Li	ines	•••		22 kV.				34.5	253.0	866
Main Metro. T <b>anches</b> —	ransmiss	sion Li	ines	•••	•••	6.6 kV	•	·	•••		5.9	19.
Metropoli	tan		•••		•	22 kV.			16.6	46.5	138.0	403 ·
						7.2, 6.0			16.8	47.8	399.5	1,191
Ballarat						Low to			58·6 65·8	270·9 143·2	2,258·2 462·8	8,705 · 1,150 ·
			•••	•••	•••	6.6 kV			1.2	7.5	21.0	63.
F M						Low to	ension		29.0	92.8	449· I	1,520
Eastern M	etropoli	itan	•••	•••	•••	66 kV. 22 kV.	•••	•••	3·2	-9·6	18.8	56·
						6.6 kV			73·7 —6·5	177.0 -13.5	879·4 53·3	2,262 · 138 ·
						Low to	ension		105.3	451.6	1,494-1	5,408
Geelong	•••	•••				22 kV.	•••		44.5	103.7	281.0	683 ·
						6.6 kV Low to			-7·I	-21.3	65.6	233.
Gippsland	l					66 kV.			25.8	100.8	393·4 98·2	1,391 · 294 ·
						22 kV.			 173·0	348.0	1,667·3	3,931
						6.6 kV					0.8	1.
Midland					5	Low to		•••	109.0	322 0	1,495.9	4,912
Hidiand	•••	•••	•••	•••	•••	6.6 kV			85.0	188.6	695·9 7·5	1,855 · 16 ·
						Low to	ension		 18∙6	58.6	419.2	1,323
North-Eas	stern	•••	•••	• • • •	•••	66 kV.			25.0	75.0	198.9	708
						22 kV. Low to		•••	192·5 55·0	439 · 1	2,054.2	5,129
*North-W	estern					22 kV.			79·8	177·4 210·9	1,056·9 591·4	3,662 · 1,574 ·
						19.8 kV			10.5	10.5	10.5	10.
						12.7 kV		•••	99.9	99.9	99.9	99.
						11 kV. 6.6 kV			40.9	-40.9	73.2	73 ·
						Low to			0·2 53·8	0·6 190·7	30·8 632·1	83 · 1,967 ·
South-We	estern					66 kV.					119.4	628
						22 kV.		•••	270.9	564 · 4	1,813 · 5	3,863
						12.7 k∨ 6.6 kV			42·6 104·1	42.6	42·6 108·2	42 · 250 ·
						Low to			50.2	242·I I43·5	694.2	1,890
Yallourn		•••	•••			6.6 kV			1.0	2.9	14.1	42.
Kiewa						Low to			0.3	1.4	25.8	8 <u>7</u> ·
Riewa	•••	•••	•••	•••	•••	Low to			•••	•••	2·4 8·8	7· 43·
mmary						220 kV.			227 - 0	735.6	227 · 0	735·
			,			132 kV.					190.5	1,143
						66 kV.		[	4.1	9.4	949.6	3,841
						22 kV. 9.8 kV.			1,009.8	2,255.9	8,846 · 7	21,750
						2.7 kV.			10·5 1 <del>4</del> 2·5	10·5 142·5	10·5 142·5	10· 142·
						II kV.			-40· <b>9</b>	-40·9	73.2	73.
						7.2, 6.0 Low to		- 1	. −98·6	-220 · 2	707 · 2	2,041
						LOW to	ension		505.6	1,809.7	8,927 · 7	30,911
									1,760.0	4,702 · 5	20,074 · 9	60,650
	UND	EKG	KOU	MD C	ABL	:5.			Cable	Miles	Cable	Miles
kV and 20 kV.	•••	•••	•••	•••	•••	•••	•••		. •	•		62
7.2, 6.6, 4.0,	3.3 and	 2.2 k∨	·.··	•••			•••			· 95 · 92	165 · 372 ·	
ot, telephone,	and sup	erviso	ory							.91	227	
w tension	•••	•••	•••	•••	•	• • • •	•••		.6	· <del>4</del> 0	85	28
								* :	24	1.18	851	49
		SUB	-STA	TION	IS.				Number	Capacity kVA	Number	Capacity kV
rminal Station										85,000	9	824,00
itching Statio		···			•••		•••		1	45,000	3	63,00
in Metropolit anches—	an Trans	smissic	on Sub	-static	ns	•••	•••		3	74,000	51	739,50
ancnes— Metropoli	itan			•••					79	27,875	1,255	381,24
Ballarat				•••					79 76	3,285	1,255 496	381,24 26,05
Eastern M			•••	•••		•••		)	126	17,465	1,269	129,67
Geelong Ginnsland		•••	•••	•••	•••	•••	•••	[	.55 275	4,300	447	57,91
Gippsland Midland		•••	•••				•••		275 98	7,670	1,728	90,66
North-Eas	stern	•••	•••	•••			•••		98 313	1,855 9,849	704 2,406	36,18 132,62
*North-W	estern	•••			•••				134	26,295	764	85,13
South-We		•••	•••	•••	•••	•••			283	7,095	2,259	79,66
Yallourn Kiewa	•••	•••	•••	•••	•••	•••	•••		1	25	23	4,18
KIGHA	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••	10	2,10
									1, <del>444</del>	309,714	11,424	2,651,92
			_	ldura S								

# STATE ELECTRICITY COMMISSION OF VICTORIA STANDARD TARIFFS AS AT 30th JUNE, 1955

	Miscellaneous		9	Tariffs for the following centres are the same as shown in Columns 2, 4 and	5, except the Residential Fariff within certain areas:— Croydon Heathmont Kilsyth Montrose	Ringwood Details of Residental tariffs for the areas concerned and those in the Midura and Horsham area will be supplied on request.							
Industrial Factories and Other	Industrial Establishments	All Supply Areas	5		First 20 at 6.5d. Balance at 5.25d.	First 200 at 3.5d. Next 4,800 at 2.0d. 20,000 at 1.7d. Balance at 1.65d.	11 p.m7 a.m.*—0.825d.	5s. 0d.	Industrial All-Purposes   First	£1 6s. 8d. a month for each kW of maximum demand plus 0.7d. a kWh (500 kW Minimum demand charge).		0.875d. 1.35d.	2
Farming Coerations	Only	All Extra- Metropolitan Areas	4						Farming General Service First 4 at 9.0d. Next 196 at 4.2d. Balance at 1.85d. 10 p.m.—6 a.m.*—0.9d. 5s. 0d.			0.975d. 1.475d.	7
	Country	(Smaller Towns and Rural Areas)	8	1s. 10d. 2.5d. 8.0d.	First 100 at 9.25d. Next 200 at 7.5d. Balance at 6.0d.	First 50 at 4.4d. Next 150 at 4.0d. # 20,000 at 1.85d. Balance at 1.85d.	10 p.m.—6 a.m.—0.9d.	5s. 0d.	Service Service First 100 at 9.25d. Next 200 at 7.5d. 7,000 at 6.0d. 8,000 at 4.0d. 20,000 at 185d. Bance at 1.8d. 10 p.m6 a.m.—0.9d. (Power and Heating only) 55, 0d.		2.5d.	0.975d. 1.475d.	77 47
Residential and Commercial	Provincial City and	Town. (Ballarat, Bendigo, Geelong and Large Towns)	2	1s. 8d. 2.35d. 8.0d.	First 100 at 8.25d. Balance at 6.0d.	First 200 at 4.0d. Next 4,800 at 2.6d. 7, 20,000 at 1.85d. Balance at 1.8d.	10.30 p.m6.30 a.m.*-	5s. 0d.	Commercial General Service First 100 at 8.25d. Next 900 at 6.0d. ", 4,000 at 4.0d. ", 20,000 at 4.0d. Balance at 1.85d. 10.30 p.m6.30 a.m.*— (Power and Heating only) 53, 0d.		2.354.	0.975d. 1.475d.	
		Metropolitan	-	1s. 3d. 1.85d. 8.0d.	First 20 at 6.5d. Balance at 5.25d.	First 200 at 3.5d. Next 4,800 at 2.0d. 20,000 at 1.7d. Balance at 1.65d.	II p.m7 a.m.—0.825d.	5s. 0d.	Service Service First 20 at 6.5d. Next 980 at 5.2d. 1,000 at 3.5d. 20,000 at 1.7d. Balance at 1.65d. 11 p.m7 a.m.—0.825d. (Power and Heating only) 55, 0d.		l.85d.	0.875d. 1.35d.	
	3.	Tariffe		Residential Tariff (Domestic and Commercial Residential Premises)— Service Charge a month for each assessable Rate a kWh	Lighting— Block Tariff—rates a kWh (based on monthly consumption)	Power and Heating— Block Tariff—rates a kWh (based on monthly consumption)		Rental a month for each two-rate meter	Power, Heating and Lighting— Block Tariff—rates a kWh (based on monthly consumption)  Consumption)  Rental a month for each two-rate meter	Industrial Maximum Demand (See Note 3 below) Power, Heating and Lighting	Commercial Range (Electric Cooking)—Rate a kWh	Water Heating—Night Rate Tariff a kWh See Note 4 Intermediate Rate Tariff a kWh below	

\*Prescribed hours for these tariffs are 10.30 p.m.-6.30 a.m. in Ballarat, Bendigo and Geelong. In other extra-metropolitan areas the hours are 10 p.m.-6 a.m.

Notes.—1. Details regarding the application of the above tariffs are shown in the Commission's published tariff schedules, which are available on request. 2. A consumer adopting the Industrial All-Purpases Tariff is available only to consumers entering into a five-year agreement providing for high tension supply and for monthly payments based on the minimum demand indicated or half the stipulated rate of supply, whichever is the greater. 4. Until additional generating plant (using low cost raw brown coal) is insulable when water services connected (excluding dairy water heaters) are charged for a period of eighteen months at the Intermediate Rate Tariff after which they are transferred automatically to the lower Night Rate Tariff.

