1939. VICTORIA.

STATE ELECTRICITY COMMISSION OF VICTORIA.

TWENTIETH ANNUAL REPORT

COVERING THE

FINANCIAL YEAR ENDED 30TH JUNE, 1939,

TOGETHER WITH

APPENDICES.

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

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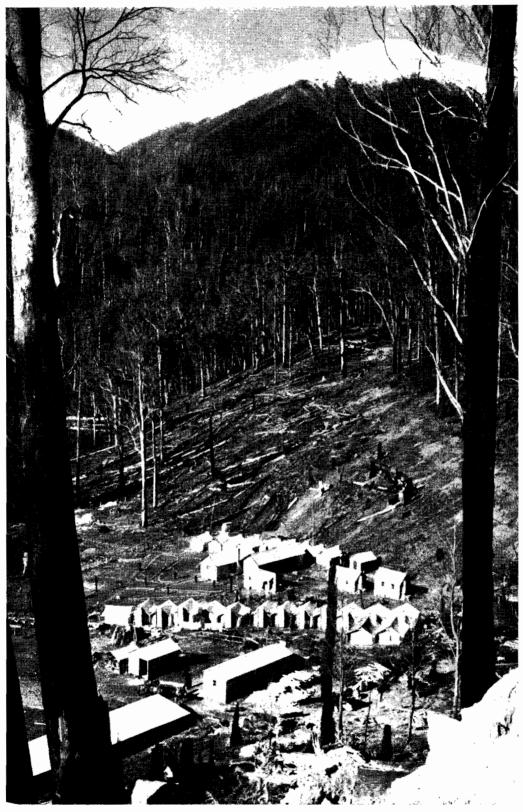
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PREPARING THE WAY.



KIEWA HYDRO-ELECTRIC SCHEME.

Ultimate installed capacity 117,000 kW,

Junction Staff Camp, Upper Kiewa Valley.



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STATE ELECTRICITY COMMISSION OF VICTORIA.

FEATURES OF YEAR'S OPERATIONS.

		-				1938-39.	1937 38.	I 1 I	ncrease or Decrease.	Per	centage.
	FINANC	IAL.									
REVENUE— Electricity Supply Briquetting (after S		 tment ar	 d less \$5	 alas	£.	3,685,107	3,539,974	- -	145,133	+	4.1
to Works)		· ·			£	377,022	394,634		17,612		4.5
Tramways					£	78,664	75,567	-1-	3,097	+	4.
Miscellaneous			• •		£	1,099	1,008	1-	91	+	9.0
					£	4,141,892	4,011,183		130,709	+	3.
Expenditure (includ	ing Writing	gs off. &c	:.)		£	4,020,992	3,957,354	+	63,638	+	1.
NET SURPLUS					£	120,900	53,829	+	67,071	+	124
ACCUMULATED LOSS—	-At end of	year			£	508,153	629,053	_	120,900		19.
Capital Expenditur	E—At end	of year			£	24.268,880	22,698,893	4-	1,569.987	+	6.
LOAN LIABILITY—At					£	19,422,927	19,242,265	4-	180,662	 -	1.
Reserves At end o	·				٤	6,449,707	5,672,343		777,364	+-	13.
ELECTRIC	ITV PROI	MCTIO	J ANI)	SAL	FS.						
CAPACITY (EFFECTIVE					kw.	211,000	199,000		12,000	4-	6.
Maximum Coincid				WER							
STATIONS		• •		• •	kw.	198,000	181,847	- <u>†</u> -	16,153	+-	8.
ELECTRICITY GENERA	TED		kV	Vlı.—ı	millions	897.9	836.6	-1	61.3		7.
ELECTRICITY SALES			kV	V h.—	millions	730 · 4	679.8	+-	50.6		7.
NUMBER OF CONSUM	ers					260,733	249,244	+-	11,489	+	4 ·
AVERAGE SALES PER					1 1171	1 090	1.704	: ,	4.4		0.
Overall (excluding Domestic	Bulk Supp	iies)			kWh. kWh.	1,838 566	1,794 540	+-	$\begin{array}{c} 44 \\ 26 \end{array}$	++	$\frac{2}{4}$.
AVERAGE PRICE PER	кWн Sor	D									
Excluding Bulk Su					d.	1.536	1.588	-	0.052		3.
Bulk Supplies				٠.	d.	0.633	0.638	_	0.005		0.
NUMBER OF CENTRES	SERVED					441	383	+	58	-+	15
Number of Farms 8	SERVED					4,367	3.426	+-	941	+	27
Motors Connected-						94.202	90,900		0.004		10
Number	• •					36,282 $245,697$	32,386 $227,903$	+-	3,896 $17,794$	+	12: 7:
Homan manage						240,007	221,903	-	11,179	+	,
Horse-power								1			
	*- *						110-1-	1			
Briquettes— Produced					tons	399,924	416,545	-	16,621		4
Briquettes—			 1938-3		tons	399,924 416,091		+-	16,621 $15,445$	+	

TWENTIETH ANNUAL REPORT.

The Honorable F. E. Old, M.L.A.,

Minister in Charge 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 Twentieth Annual Report of the Commission, covering the financial year ended 30th June. 1939, with Balance-sheet and Profit and Loss Account for the period.

FINANCIAL.

ANNUAL ACCOUNTS.

The net surplus for the year was £120,900, compared with £53,829 for 1937–38. This amount is declared after providing for all the usual annual charges, including depreciation, sinking fund, provident fund, loan flotation expenses, administration of the Electric Light and Power Act, special provisions for research and experimental work, expenditure on war emergency and precautionary measures, &c., and an appropriation of £50,000 to contingency reserve. The surplus will be applied in the reduction of accumulated losses incurred in establishing the undertakings. Accumulated losses at the 30th June, 1939, were thus further reduced to £508,153.

In anticipation of satisfactory operating results, tariff reductions, to the extent of approximately £240,000 per annum, were introduced during the year. These did not operate in entirety until early in 1939, and the full effect upon revenue will not be experienced until the current financial year.

Revenue from electricity supply totalled £3,685,107, being an increase for the year of £145,133. Expenditure on account of electricity supply, exclusive of appropriations and special expenditure, amounted to £3,200,513—a decrease of £20,575.

Revenue from briquette sales, after accounting for stocks on hand, amounted to £377.022—a decrease of £17,612, and expenditure totalled £384,259, or a decrease of £8,873.

Losses on tramways were:—Ballarat £20,080, Bendigo £19,539, Geelong £23,307, making a total of £62,926, compared with a total of £57,522 for the previous year. Tramways revenue increased slightly by £3,097 to £78,664, but this was offset by increased wages rates and costs of materials which have adversely affected operating and maintenance expenditure.

The General Profit and Loss Account, Balance-sheet and Schedules of Fixed Capital, of Loans raised by the Commission and of Debentures guaranteed by the Commission are contained in appendices Nos. 1-4.

LOAN LIABILITY.

The total loan indebtedness of the Commission at 30th June, 1939, amounted to £19,422,927, including the liability to the State of Victoria (£17,220,994), Unemployment Relief Fund (£87,731), State Electricity Commission of Victoria Loans (£2,056,135) and Municipal Debentures (£58,067). In comparison with the previous year, the figures show an increase of £180,662 made up as follows:—

(1) Balance of State Electricity Commission Loan No. 4 (State	£
Savings Bank of Victoria, £800,000)	100.000
(2) State Electricity Commission Loan No. 5, £900,000—	
	$230,\!415$
(3) Discount on renewal loans (Treasury)	$5,\!296$
	005 511
•	335,711

Less £	£
(1) Reduction in indebtedness to State through National Debt Sinking Fund 117.671	
(2) Redemption of State Electricity Commission Loans	
(3) Repayment of second instalment of £100,000 borrowed for Tramway reconstruction 6.255	
(4) Redemption of Municipal Debentures guaranteed by the Commission 7.375	
(5) Repayment of discount and flotation expenses 4.928	155,049
Ę	180,662

It was necessary, pending flotation of Loan No. 5, to arrange an overdraft under the Commission's Borrowing Act. At the 30th June, 1939, the amount owing to the National Bank of Australasia Ltd. was £445,441; thus the total increase in capital liability was £626,103.

RESERVES.

The Depreciation and Sinking Fund Reserves at the 30th June, 1939, totalled £5,856,513, an increase of £617,580 for the year. Of the total, £984,492 was to the credit of the Commission in the National Debt Sinking Fund, £4,803,472 to the credit of the Depreciation Fund (which is invested in the business of the Commission), £56,280 to the credit of the State Electricity Commission Sinking Fund, and £12.269 to the credit of the Commission in the National Recovery Loan Fund Reserve.

As a further provision for unforeseen happenings of a major nature, an appropriation of £50,000 was made to the Contingency Reserve. This reserve is invested outside the business in trustee securities.

The Reserve for Bad Debts increased by £2.191, being the excess of the provision of one-eighth of 1 per cent, of revenue over the actual amount of Bad Debts for the year.

CAPITAL EXPENDITURE.

After deductions for retirements and the writing out of non-productive expenditure, the total expenditure on Capital Works increased by £1,569,986. To meet this expenditure, the capital liability has been increased by £626,103. the balance being provided mainly by the use of the Commission's Depreciation Funds.

The principal increases were in the following Accounts:-

							£
Coal Supply We	orks						63,032
Briquette Factor	y						19,002
Power Stations-	_						
XX 11							156,128
${f Newport}$							470,192
Kiewa							59,479
Transmission La	ines—						
Newport to	Brunsw	ick					27,067
Wangaratta	to Mt.	Beauty					62,758
Metropolita							$50,\!135$
Provincial a	and Cou	ntry Bra	nches			٠.	124,399
Terminal Station	<i>is</i>						
$\operatorname{Richmond}$							30,849
${f Brunswick}$							$66,\!416$
$\operatorname{Geelong}$				• •			18,900
Transmission Su	ıb-station						
${f Metropolita}$	n Are a						27,899
Distributing Sys	tem						
Metropolita		ı					92,152
Provincial a							1 MO 001
Township—							,
Yallourn							73,319
Lanoam	• •		• •	• •	. •	• •	, 5,510

RESERVE FUNDS.

Sinking Fund (£3,074): Amount invested by municipalities toward redemption of debentures guaranteed by the Commission. The amount will be available to the Commission upon redemption of the debentures.

Contingency Fund (£220,264): Investment of the Contingency Reserve to date, plus interest accrued.

EXPENDITURE TREATED AS IN SUSPENSE.

The two major items under this heading are:—

Overburden Removal and Disposal—£306,573.—This account was reduced by £6,082 during the year, representing the difference between the cost of removing overburden for the period and the amount charged from this account to Coal Winning.

Loan Flotation Expenses—£230,345.—An additional charge of £5,296 was incurred during the year, and in accordance with usual practice £18,840 was written off.

FLOTATION OF PUBLIC LOAN—£900,000 AT 41 PER CENT.

For the first time since its inception, the Commission on the 15th June, 1939, offered a loan for subscription by the Australian public. Despite financial stringency existing at the time, the loan, which was issued at par with a currency of ten years, was a marked success. Three days before the closing date, it was over-subscribed, the total applications being 1,963, in 1,918 of which the amount applied for was allotted; 1,758 applications were from within the State of Victoria and represented 80 per cent. of the total loan. The amount received under applications at 30th June, 1939, was £230,415.

TARIFF REDUCTIONS.

The table given below shows that the average price to consumers per kilowatt-hour sold in the areas served by the Commission is now 42 per cent. lower than it was in 1924–25, the earliest year for which comparable figures are available. For an increase in consumption of 280 per cent. revenues have increased by 121 per cent. The 42 per cent. represents a saving to consumers of £2,150,000 for 1938–39 if the rates of 1924–25 be applied to last year's consumption. To this amount reductions in tariffs have directly contributed £599,000. The balance is the automatic result of price reductions which, as consumption increases, follow under the form of tariffs used by the Commission. The following is the comparison between the returns for 1924–25 and 1938–39:—

	Year.		Total Retail Sales in kWh.	Revenue.	Average Price per kWh. Sold.
1924-25 1938-39			124,536,000 473,032,000	£ 1,358,000 3,007,000	2·62d. 1·53d.
			Increase $348,496,000 = 280\%$	Increase 1,649,000 = 121%	Decrease 1.09d. = 42%

In the domestic class the reduction in the average price to the consumer per kilowatt-hour sold is 55 per cent. In this case, the comparison is made with the year 1925–26, this being the first year in which the consumptions of the various consumer classes were recorded separately:—

DOMESTIC CLASS.

	Year.		Total Retail Sales in kWh.	Revenue.	Average Price per kWh. Sold.
19 2 5–26 1938–39			26,583,000 122,134,000	£ 600,000 1,232,000	5·42d. 2·42d.
			Increase 99,551,000= 359%	Increase $632,000 = 105\%$	Decrease 3.00d. = 55%

REDUCTION IN TARIFF SCHEDULE RATES.

A feature of the year's activities was the announcement and putting into effect of the largest and most comprehensive scale of tariff reductions which it has been possible for the Commission yet to make at any one time. The reductions affect all standard tariffs and represent the following annual savings to consumers, based on the consumption at the time of the reductions:—

The metropolitan municipal undertakers adopted the revised retail tariffs, which resulted in a saving to their retail consumers of approximately £28,000 per annum.

In formulating the reductions the Commission found it possible to give practical encouragement to municipalities desirous of meeting the important growing demand for improved public lighting facilities necessary under modern traffic conditions. In addition to actual reductions in charges, amounting to approximately £20,000 per annum, and the introduction of advantageous rates for the modern electric discharge type lamps, a substantial improvement in public lighting was at once brought about by the substitution of 100-watt for all 60-watt and 75-watt lamps. This change, which involves the Commission in increased annual expenditure of £11,500, was made without increase in the charge for the lamps.

The nature of the reductions made during the year and the dates on which they became effective are as follows:—

RESIDENTIAL TARIFF:

All Branches--

Service charge—reduction of 1.0d. per room per month; Electricity charge—reduction of 0.1d. per kWh.; (Geelong 0.25d.). Maximum overall rate—reduction of 1.0d. per kWh.

COMMERCIAL AND INDUSTRIAL LIGHTING TARIFF:

Metropolitan Branch—

First block--reduced from 100 to 20 kWh.

Geelong Branch-

First block—reduced from 500 to 100 kWh.

First block-rate reduced from 5.5d. to 5d. per kWh.

Ballarat and Bendigo Branches-

First block—reduced from 200 to 100 kWh.

First block—rate reduced from 6.5d. to 5.5d. per kWh.

Second block---reduced from 300 to 200 kWh.

Second block—rate reduced from 5d. to 4.5d. per kWh.

Third block—rate reduced from 4d. to 3.5d. per kWh.

Country Branches-

First block—rate reduced by amounts varying from 0.5d. to 1.5d. per kWh. Second block—reduced from 400 to 200 kWh.

Second block—rate reduced by 0.5d. per kWh.

COMMERCIAL AND INDUSTRIAL POWER AND HEATING TARIFF:

Metropolitan Branch-

First block—reduced from 500 to 200 kWh.

Second block—rate reduced from 1.25d. to 1.2d. per kWh.

Fifth block—rate reduced from 0.75d, to 0.7d, per kWh.

Commercial and Industrial Power and Heating Tariff -continued.

Geelong Branch

First block—reduced from 500 to 200 kWh.

Second block---rate reduced from 1.65d. to 1.5d. per kWh:

Third block—reduced from 25,000 to 20,000 kWh;

Fifth block—rate reduced from 0.75d. to 0.7d. per kWh.

Ballarat and Bendigo Branches. .

First block—rate reduced from 3d. to 2.5d. per kWh;

Second block 300 kWh. transferred to third block.

Third block—rate reduced from 1.65d. to 1.5d. per kWh.

Fourth block-reduced from 25,000 to 20,000 kWh.

Sixth block—new block introduced, rate 0.75d, per kWh.

Country Branches -

First block—rate reduced by 1d. per kWh.

Second block-300 kWh. transferred to third block.

Third block—rate reduced from 1.7d. to 1.5d. per kWh.

Fourth block—reduced from 25,000 to 20,000 kWh.

Sixth block—new block introduced, rate 0.8d, per kWh.

COMMERCIAL AND INDUSTRIAL ALL-PURPOSES TARIFF:

All Branches

Reduced in accordance with the alterations made to Lighting and Power and Heating Tariffs shown above.

The minimum consumption provision in extra-metropolitan areas was also reduced.

COMMERCIAL COOKING TARIFF:

All Branches (other than Geelong) --

Rate reduced by 0.1d. per kWh.

Geelong Branch—

Rate reduced by 0.25d. per kWh.

WATER HEATING TARIFF (NIGHT RATE):

Metropolitan Branch---

Rate reduced from 0.375d, to 0.35d, per kWh.

Other Branches

Rate reduced from 0.5d. to 0.45d. per kWh.

(The foregoing alterations were effective as from:-

Metropolitan Branch-1st March, 1939.

Other Branches 1st February, 1939).

METROPOLITAN BULK SUPPLIES:

The rate per kWh, of the standard bulk supply tariff was reduced from 0.2d, to 0.17d, as from 1st January, 1939.

PUBLIC LIGHTING:

All Branches-

- (a) Reduction of approximately 20 per cent. in the charge for all incandescent lamps of 100 watts and over.
- (b) Replacement of 60 and 75 watt lamps by 100 watt lamps without cost or increase in charge.
- (c) Abolition of differential rates for suspension fittings in country branches.
- (d) Revision of tariffs for electric discharge lamps.

(The alterations were effective from 1st October, 1938).

MISCELLANEOUS :

The towns of Lorne and Traralgon were transferred to a lower scale of schedule tariff as a result of increased developments.

Details of the standard tariffs available to consumers at 30th June, 1939, are shown in Appendix No. 8.

COUNTRY ELECTRICAL DEVELOPMENT.

In the course of the development of electricity supply throughout country areas, the Commission from time to time has acquired local undertakings and merged them into the State system. This has made it possible to extend from many of the interconnecting feeders to rural townships and farming areas. At the present time, there are 441 centres throughout the State receiving supply from the Commission, the average number of consumers at each centre in the country being 136. The number of consumers in country areas increased during the year by 10 per cent. to 55,090.

Appendix No. 10 shows the country undertakings acquired and their increased development since the date of acquisition. For the 54 centres listed, electricity sales have increased ninefold, while the average price per kilowatt-hour sold has decreased from 8·27d. to 2·22d.

The principal rural extensions undertaken during the year were:

Provincial Branches-

Linton, Skipton, Smythesdale and Scarsdale (Ballarat).

Tandarra (State Rivers and Water Supply Commission) (Bendigo).

Batesford and Fyansford (Geelong).

Castlemaine Branch—

Trentham, Chewton, Elphinstone, Lauriston Reservoir, Rockbank, Sydenham and Talbot.

Eastern Metropolitan Branch-

Flinders.

Gippsland Branch—

Agnes, Brandy Creek, Tarago, Fish Creek, Port Franklin, Bennison, Welshpool, Jindivick, Flynn, Triholm, Poowong East, Gormandale, Bona Vista, Lardner, Drouin West and Willowgrove.

North Eastern Branch-

Eldorado Township, Eildon, Kiewa, Tangambalanga, Girgarre West, Nanneella, Lemnos, Seven Creeks, Katamatite and Milawa.

South Western Branch-

Penshurst, Willaura, Caramut, Hexham, Westmere, Chocolyn, Cobrico, Cudgee, South Purrumbete, Tesbury, Tandarook, Wangoom, Sister's Lane, Dunkeld, Jancourt, Kariah, Lake Bolac, Lake Gillear, Southern Cross and Woorndoo.

SALE OF ELECTRICAL APPLIANCES.

Although the Commission is free to sell electrical appliances in country towns and areas, it is prohibited by the *State Electricity Commission (Trading) Act* 1933 from selling such appliances in the metropolis and provincial cities.

During the year under review, the Parliamentary Public Works Committee re-examined this position and also investigated the desirability of the Commission and other electricity supply undertakings being empowered to install, erect and maintain service lines and electrical installations, and generally to arrange methods by which consumers could be financed in respect of the expenditure involved.

The Committee on 1st June, 1939, recommended to the Governor-in-Council that it is in the public interest to repeal the *State Electricity Commission (Trading) Act* 1933 and to restore to the Commission the power to trade in electrical apparatus within the prohibited boundaries. It also recommended that legislation should be introduced to empower all electricity supply authorities to—

- (a) supply, erect and finance, on such terms and conditions as they think fit, service lines, the cost of which is required to be borne by individual consumers; and
- (b) undertake, on such terms and conditions as they think fit, the installation and financing of electrical wiring and electrical fittings (not being electrical apparatus), and the repairing and reconditioning of such wiring and fittings.

The Commission has been advised of the Government's intention to introduce legislation at the appropriate time to give effect to the Committee's recommendations.

CO-ORDINATION OF STATE POWER PRODUCTION.

In connexion with the proposal of the Victorian Railways Commissioners to modernize their Newport "A" Power Station, the Commission directed attention to the question of converting this station from 25 cycle to the standard 50 cycle supply, the advantages being interchangeability with the State system, particularly in emergency, and savings in capital cost per kilowatt installed.

The Government decided that, as the proposal involved an immediate additional expenditure by the Railways Commissioners of £600,000 (the estimated cost of converting their distribution system to 50 cycle), the time was not appropriate for such a change, especially in view of the stated remaining useful life of these assets.

VISITS OF INSPECTION.

On several occasions during the year the Commissioners were accompanied by the Honorable the Minister in charge of Electrical Undertakings on their official visits to country areas of supply and on inspections of the Commission's works at Yallourn. Newport, and Richmond. The Electricity Supply Branches visited were:—

Geelong and South-Western Branch.

Gippsland Branch.

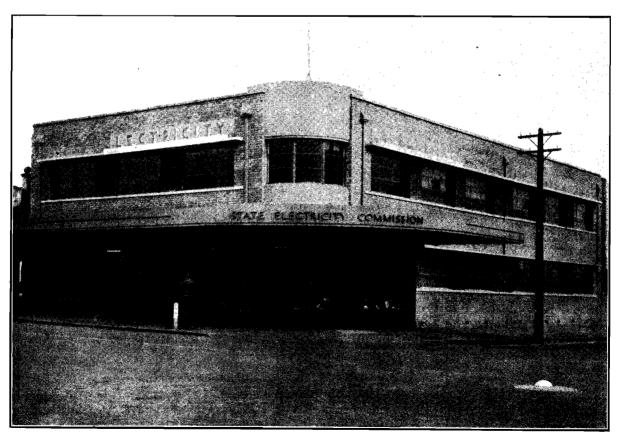
Eastern Metropolitan Branch.

North-Eastern Branch.

Metropolitan Branch.

In December last, new headquarters for the South Western and Gippsland Branches were officially opened by the Honorable the Minister in charge of Electrical Undertakings at Colac and Traralgon respectively. These new buildings provide office and show-room accommodation necessary owing to expanding activity.

In conformity with the policy of establishing permanent offices and show-rooms in provincial and country centres, new premises were erected at Shepparton. Frankston, Warragul and Lorne.



South-Western Branch Offices and Showrooms--Colac. Opened December, 1938,

PRODUCTION OF OIL FROM YALLOURN BROWN COAL.

The investigations, arranged by the Commission, into the hydrogenation of Victorian brown coal at the British Fuel Research Station at East Greenwich, London, have been completed and a report furnished by the Director of Fuel Research. The report is of a highly technical and scientific nature, but stated broadly the conclusions arrived at are:—

- (a) Brown coal is more readily and completely converted into oil than British black coals tested at the Fuel Research Station.
- (b) The yield of motor spirit of commercial quality is up to 50 per cent. of dry, ash-free coal.
- (c) First-class diesel oil is prepared by a secondary vapour phase treatment, cetene number 60.
- (d) Diesel oil has not been obtained from black coal under similar conditions.
- (e) The researches were not successful in producing lubricating oils. So far, such oils have not been produced by hydrogenating either black or brown coals.
- (f) The hydrogenation process is in a state of flux; new catalysts and new methods of catalyst manufacture are constantly being developed, with promise of greater throughputs and yields, longer catalyst life and wider range of products.

Facility of hydrogenation and rates of throughput, when compared with tests on black coals, furnish good grounds for the belief (supported by independent information of experience with large-scale English and European commercial plants) that the merits of Australian black and Victorian brown coals must be very seriously compared if hydrogenation of coal is to be undertaken in Australia. During several years of wide experience in hydrogenation of both black and brown coals in Germany and in England, the cost of a gallon or ton of petrol so derived has apparently not shown any appreciable variation; but increasing knowledge of technique is steadily leading at least to an improvement in the quality and range of commercial products.

Following a request from the New South Wales Government, the Commission loaned its experimental plant at the Fuel Research Station, to enable that Government to carry on its research programme concerning the production of oil from coal.

BUSH FIRES—JANUARY, 1939.

The widespread bush fires throughout Victoria during January last threatened several of the Commission undertakings, principally in the Yallourn, Rubicon and Kiewa areas, also at many points of its transmission lines and distribution systems.

While it would be exceedingly difficult to select particular individuals for commendation, the Commission must take this opportunity of registering appreciation of the actions of those of its personnel who were either located in stricken areas or who, living in metropolitan and unaffected areas, volunteered to assist in fire fighting. Many assisted in protecting Commission property at considerable risk to themselves and also aided in the rescue and transfer to safety of persons who were in perilous locations.

It is regretted that one employee of the Commission (Mr. J. Edney) lost his life in the fire in the Kiewa Valley.

The actual damage to Commission property at Yallourn, apart from forestry works, was restricted to fencing and a few minor assets, while, at Rubicon, the overhead lines were damaged and timber bridges and sleepers carrying the Rubicon–Royston trolley track were burnt. At the Junction Camp, Kiewa, tents, equipment, stores, &c., were lost, but the total value was not great. The total loss of property in all fire-affected areas was £7,100.

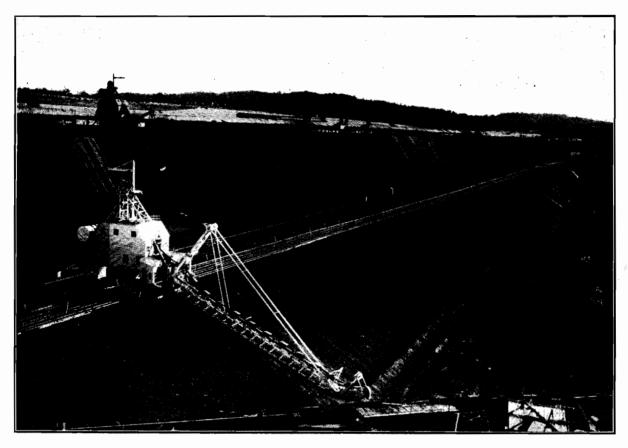
WAR PRECAUTIONARY MEASURES.

For some time prior to the outbreak of war, plans were being prepared to meet such an emergency and steps taken to increase the Commission's reserve stocks of imported items of essential stores and spare equipment. A survey of personnel had been made also, and the whole of the staff and employees classified in groups corresponding to the importance of their functions under war conditions.

With the commencement of hostilities, the formulation of plans was accelerated and immediate action taken to safeguard the Commission's assets. In co-operation with the Police Department and military authorities, guards were established at power stations, terminal stations, major sub-stations and in the Yallourn industrial area, which has been declared a prohibited place under the National Security Act.

COAL SUPPLY.

YALLOURN OPEN CUT



Developmental.—In accordance with the considered plan of development of the Yallourn coal workings, the pivot points of the coal faces have been changed from the west to the east end of the open cut, thus involving a re-arrangement of transport tracks and allied plant.

With the overburden working face pivoting at the eastern end, the major movement being at its western end, the face is gradually cutting into the high spur towards the briquette factory.

The railway to enable the overburden to be transported to the worked-out area of the open cut was completed, and is now available as an emergency outlet for coal transport from the lower coal level. This rendered unnecessary the retention of No. 1 ropeway.

Design is well advanced in connexion with the adaptation of the existing overburden plant for the purpose of depositing overburden spoil into the worked-out portion of the open cut.

Overburden Removal.—1.166,900 cubic yards of overburden were removed, compared with 1,188,900 cubic yards last year, bringing the total removed to 30th June. 1939, to 13,456,000 cubic yards. The area of the open cut increased from 275 to 295 acres at grass level, and from 250 to 270 acres at the surface of the coal.

Coal Winning.—Coal won during the year amounted to 3,643,490 tons compared with 3,597,048 tons last year. The total coal excavated from the cut since commencement of operations is 31,321,553 tons. Of the coal won during the year, 2,096,169 tons were delivered to the power station, and 1,547,321 tons to the briquette factory.

Boring.—Two exploratory bores situated immediately east of the junction of the main Gippsland and the branch railway lines to Yallourn were completed during the year. These proved a depth of 175 feet of coal, covered by a depth of 50 feet of overburden.

POWER PRODUCTION AND TRANSMISSION.

The Commission's generating system includes power stations at Vallourn. Sugarloaf-Rubicon, Newport, Richmond, and Geelong, all of which are inter-connected: terminal stations are located at Richmond, Varraville, Brunswick, Thomastown, Rubicon "A", and Geelong. The transmission system includes the lines from the power stations to the terminal stations, and from the terminal stations to the main metropolitan sub-stations, together with those interconnecting the main sub-stations. Electricity is transmitted to the Commission's various Electricity Supply Branches, and also to those Melbourne municipal undertakings which purchase in bulk.

The installed capacity of turbo-generators is as follows:—

Yallourn (Thermal), in	cluding Brid	quette F	actory	 195,000	kW.
Sugarloaf-Rubicon (Hy	vdro-electric	(l roup)		 26,415	kW.
Newport (Thermal)				 30,000	kW.
Richmond (Thermal)				 15,000	kW.
Geelong (Thermal)				 10,500	kW.
*Ballarat (Thermal)				 4,500	kW.

^{*} The Ballarat power station is operated independently of the main inter-connected system, and supplies the requirements of Ballarat and the adjacent centres.

The total effective generating capacity of all stations is 211,000 kW.

Details of the loading (a) on power stations throughout the State, and (b) on Commission's power stations are given in Appendix No. 7.

The following statement gives the comparison of (b) with the previous year:—

			Maximum Demand (kW.).		kWh. Generated (millions).	
	 		1938 -39.	1937-38.	1938-39.	1937-38.
Yallourn*	 		135,000	132,000	696.6	654.8
Sugarloaf-Rubicon	 		24,300	25,500	$103 \cdot 2$	85.6
Newport	 		19,600	18,600	$23 \cdot 9$	27.1
Richmond	 		15,200	15,300	26.8	24.7
Heelong	 		9,230	8,620	38.0	34.4
Ballarat	 		2,716	2,507	$9 \cdot 4$	8.3
Bendigo	 	:		1,290		1.7
			198,000†	181,847†	897.9	836.6

^{*} Including Briquette Factory. † Maximum co-incident demand.

The output from the Sugarloaf-Rubicon hydro group in 1938-39 exceeded that for the previous year, but, owing to continued dry weather, these outputs were considerably below average.

All generating stations operated satisfactorily.

MAJOR EXTENSIONS.

Yallourn.—The fourth 25,000 kW. set (approved as an addition to the 1928 plan) was placed in service in November, 1938, bringing the installed turbo-generator capacity of the station to 175,000 kW.

Newport "B."—Additional 30,000 kW. set and five boilers.—Two boilers were in service at 30th June, 1939; the remaining boilers and the 30,000 kW. set will be brought into operation at an early date.

During the year the Commission assumed control of the operations at its Newport "B" Power Station. This power station, forming part of the Commission's inter-connected group of power stations, was formerly operated by arrangement with the Victorian Railways Commissioners in conjunction with their Newport "A" station, which supplies electricity requirements for railway purposes.

Newport "C."—Preliminary design proceeded in connexion with the proposals approved by Parliament in 1937 for meeting the electrical requirements of the State by the installation, in progressive stages, of three 30,000 kW. sets.

KIEWA HYDRO-ELECTRIC SCHEME.

Actual construction work has commenced on the scheme to harness the Kiewa Rivers for power generation purposes. For several years, this will be one of the major works in progress for the extension of the State's generating resources. Located in the heart of the Australian Alps, it will consist of four power stations in series, operating under a total head of about 4,000 feet and with installed capacity of 117,000 kW.

To provide for access and transport of plant and materials, about 25 miles of new road are required, of which the first ten miles already have been constructed by the Country Roads Board, giving access to the site of No. 3 development, which is the first to be undertaken. This development will comprise a reinforced concrete dam a short distance below the junction of the Rocky Valley and Pretty Valley branches of the East Kiewa River, a rock tunnel about a mile long, and No. 3 Power Station containing two main generating sets of 12,000 kW. each, together with pipework, valves, and auxiliary plant.

Plans and specifications have been issued for these works and are also in preparation for the construction of the Junction dam. Designs for the tunnels, surge tank, and other works are well advanced, while specialized tunnelling plant is being assembled, together with equipment for the testing of concrete and other materials used on all works.

MAIN TRANSMISSION AND TRANSFORMATION.

When electricity is available from Kiewa, it will be received in Melbourne at a terminal station to be erected at Brunswick. Pending erection of this terminal station, it was necessary, in order to meet the growing requirements of northern suburbs, to proceed with portion of the permanent installation and to erect temporarily part of the switch-gear at this site. This enables inter-connexion with Thomastown and Richmond terminal stations and Newport Power Station by 66 kV. feeders which form part of the major scheme for the distribution of electricity when the extensions now proceeding at Kiewa and Newport Power Stations come into operation.

At Newport, 22–66 kV., 35,000 kVA. transformers were placed in service and supply made available at 66 kV. to Brunswick and Geelong terminal stations. The latter was supplied previously at 22 kV.

Installation of the second 30,000 kVA, synchronous condenser commenced at Richmond terminal station.

At Geelong, new 66–22–6.6 kV. transformers and associated switchgear were placed in service to meet the growing requirements of the area.

The 66 kV. line from Wangaratta to Kiewa was completed as far as Mt. Beauty.

ELECTRICITY SUPPLY.

ANALYSIS OF DEVELOPMENT.

Electricity sold increased by 50,617,827 kWh., or 7.5 per cent. The metropolitan area, including bulk supplies, contributed approximately 33,000,000 kWh. to the increase, due mainly to greater use of electricity by existing consumers. The remainder of the increase occurred in the provincial cities and country areas and is attributable to the greater use of electricity in centres already served, and to the extension of supply to new centres.

The following statement shows the increases in kWh. sold during the last five years:—

Year.				kWh.
1934 – 35	 	 	 	519,566,774
1935 – 36	 	 	 	578,103,971
1936-37	 	 	 	626,814,760
1937 - 38	 	 	 	679,808,810
1938-39	 	 	 	730,426,637

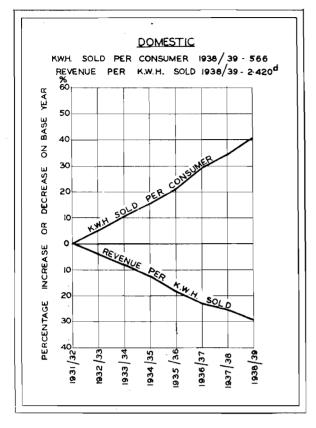
Domestic Class.—The following table shows the growth in the average yearly consumption of electricity per consumer for the last five years:—

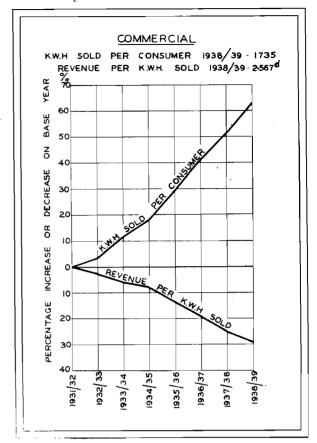
Year,			<i>I</i> ; 9q	verage Consumption r Domestic Consumer.	
1934 - 35		 	 		466 kWh.
1935 – 36		 	 		487 ,,
1936 – 37		 	 		520 ,,
1937 – 38		 	 		540 ,,
1938 – 39		 	 		566 ,,

Development of a night water heating load under promotional tariffs has contributed about 50 per cent. of the increase in the average domestic consumption during the last year.

Commercial Class.—The expansion (10.8 per cent.) in sales to commercial consumers has been general in character with special development in the illumination field. In addition to the increased use for display purposes, the modern conception of lighting as an integral portion of the design in buildings, shop fronts, show windows, and similar structures, together with methods of illumination based on scientific principles, is receiving wide acceptance.

The following graphs show the increased consumption and decreased cost to the consumers in the domestic and commercial fields over the past seven years.





Industrial Class.—There was an increase of 17,762 horse-power in motors connected to the system, including installations at new premises and extensions of existing plant, together with conversions from other forms of power. This increment is a large proportion of the new business available in the Commission's areas.

Satisfactory progress has been maintained in the electric heating field, and the applications of electricity are recognized as essential for many industrial heating processes. Local manufacturers have met a demand by developing a satisfactory range of the smaller types of electric furnaces, which has been of material assistance in obtaining this class of load.

Mining. At the end of the year, 61 consumers were taking supply for mining purposes. Their consumption, amounting to 13.3 million kWh., shows a satisfactory recovery from the temporary decline to 8.6 million kWh, recorded last year. A further increase is anticipated during the current year.

Rural.—The rural service section has continued its activities in bringing before rural industrialists and farmers the development of new and economic uses for electricity in that field. Gratifying results are seen in the increasing use of locally developed small water-supply pumping plants, dairy sterilization equipment, and electro-horticultural methods. Research in connexion with incubation, brooding, and egg-production has been continued with considerable benefit to the poultry industry. Further progress has also been made in electric sheep-shearing and orchard spraying. Pleasing features of this work have been the co-operation of many business and other organizations interested in rural activities, and the increasing interest of the farmer in the use of electricity as an aid to more efficient production.

Exhibitions and Demonstrations.—These methods of promoting the use of electrical appliances were actively pursued throughout the year. Many public demonstrations of electric cooking, and other domestic applications, were arranged. In country areas, these were supplemented at many agricultural shows by the portable rural and domestic appliance displays which have been developed for this field.

Among the special exhibitions for which the Commission provided displays were the Twentieth Century Exhibition, Melbourne, and the Geelong Centenary Manufacturers' Exhibition.

Educational Films.—The educational programme, embracing lectures, demonstrations, and the presentation of the Commission's sound films in the schools, was satisfactorily carried out throughout the year. In May. 1939, the first circuit of schools in the metropolitan area, and in country areas within the scope of the Commission's supply system, was completed. Continued public interest in the films has been evidenced by the number of screenings arranged at the request of various organizations. By the end of the year, a total of over 217,000 people had viewed the films.

Public Lighting.—In the last report, reference was made to the revolutionary change ideas throughout the world of what constitutes a satisfactory street lighting service.

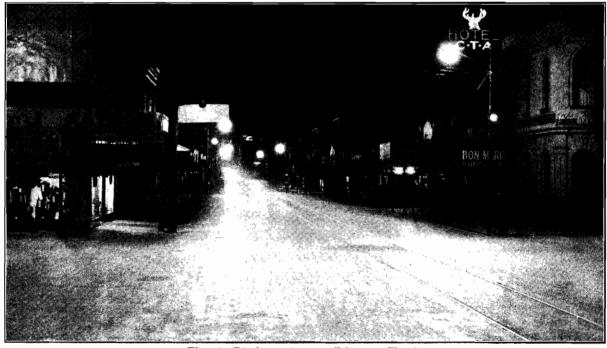
In Victoria, considerable progress has been made towards the objective of adequate "seeing" standards on important thoroughfares by night. In this work, the Commission has actively co-operated with other interested public bodies, including the Australian Standards Association, the National Safety Council of Australia, and the Illuminating Engineering Society of Australia (Vic.). Important results of this co-operation are the preparation of an Australian standard street lighting code, prescribing standards of illumination for the various classes of streets, and the establishment of a technical committee to conduct a survey, which is now in progress, of the lighting requirements of metropolitan traffic routes. The introduction of the new high-efficiency electric discharge lamps (of the mercury and sodium types) for public lighting purposes has had a marked influence on these developments.

The tariff reductions and modifications already mentioned have given a considerable impetus to the movement, and the result has been a very encouraging response by municipal At the end of the year, a number of important installations of electric discharge lighting had been decided upon. Of those completed and connected to the Commission's system to date, one of outstanding interest is at Ballarat and consists of sixty-six 400-watt lamps (mercury type) lighting two and a half miles of roadway (see photograph of section). Substantial installations at Collingwood and South Melbourne are nearing completion. Other recent Victorian installations are those established by the Box Hill and Brunswick City Councils.

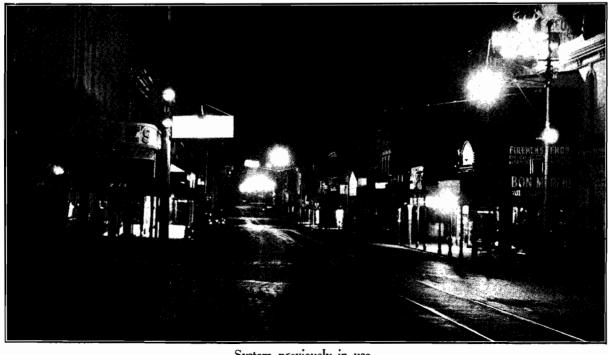
which make use of the mercury and sodium types of lamp respectively.

From experiences to date, there is justification for anticipating a steady advance in Victorian standards of public lighting within the next few years.

STREET LIGHTING-BRIDGE STREET, BALLARAT.



Electric Discharge Lamps (Mercury Type).



System previously in use.

COMMISSION'S ELECTRICITY SUPPLY UNDERTAKINGS FOR LOCAL DISTRIBUTION.

The following statistical data relating to the nine branches of the Commission's Electricity Supply Department are summarized from information contained in this Report:—

- (a) CONSUMERS increased by 11,447 (4 6 per cent.) to 259,852.
- (b) SALES OF ELECTRICITY totalled 480,888,283 kilowatt-hours, an increase of 35,989,025 kilowatt-hours (8 1 per cent.).
- (c) REVENUE totalled £3,036,747, an increase of £113,453 (3.9 per cent.).
- (d) NUMBER OF CENTRES served increased by 58, bringing the total to 441 centres 330 of which had no supply of electricity prior to the advent of the State system. During the year, two existing undertakings were acquired by the Commission.
- (e) NUMBER OF FARMS connected to supply increased by 941 to 4,367.

A map is included in this Report showing the extent to which Victoria is served by the State system. In amplification of the map, the following information is given:—

Metropolitan Branch.—This branch, comprising the seventeen municipalities previously under the franchise of the Melbourne Electric Supply Co. Ltd., together with Essendon, Flemington, Sunshine, Deer Park, portions of the Broadmeadows, Keilor, and Mulgrave Shires and the former Western Metropolitan Branch area—now consisting of Altona. Laverton, Metropolitan Farm, Point Cook, Werribee, and Werribee South,—covers an area of 160 square miles and serves 179.692 consumers.

The remainder of the Metropolitan area, including the City of Melbourne, is supplied by ten municipal undertakings, each receiving a bulk supply from the State system.

During the year, supply was extended to the Melbourne and Metropolitan Board of Works' Farm Township near Werribee, Laverton Township, Greenvale, Somerton, and Werribee South.

Beaumaris. Black Rock. Cheltenham, Mentone. Ashburton, and St. Kilda were converted to three-phase supply, while conversion is proceeding in Camberwell. Kew, Malvern. Hawthorn. Caulfield. Elwood. Prahran, Sandringham. Glenhuntly, Glen Iris, and Elsternwick.

The installation of 6.900 kVA, of static condensers in South Melbourne and the erection of a new main supply sub-station in Deepdene resulted in improved loading and voltage conditions in those areas.

Thirty-three distribution sub-stations (5,720 kVA.), 77·5 cable miles of 6·6 kV. overhead transmission lines and 28·1 route miles of low-tension overhead lines were erected during the year.

Ballarat Branch.—This branch covers an area of 69 square miles and serves 8,771 consumers in the City of Ballarat, the Boroughs of Clunes, and Sebastopol, portions of the Ballarat and Creswick Shires, and the Buninyong Riding of the Buninyong Shire. It includes the area previously supplied by the Electric Supply Co. of Victoria Ltd., and administers the local tramway undertaking.

Extension of supply to Linton, Skipton, Smythesdale, and Scarsdale was well advanced at the end of the year.

During the year, 59 consumers were changed to alternating current supply from direct current; 531 consumers remain on direct current, 2,360 consumers and 150 motors (642 h.p.) having been changed to standard alternating current since the acquisition of the undertaking on the 1st July, 1934.

Public lighting lamps in service increased from 988 to 1,064, and the connected load by 45.75 kilowatts to 142 kilowatts, largely as a result of the replacement of 38 lamps in Sturt-street by 66—400 watt electric discharge lamps (mercury type).

Fourteen distribution sub-stations (831 kVA.) were erected during the year,

Bendigo Branch.—This branch covers an area of 48.9 square miles, embracing the City of Bendigo, the Borough of Eaglehawk and portions of the Marong, Strathfieldsaye and Huntly Shires, and includes the area formerly served by the Electric Supply Co. of Victoria Ltd. The consumers connected total 7.378. The local tramway undertaking is administered by this branch.

High-tension supply in Bendigo was converted to 22 kV, from 6.6 kV, three 6.6 kV, sub-stations (450 kVA.) being replaced during the year. Seven 22 kV, sub-stations (1,050 kVA.) were erected, including three 200 kVA, sub-stations for the State Rivers and Water Supply Commission's pumping stations between Tandarra and Bendigo, and one 300 kVA, sub-station to provide for the increasing City demand. 22 kV, overhead transmission lines increased by 66.6 cable miles and distribution sub-stations by six (2.960 kVA.).

The removal of the 22-6.6 kV, transformer banks at the main sub-station and the re-erection of portion at a site in Hargreaves-street for the rotary converter station was commenced.

During the year satisfactory progress was made with the programme for low-tension mains reconstruction. Only three consumers are now dependent upon direct current supply.

Castlemaine Branch.—With headquarters at Castlemaine, this branch extends from Dunolly in the north to Keilor in the south, covering an area of 294·7 square miles, and supplies 5,289 consumers situated in 32 towns and localities.

During the year, transmitted supply was extended to Trentham, where the local undertaking, acquired on the 8th May, 1939, was closed down. Other extensions were to Chewton, Elphinstone, Lauriston Reservoir. Rockbank, Sydenham, and Talbot.

To cope with the increased loading in the branch, a new 66-22 kV. sub-station is being erected at Castlemaine and is expected to be placed in service during October, 1939.

Nine distribution sub-stations (840 kVA.) and 102 cable miles of 22 kV. overhead transmission line were erected during the year.

Eastern Metropolitan Branch.—This branch, with headquarters at Dandenong, serves 14,013 consumers located in 96 centres in an area of 403 square miles, bounded by Healesville and Whittlesea on the north, and Flinders and the seaside resorts along Port Phillip Bay to Portsea on the south. During the year an extension to Flinders from Red Hill was completed.

Conversion of the 6.6 kV. feeder between Oakleigh and Dandenong to 22 kV. operation was effected and three new sub-stations were erected in the Sorrento-Portsea area to improve voltage conditions in those localities.

New offices and showrooms were erected at Frankston.

Fifty distribution sub-stations (2,425 kVA.), 49·4 route miles of high-tension overhead transmission lines, and 35·7 route miles of low-tension overhead lines were erected during the year.

Geelong Branch.—This branch supplies an area of 96.66 square miles bounded by Lara on the north, Batesford on the west, Torquay on the south, and Queenseliff and Portarlington on the east, including the territory formerly served by the Melbourne Electric Supply Co. Ltd. In addition to serving 13,158 consumers, this branch administers the local tramway undertaking.

Satisfactory progress was made with the conversion of the northern area to 22 kV, operation. The western radial feeder has now been insulated for 22 kV, operation as far as the north sub-station and the eastern radial feeder is now operating at 22 kV, as far as Separation-street.

The erection of a 22-kV. 1.500 kVA. sub-station at the Bulk Wheat Terminal was proceeding at the 30th June.

The erection of Nos. 2 and 3 (6.6 kV.) tie feeders between the Geelong Terminal Station and the power station was almost completed, while the first section of a new 22-kV. line from the terminal station to the Bellarine Peninsula was completed as far as Yarra-street.

The townships of Batesford (13 consumers) and Fyansford (27 consumers) were connected to supply.

Negotiations for the acquisition of the electricity supply assets of the Geelong Harbour Trust Commissioners were completed. The Trust ceased to supply electricity to its tenants on the 30th June, 1939.

Gippsland Branch.—This branch, with headquarters at Traralgon, covers an area of 844 square miles, extending from Lakes Entrance on the east, to Tooradin on the west, and Inverloch and Port Franklin on the south, and supplies 12,206 consumers, located in 123 centres.

Extensions to Agnes, Brandy Creek, Tarago, Fish Creek, Port Franklin, Bennison, Welshpool (acquisition), Jindivick, Flynn, Triholm, Poowong East, Gormandale, Bona Vista, Lardner, Drouin West, and Willowgrove were made during the year, in addition to extensions to numerous rural localities. An important extension to a large rural area, embracing Mirboo North and Dumbalk North, is under construction at present.

In order to improve voltage regulation and high-tension operation in East Gippsland, a second circuit from Yallourn to Sale was erected.

The Tyers feeder was converted to 22 kV. three-phase operation from 6.6 kV. single-phase.

New offices and showrooms were erected at Traralgon (Branch Headquarters) and Warragul.

Distribution transformer sub-stations increased by 146 (3,171 kVA). 22 kV. lines increased by 403 7 cable miles.

Three additional sub-stations were placed in service at the Maryvale Pulp Mill, bringing the total sub-station capacity to the amount required by the Company (1.900 kVA.). Low-tension overhead lines increased by 72·7 miles.

North-Eastern Branch.—Serving 10,980 consumers, situated in 53 centres, this branch covers an area of 562 square miles, bounded by Cobram on the north, Tangambalanga on the east, Rubicon on the south, and Echuca on the west. Headquarters are at Benalla. In addition to the above, the New South Wales Municipal Councils of Albury, Corowa, Moama. Coreen, and Berrigan are given bulk supply from the branch transmission system.

Extensions completed during the year included those to the townships of Eldorado, Eildon. Kiewa, and Tangambalanga, and agricultural districts at Girgarre West, Nanneella, Lemnos, and Seven Creeks, while those to Katamatite and Milawa were in progress at the end of the year.

An extension of the bulk supply area was made by the connexion of the Berrigan township to that Shire Council's transmission system.

New offices and showrooms were erected at Shepparton.

The number of farms on supply increased by 110 to 579.

Thirty-five sub-stations (3,310 kVA.), 26.7 route miles of overhead low-tension lines, 215.4 cable miles (66 kV.), and 121.9 cable miles (22 kV.) of overhead transmission lines were erected during the year.

South-Western Branch.—This branch covers an area of 537 square miles with headquarters at Colac. There are 68 centres receiving supply in the area bounded by Willaura on the north, Winchelsea on the east, Lorne on the south, and Port Fairy and Penhurst on the west.

During the year, supply was extended to Penshurst, Willaura, Caramut, Hexham, Westmere, Chocolyn, Cobrico, Cudgee, South Purrumbete, Tesbury, Tandarook, Wangoom, Sisters Lane, Dunkeld, Jancourt, Kariah, Lake Bolac, Lake Gillear, Southern Cross, and Woorndoo.

New offices and showrooms were erected at Lorne and Colac (Branch Headquarters).

One hundred and ninety distribution transformer sub-stations (2,106 kVA.), 227.5 route miles of 22 kV. lines, and 37.5 route miles of low-tension reticulation (overhead) were erected during the year.

BRIQUETTE PRODUCTION AND DISTRIBUTION.

Production.—The output of briquettes from the factory was 399,924 tons for the year, representing a decrease of 16,621 tons below last year's production of 416,545 tons. The respective outputs of household and industrial briquettes were 107,644 and 292,280 tons.

The reduction in output was largely due to an extensive fire in December, 1938, which damaged portion of the cooling-house, and destroyed much of its contents. During the period of reconstruction the factory maintained production without the full use of the cooling plant, but output was necessarily considerably restricted.

Electricity generated at the factory amounted to 77,932,900 kWh., of which 57,543,600 kWh. were delivered to Yallourn Power Station; the balance was used in the factory process.

The factory operated continuously seven days a week for the whole year, including statutory holidays, with monthly stoppages of eight hours' duration for inspection and adjustment, and a shut-down for twelve days at Christmas for general overhaul.

The last annual report referred to the necessity of procuring certain space plant and, in accordance with that intention, orders have been placed for three additional tubular steel coal driers, each of 17,000 square feet heating surface, and accessory plant. For the first time, driers of this type are being manufactured in Australia.

The disc screen and Krämer mill furnace referred to in the last report have been installed and are now undergoing test runs.

Distribution.—

 Sales
 416,091 tons

 Revenue
 £377,022

 Expenditure
 £384,259

 Loss
 £7,237

All charges, including interest and depreciation, are covered by the expenditure.

The previous year's surplus of £1,501 has been converted into a loss of £7.237, this less favourable result being due to higher wages rates and reduced production.

YALLOURN TERRITORY.

Population.—The total population of the Yallourn territory at the 30th June was 3.907, of whom 2.906 are resident in the town.

Housing.—During the year 39 four-roomed houses were completed and occupied. bringing the total at 30th June, 1939, to 671 houses. In addition, 21 four-roomed and 5 five-roomed houses were in course of construction and tenders had been called for a further 22 four-roomed houses.

Boarding House.—The brick building to accommodate fifty-one boarders and situated at the corner of Parkway and Office Place was completed and is fully occupied.

Public Buildings.—A modern picture theatre and public hall suitable for meetings and musical and dramatic performances was erected in the Town Square and leased for a three-year period. Another new structure is St. Theresa's Roman Catholic Church. These buildings, besides fulfilling the needs of residents, form a decided addition to the civic amenities of Yallourn.

Abattoirs.--A cool store was added to the abattoirs.

Sewerage.—Satisfactory progress has been made with the preliminaries related to the sewerage scheme outlined in the last annual report. It is expected that construction will commence at an early date.

Hospital and Medical Services.—The high level of efficiency was maintained. The services are administered by the Yallourn Medical and Hospital Society and are financed by regular contributions from all employees. The services include a Health Centre in the Town, and approval has recently been given for the expenditure of £3,200 for the purpose of extending the building and the facilities of this phase of the Society's activities. The daily number of occupied beds at the hospital during 1938–39 was 29–3, compared with 25–7 in 1937–38.

With the passing of the Legislative Council Electors Act 1938, amending the Constitution Act 1928, the Legislative Council franchise has been extended to include residents of Yallourn who previously had no vote in Legislative Council elections.

TRAMWAYS.

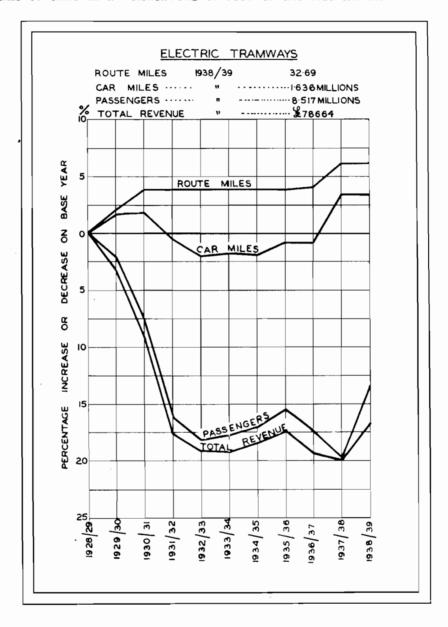
The total loss on the three trainway undertakings amounted to £62,926, as compared with £57,522 last year, an increase of £5,407 (9·4 per cent.)—the respective losses at Ballarat, Bendigo, and Geelong being £20,081, £19,539, and £23,307.

The total revenue was £78,664, an increase of £3,097 (4·1 per cent.) over last year as a result of the additional passengers carried at Ballarat (9·6 per cent.) and Geelong (10·6 per cent.). Expenditure amounted to £141.591 as compared with £133,089 last year, the increase of £8,502 (6·4 per cent.) being chiefly attributable to higher wages rates (all branches) and increased maintenance of tracks (Ballarat) and rolling-stock (Geelong).

The total passengers carried during the year represent an increase of 8.3 per cent. over last year. This is largely attributable to the Geelong centenary celebrations, the revised fare system introduced early in 1937–38 and improvements made to the rolling-stock.

Plans are being prepared for a subdivision with a view to sale of surplus land adjoining the Tramway Depot at Ballarat. The site is close to the Botanical Gardens and a portion of the land faces Lake Wendouree.

The accompanying graph shows the drift in tramway revenue and traffic since 1929. This drift is attributable to motor omnibus competition and the greater use of motor cars and cycles for transport, particularly from the home to the place of employment. The reduction in traffic has occurred notwithstanding that, during the period the tracks, the rolling stock, and the service generally were improved, the route mileage of the system increased, and fares were revised from time to time in an endeavour to recover the lost traffic.



INDUSTRIAL.

In recognition of past service by employees and the nature of the experience within its service, the Commission, on the 1st August, 1938, made a special service grant of 3s. and 4s. per week above award rates to all who had been employed continuously for periods of three and five years respectively; this grant also to be paid to employees who, in the future, have served the requisite period.

Leave regulations were amended to provide for annual leave being available to employees on the completion of one year's continuous service instead of two years, as formerly.

The Safety Council, established last year, has carried out investigations with respect to the best devices for the minimising of accidents, and has arranged for instruction of personnel in safety methods.

The disposition of Commission's wages employees at 30th June, 1939, was:--

	Operation.	Construction.
Power Generation	569	450
Main Transmission Lines, Terminal Stations and Sub-stations	225	599
Electricity Supply—Metropolitan Branch	347	140
Electricity Supply—Country Branches	301	281
Briquette Production and Distribution	412	3
Coal Winning—Yallourn	411	12
General Services and Workshops—Yalloum	504	5
General Services and Workshops elsewhere	688	. 99
Tramways—Ballarat, Bendigo, and Geelong	200	• •
Total	3,657	1,389
Grand Total	5,	,046

Alterations in base rates due to change in the cost of living figures added £37,253 to the Commission's expenditure during the year, while the additional expenditure resulting from new awards, increased margins, &c.. was £5,015, making a total increase at the rate of £42,268 per annum.

During the year, the number of indentured apprentices in all activities was increased, and reports of the progress of apprentices generally were satisfactory.

Appreciable improvement was made by the provision of new change rooms and locker rooms at various locations, including Coal Supply and Briquette Factory. Yallourn, and Briquette Depots in the metropolitan area.

PUBLIC SAFETY AND OTHER REGULATORY RESPONSIBILITIES.

Electric Light and Power Act 1928.—During the year, six new Orders in Council were approved by the Governor in Council, and granted to the following undertakers to supply electricity within prescribed areas:—

Order No.	Undertaker.	Área of Supply.
235	The Charlton Electric Light and Power Co., Ltd.	Township of Charlton and environs. (Current order No. 47 (1910) expires 8.12.40)
236	Mildura City Council	Rural district (including Merbein, Irymple, Redcliffs, Cardross, &c.)
237	Birchip Electric Supply Co. Ltd.	Township of Birchip and environs. (Current order No. 50 (1910) expires 7.3.41)
238	Wycheproof Shire Council	Two miles on both sides of railway line, extending from Wycheproof to Sea Lake, but excluding those towns
239	G. J. Harding and Co. Pty. Ltd.	Township of Heywood and environs (to 1½ miles from Post Office)
240	G. J. Harding and Co. Pty. Ltd.	Between 12 miles and 3 miles from Post Office, Heywood

The Governor in Council approved the revocation of Order in Council No. 121 issued to the Shire of Kyneton in respect of the Township of Trentham, that undertaking having been transferred to State ownership.

At the close of the financial year, 99 Orders in Council for the supply of electricity were in force. Of these 63 were issued to municipal councils (several of which operate under more than one Order) and 36 to companies or persons.

In the exercise of the Commission's functions under the above Act, 31 electrical undertakings were inspected and reported on during the year. In addition, special inspections were made of newly-installed generating plant and of routes for high-tension lines, while several complaints of unsatisfactory service and poor voltage regulation were investigated.

Licensing of Electrical Mechanics.—The totals of electrical mechanics licences renewed and issued during the period and in force at 30th June, 1939, were as follows:—

	Grade.		Licences Renewed for Year Ending 31st December, 1939.	New Licences Issued for Year Ending 31st December, 1939.	Licences Cancelled During the Year,	Licences in Force at 30th June, 1939.
				!		;
" A "			1,753	39	1	1,791
" B1 "			103	5	11	97
"В"			535	43	24	554
" C "			268	148	24	392
	٠.					

In addition, there were issued 397 permits to engage in electrical wiring work under certain conditions, for periods not exceeding six months, 271 being in force at the close of the year. Limited permits for periods not exceeding twelve months were also granted in respect of certain classes of electrical maintenance work. At the close of the year, 395 limited permits remained in force, including twenty-two issued to employees of electricity supply authorities to enable them to assist in the installation of earth leakage circuit-breakers at consumers' premises.

Two licensing examinations, each including theory and practice, were conducted during the year. Due to the increased recognition of technical school examinations in electrical wiring, the number of candidates has decreased.

Legal proceedings were taken against ten persons for breaches of the Licensing of Electrical Mechanics Regulations, and fines were inflicted in all cases.

Registration of Electrical Contractors.—The State Electricity Commission Act 1934 vests in the Commission certain powers and responsibilities in respect of the registration of electrical contractors. At the 30th June, 1939, 498 registrations in Class "M" and five in Class "P" were in force, sixteen registrations having been cancelled during the year for various reasons.

Convictions were recorded in six cases of unregistered persons undertaking electrical contracting.

Approval of Electrical Appliances and Equipment.—The Electrical Approvals Board, constituted under the State Electricity Commission Act 1934, carried out its functions continuously throughout the year. The constitution of the Board provides that, in rotation, two members shall retire each year. Under this arrangement, the terms of office of Mr. W. H. Stock, representing the Fire Underwriters, and Mr. A. W. Henderson, representing the workers in the Electrical Trade, expired during the year. Both Mr. Stock and Mr. Henderson were re-appointed.

The articles brought within the scope of the Act. up to the 30th June, 1939, include apparatus connectors, bread toasters, cord connectors, cord extension sockets, decorative lighting outfits, earth leakage circuit-breakers (Class I.), flexible cords, grillers, hand lamps, irons (hand), jugs, kettles and saucepans, lampholder adaptors, plugs and sockets, plug socket adaptors, portable immersion heaters, radiators, razors, soldering irons, and wall switches.

Since the appointment of the Board in December, 1934, 1,022 applications for approval have been received and 649 have been granted. During the year, one conviction was recorded in respect of the sale of unapproved articles.

Installation Inspections.—In order to ensure uniform application of the Wiring Regulations, close association was maintained with electricity supply authorities throughout the State. Large quantities of electrical apparatus, including luminous discharge signs, motor-operated petrol service pumps, &c... were examined at factories prior to installation and continued inspections maintained with respect to wiring installations in selected areas.

Convictions were recorded in fourteen cases for offences under the Wiring Regulations.

The methods used for protecting installations in the United States of America, New Zealand, England, and on the Continent, were investigated by Messrs. W. Thorn and A. T. Williams, engineers of the Commission and the Melbourne City Council respectively. Consideration is now being given to Victorian conditions, having regard to their report on overseas practice.

Electrolysis Mitigation.—The Electrolysis Committee, consisting of representatives of the Postmaster-General, Victorian Railways Commissioners, Melbourne and Metropolitan Board of Works, Melbourne and Metropolitan Tramways Board, Melbourne City Council, Metropolitan Gas Company, and the State Electricity Commission of Victoria, through the Electrolysis Research Engineer operating in conjunction with its Technical Sub-Committee, continued investigation of electrolysis conditions in the metropolitan area, and has instituted additional remedial measures. The maintenance of previously applied correctives has been improved by the special mobile testing equipment. Reports of faults continue to decrease, this being specially evident with regard to lead-covered cables. Special treatment is being considered for those outlying areas where increased corrosion on steel pipes has been reported.

Maintenance of mitigative measures previously instituted in the three provincial cities has been successfully continued, increased protection being found necessary at Ballarat during the year.

RE-APPOINTMENT OF COMMISSIONER.

Mr. Commissioner C. A. Norris, C.B.E., F.I.A. (London), was re-appointed by the Government as a Commissioner for a period of five years from 1st May, 1939.

STAFF

It is with pleasure and satisfaction that the Commission again records its appreciation of the loyal and efficient services rendered by the staff during the year.

- Mr. A. R. La Gerche, Architect, retired on 11th August, 1938, after eighteen years' service with the Commission and Mr. R. D. Dixon, General Superintendent, Yallourn, retired on 4th December, 1938, after a period of seventeen years' service. Both these officers have been closely associated with the establishment of the Commission's undertaking, particularly with the development of the works and township of Yallourn, and have, in their respective capacities, combined a skilful application of sound technical knowledge with marked administrative ability. Special minutes, appreciative of the distinguished work performed by these officers and their valued service, have been placed on the Commission's records.
- Mr. R. A. Hunt, who was the Commission's Resident Engineer at Yallourn, has succeeded Mr. Dixon as General Superintendent.

We have the honour to be,

Sir.

Your obedient servants,

- G. G. JOBBINS, Chairman.
- D. J. McCLELLAND, Commissioner.
- C. A. NORRIS, Commissioner.

ANDREW W. FAIRLEY, Commissioner.

W. J. PRICE.

Secretary.
10th November, 1939.

STATE ELECTRICITY COMMISSION OF VICTORIA.

Flectricity Supply— Purchased Power 38,764 4 2 Generation and Transmission 1,978,546 13 9		By Income—	d. £ s.
1,204,642 16		Supply 678,542 ply 124,819 chting 124,819 1,231,640 1,231,640	1 6 2 2
Deduct Cost of Power transferred to Works 21,440 8 8	3 900 513 5 6	_	10 7
Briquetting 271,517 13 8 Manufacturing 271,517 13 8 Distribution and Selling 210,474 17 9	·		4 01
Deduct Cost of Briquettes transferred to Works 97,733 5 7	384,259 5 10	3,902,815 13 Deduct Meters unread 30th June, 1938, and Service Charges received in advance 30th June, 1939	9 9
Tramways	141,590 10 8 26,551 11 4 18,280 0 0	Briquetting— Briquette Sales 395,737 10 Add Briquettes on hand 30th June, 1939 30,076 8	- 3,689,106-18 2 3
S	14 0	425,813 18 Deduct Briquettes on hand 30th June, 1938 48,791 8	- 6 6
reportion of Amount charged to Commission by Treasury in accordance with decision of Cabinet, 22nd July, 1922 Profit carried down	5,000 0 0 310,900 2 10	Tramways	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	4,141,892 10 11		4,141,892 10 11
Contingency Reserve Other Specific Reserves Special Writings Off	50,000 0 0 90,000 0 0 50,000 0 0 120,900 2 10	By Profit Brought Down	310,900 2 10
	310,900 2 10		310,900 2 10
Accumulated Deficit as at 30th June, 1938	629,052 14 4	By Surplus for Year	. 120,900 2 10 al 508,152 11 6
	£629,052 14 4		£629,052 14

STATE ELECTRICITY COMMISSION OF VICTORIA. GENERAL BALANCE-SHEET AS AT 30th JUNE, 1939.

LEABILITIES.				•	75 T	ASSET'S.			
Capital Liabilities—	'4	E x, d, E x, d.	Fixed Capital—					£ 8. d.	£ 8. d.
Victorian Government Advances—			('oal Supply Works	•		•	;	981.358 9 10	
	955 000		Brignetto Works					16	
	430,000		Power Stations	:	:	•	:	•	
1	,+90,000		Ctooks),	0 6 162 000 2	
	2,000,000		Jean	:	:	:	÷	0.000,020, 0.00	
:	000,970.		Hydro	:	:	:	:	<u>~</u> ;	
:	,447,000		Fransmission Lines	:	•	•		3,082,501 11 9	
: :	,569,500		Terminal Stations	:	;	:	- `	1,085,402 13 8	
	.841,000		Transmission Sub-stations	.:	;	:	:	₩.	
: :	.918,334		Distributing Systems	:	:	:	:	5,925,673 17 9	
7,1 3565	,750,000		Tranıways	:	:	:	:	346,595 3 5	
3606	2,050,000		Townships	:	:	•	:	637,868 0 2	
3831	874 000		(Seneral			•		826 959 5 11	
	1,000,000	•	Cartifolds Countries	:	•	:	: :	600,000,	
9994	.100,000		CHRIBSHER CORSTRUCTION	:	:	:	- :		
9889 · · · · · · · · · · · · · · · · · ·	240,000						;		
· 61	19 916 834							24,325,107 8 0	
			Deduct Proportion of cost	oę	tensions	extensions payable by ('on-	(,on-		
Expenditure under above Acts	2:	10.876.334 0 0	sumers	:	:	:	:	56,227 16 6	
Add Expenditure under Treasury Act No. 3598	-	1.250.000 0 0						6.	24.268.879 11 6
	:	=	Carront and Accessed Access						
	:	: =	Class and Actual Assets					?	
+1700	:	= 0	Casa	•	•	:	:	1 0	
3345	-	=	Sundry Debtors	:	•	:	:	x	
	:		Stores	:	•	:	:	6:1	
. :	:	[47,623 12 1	Advances	:	•	:	:	3.239 11 10	
:	`o_		Investments					•	
D.J. D. L 1	Ċ	- 0	Miscollanguis ('maga' and Accepted Assots	d According		:	•		
Deduct Redeemed or Cancelled Securities	:	x	Alisethaneous Culterie at	י וויייייייייייייייייייייייייייייייייי	613691	:	:	>	8 11 12 8
	21								
Advance from National Recovery Loan Fund	:	87,730 13 6	Reserve Funds—					٥	
Advance by Treasury from Public Account			Sinking Fund	:	:	:	:	3,074 6 8	
		: :2	Contingency Fund	:	:	:	:		
Mate Mentional Commission of Western Louis to 119 117	5		Ţ						7 71 000,022
Defined Defined Commission of Francisco 22,112,410	= =		Suspense—						
Detact treatestica of Califelial Detailles 30,230	=	5	Overhurden Removal and Disposal	d Disposal	:	•	:	0	
	; i		Preliminary Investigations		:	:	:	9,011 + 8	
Debentures (as per Schedule)	:	58.067 3 9 19.409 996 19 6	Chargeable Work	:	•	•	:	3,379 6 5	
Comment and Assessed 11-1000-2			Paid in Advance Accounts	± 5				σ.	
Current and Accrded Labourges—		-	Unamortised Loan Flotation Expanse	tion Evnans		•		10	
Sunary Creditors	:	102,847 1 7	III I D .	enodver non	· ·	:	:		
Sundry Creditors, Retention	:	J .	Work in Frogress	:-	:		:		
Consumers' Deposits	:	27,790 13 9	Amount charged to Commission by	q noissiuim	y Treasury	Ξ	aecordanee		
Service Charges received in Advance	:	85.941 + 1	with decision of Cabinet, 22nd July, 1922	et, 22nd Ju	ly, 1922	:	:	17,023 6 8	
Unclaimed Wages		110 611	Hospital and Health Centre, Yallourn	ıtre, Yallour		:	:	13	
Consumers' Advances for Construction		6 61 609 61	Miscellaneous	:	•	:	:	4+,101 8 10	
Other Deposits and Trust Moneys	: :	14.506 17 11	Accumulated Deficit as at 30th June, 1938	it 30th June	s. 1938	£629,052			
Interest Acerned		11 6 882 61	Less Surplus for year 1938–39	1938-39	:	120,900	으 주1		
Salaries and Wages Accumed		30 687 6 7						508,152 11 6	
Insurance Tolonhone Charges and Ronts Assured	:	19,697 0 0					ļ		1.175,171 14 8
Miscellengone Christian and Accused Lighting	:	2,007,007							
Mexican Dark of Angual at 121		: : : :							
TACTORISM DATES OF TAUSDICALED LIGHT,	:	**3.440 19 = 843.070 to to							
Reserves—									
Depreciation and Sinking Funds	,	5,856,513 10 3	э						
Contingency and other	:	569,000 7 9							
:		9							
	Į Ē								
		1 0 1						, "	00 21 700 212 0
		0 61 407(07)						~	2
$T_{1}^{(i)} = \{1, \dots, 1, \dots, 1$			110 610 9 - 1 - 1 - 1 - 1	10 mm	1.11 1.	the Dank	. 41. Ac.	I hoho!	4

There is a contingent asset and liability in respect of securities lodged as bona fides under Contracts to the extent of £42,017 18s. 5d., and held by the Bank on the Commission's behalf.

H. S. KILFOYLE, Chief Accountant.

ATHITOR CENERAL'S CERTIFICATE.

E. A. PEVERILL, Auditor-General. I certify that the absounts have been examined with the books and vouchers, and I am of opinion the Balance-sheet fairly exhibits a true and correct view of the undertaking at the 2nd October, 1939.

2nd October, 1939.

STATE ELECTRICITY COMMISSION OF VICTORIA. SCHEDULE OF FIXED CAPITAL AT 30th JUNE, 1939.

						Expenditure during 1938-39.	Expenditure to 30th June, 1939.	Total.	
Coal Supply Works—Yallourn						£ s. d. 8,338 1 6	£ s. d. 981,358 9 10	£ 981,358	s. 9
Briquette Factory—Yallou	rn	• •			••	24,783 2 3	1,293,526 5 9	1,293,526	5
Power Stations—Steam— Yallourn						238,723 14 7	4,469,756 4 2		
Newport "B"					• • •	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	821,590 1 10		
Richmond						393 4 2	227,101 17 8		
Ballarat Bendigo					:: !	$5,540 \ 17 \ 8$ $292 \ 10 \ 0$	39,559 5 9		
Geelong						5,374 7 11	330,513 13 7		
amer Stations Hudra S	ngorloof	Rubicov				424 19 6	812,735 13 1	5,888,521	3
ower Stations—Hydro—S	ugarioai-	-ivanicon		• •	••	+2+ 19 0	012,700 10 1	812,735	13
ransmission Lines— Yallourn to Yarraville	e and Ri	chmond				119 3 5	779,018 0 2	_,	
Newport to Yarraville	•						26,785 18 5		
Geelong to Yarraville Sugarloaf to Thomast		• •				2,633 13 11	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
Sugarloaf-Rubicon Ar							33,124 16 5		
Sugarloaf to Benalla							83,355 0 2		
Newport to Brunswic Thomastown to Bend					• •	58,606 17 3	58,606 17 3 93,333 5 1		
Metropolitan Area	 					61,707 5 6	654,574 9 3		
Ballarat Branch	• •					53 1 5	12,674 5 9		
Bendigo Branch Castlemaine Branch						$\begin{bmatrix} 5,751 & 17 & 7 \\ 6,560 & 10 & 3 \end{bmatrix}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
Eastern Metropolitan					::	11,690 9 6	188,531 7 6		
Geelong Branch						209 13 10	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
Gippsland Branch North-Eastern Branch	 1					$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	273,176 16 2 2 250,724 4 8		
South-Western Branel						57,839 0 1	247,127 8 2		
Metropolitan Branch	• •			• •			10,598 17 4	3,082,501	11
erminal Stations—						# 000 # D	578,340 1 8	5,082,501	' '
Yarraville Thomastown						$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$578,340 1 8 \\ 104,730 19 0$		
Richmond						2 17 7	247,253 9 8		
Rubicou Benalla	• •	• •	• •	• •			$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Benalla Mansfield					::		2,171 1 11		
Bendigo						47 11 4	27,913 2 11		
Geelong	••	• •	• •	• •		33,762 4 3	36,456 14 6	1,085,402	13
ansmission Sub-station Metropolitan Area	s			,		33,088 18 9	627,765 6 2	1,000,402	,
Castlemaine Branch						4,364 11 11	4,861 5 5		
Eastern Metropolitan						1,993 13 1	3,059 9 5		
Gippsland Branch North-Eastern Branch				• •	• •	Cr. 8,621 10 2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
South-Western Branch						2,534 10 5	59,460 0 3		
stributing Systems—								761.247	4
Metropolitan Branch		• •				186,336 1 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Ballarat Branch Bendigo Branch						$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	154,834 8 7 $132,194$ 15 4		
Castlemaine Branch	.· .					11,604 6 3	136,435 14 4		
Eastern Metropolitan Geelong Branch	Branch					$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Gippsland Branch						60,000 17 8	349,078 0 11		
North-Eastern Brane						32,395 18 9	273,227 2 7		
South-Western Branch Yallourn	n 					$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$212,095 \ 12 \ 1 \ 20,495 \ 18 \ 0$		
Brown Coal Mine					::	115 18 10	1,996 19 9		
amways								5,925,673	17
Ballarat	• •					4,890 2 4	95,560 8 7		
Bendigo Geelong						90 1 8	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
ownships—							.,	346,595	3
Yallourn						35,325 17 6	628,751 3 4		
Brown Coal Mine	• •			• •	• •		9,116 16 10	637,868	n
eneral—						19 #11 1 10	707,168 3 0	097,000	Ü
Metropolitan Branch Ballarat Branch						$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	28,423 10 8		
Bendigo Branch						642 7 0	12,500 9 10		
Castlemaine Branch Eastern Metropolitan	 Branch					$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$7,326 \ 11 \ 5$ $23,366 \ 1 \ 11$		
Geelong Branch						3,984 4 6	28,134 8 7		
Gippsland Branch						15,463 14 2 2,991 13 2	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
North-Eastern Branch South-Western Branch						$\begin{array}{cccccccccccccccccccccccccccccccccccc$	26,803 18 6		
Yallourn .						37,542 10 1	534,488 6 7		
Metropolitan Area	• •	• •		• •	. •	40,303 1 2	411,054 8 2	1,826,952	5
,,,						1,252,284 5 11	22,642,382 8 5	22,642,382	8
NEINISHED CONSTRUCTIO Beginning of year—I	N—- Deduct					1,040,934 8 3			
	v					211,349 17 8	22,642,382 8 5	22,642,382	8
NEINISHED CONSTRUCTIO End of year—Add	N					1,682,724 19 7	1,682,724 19 7	1,682,724	19
III of your III						1,894,074 17 3	24,325,107 8 0	24,325,107	
Deduct-Proportion of	Cost of	Extensio	ns pai	d by Cons	umers		56,227 16 6	56,227	
•						1 000 010 0	24 200 000 23 2	04.000.00	
						1,882,218 8 3	24,268,879 11 6	24,268,879	11

STATE ELECTRICITY COMMISSION OF VICTORIA.

LOANS RAISED UNDER THE AUTHORITY OF THE STATE ELECTRICITY COMMISSION ACTS Nos. 4087 and 4512.

Loan	No.				Original Issue.	Amount Subscribed to 30th June, 1939.	Rate.	Тегт.	Due.	Sinking Fund.	Redeemed to 30th June, 1939.	Outstanding at 30th June, 1939.
State Electricity Commission	n of 	Victoria	Loan No.	1 2 3 4 5	£ 600,000 382,000 100,000 800,000 900,000	£ 600,000 382,000 100,000 800,000 230,415*	0/0 31/2 32/2 4 37/8 41/4	Years. 20 20 15 10 10	1954 1954 1951 1948 1949	0/ 1 1 1 1	£ 30,000 15,280 3,000 8,000 56,280	£ 570,000 366,720 97,000 792,000 230,415

DEBENTURES GUARANTEED BY THE STATE ELECTRICITY COMMISSION OF VICTORIA.

Municipality	and Loan 2	No.	Actua Rate		. Original Issue.	Date of Acquisition.	Outstanding at Date of Acquisition.	Redeemed Since Date of Acquisition	Outstanding at 30th June, 1939
Rendig	o Branch.	'	0,0	0,	£		£ s, d.	£ s. d.	£ s. d.
Marong Shire . Eaglehawk Borough .				5 44 34	1,700 3,500 4,500	1.7.31 1.2.36	1,591 17 11 3,150 13 3 4,345 9 8	277 13 7 686 14 1 588 6 11	1,314 4 4 2,463 19 2 3,757 2 9
					9,700		9,088 0 10	1,552 14 7	7,535 6 3
	ine Brancl								
		Loan No.	$\frac{3}{3} = \frac{6\frac{1}{2}}{5\frac{3}{4}}$	41	$\frac{900}{12,000}$	$\frac{1.10.28}{1.10.29}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Newham and Wooder	d Shire	••	5 6 2 5	$\frac{1}{5}$	$\frac{3,800}{750}$	1.8.29	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccccc} 1,280 & 0 & 3 \\ 450 & 0 & 0 \end{array}$
., ., ,,		••	5 6	5	1,000	··.	1,000 0 .0		1,000 0 0
					18,450		16.446 10 7	5,486 2 5	10,960 8 2
Eastern Metr. Dandenong Shire		ranch. Loan No. 2	0 6	. 5	4,000	1, 10, 23	3,946 19 0	2,732 4 6	1,214 14 6
			4 61	5.0375	5,000	1.10.27	4,185 0 0	3,160 0 0	1,025 0 0
Frankston and Hastin	ngs Shire		$\begin{array}{ccc} 5 & 6 \\ 6 & 6 \end{array}$	5 5 0375	3,500 5,000	21.2.28	3,356 10 7 4,665 15 5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{bmatrix} 1,710 & 8 & 8 \\ 2,356 & 10 & 3 \end{bmatrix}$
			2 6	4 ½	8,000	1.4.33	6,215 0 0	1;465 0 0	4.750 0 0
			$\frac{3}{9}$ $\frac{6\frac{1}{2}}{5\frac{3}{4}}$	$4\frac{1}{2}$ 5	$\frac{2,000}{3,000}$		1,585 0 0 $2,728 11 2$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{bmatrix} 1,225 & 0 & 0 \\ 2.309 & 2 & 2 \end{bmatrix}$
1.01 1.1 (01.2			6 61	5·0375	3,000	1,4,25		986 11 1	1,883 1 6
			3 6	5 	1,200		1,200 0 0		1,200 0 0
., .,			6 ' 6 <u>1</u> 7 · 6	5 '0375 5	2,000 4,000		1,913 1 7 3,600 0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Mornington Shire .			$7 - 6\frac{1}{2}$	41/2	4,445	1.8.30	3,195 0 0	2,435 0 0	760 0 0
		,. 1	1 53	5	. 1,000	:	895 16 8	385 5 3	510 11 5
					46,145		40,356 7 0	19,356 10 10	20,999 16 2
	nd Branch	Loan No.	1 43	1.3		1,9,24	5 ee0 0 11) N=v 1 0	9 (01 10 9
		Doan No.	$\frac{1}{2}$ $\frac{4\frac{3}{4}}{5\frac{1}{2}}$	4 3 5	$\frac{6,500}{1,000}$	1, 37, 24	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{bmatrix} 3,601 & 19 & 3 \\ 416 & 0 & 1 \end{bmatrix}$
					7,500		6.537 6 6	2,519 7 2	4,017 19 4
	itan Branc								
		Loan No.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	43	. 1,600 1,000	10,4,24	818 1 5	516 17 2	301 4 3
,		••	4 . 1/2	1 0		· · · ·	856 16 2	486 19 10	369 16 4
	_				2,000	;	1.674 17 7	1,003 17 0	671 0 7
	stern Bran	ch. - Loan No	6 6	5	1,200	1,6,28	· · 1,200 0 0		1,200 0 0
,, .,			$3 + \frac{1}{2}$	+ 1/2	500		500 0 0		5 00 0 0
31 1 1 10 2		••	$\frac{8}{4} + \frac{6}{44}$. 5 43	$\frac{800}{4,200}$	1, 10, 31	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{bmatrix} 550 & 0 & 0 \\ 1,400 & 0 & 0 \end{bmatrix}$	250 0 0 1,200 0 0
,, ,,		••	7 . 7	$5^{5}425$	2,500		1,922 4 11	758 10 0	1,163 14 11
Rodney Shire . Rutherglen Borough .			$\frac{1}{2}$, $\frac{5}{4\frac{1}{2}}$	$\frac{5}{4\frac{1}{3}}$	3,000	1.10, 26 $15, 10, 26$	2,286 7 8	1,362 18 7	923 9 1
			4 6	5	3,000 350	13, 10, 26	2,094 3 8 296 1 8	1,521 6 11 153 4 5	572 16 9 $142 17 3$
Wangaratta Borough.			8 61	44	6,500	12,3,27	6,078 12 8	1,885 1 11	4,193 10 9
Yarrawonga Shire .			$9 \div 6 \\ 3 + 4$, 4½ 4	$\frac{1,500}{3,500}$	1,8,25	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	456 8 10 1,600 0 0	955 13 7
• •			4 4 1/2	4.}	800	1 .,	576 3 8	440 9 10	$1,000 0 0 \\ 135 13 10$
			5 5 6 5	4 1 4 1	500 500		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	258 12 6 240 3 2	$128 \ 18 \ 7$
,. ,, .		*,	,, ,,	T4 .	28,850	• • • • • • • • • • • • • • • • • • • •			165 18 6
CL W	D	.L		,	20,000		23,159 9 5	10,626 16 2	12,532 13 3
Hampden Shire .	tern Bran	ch. Loan No,	1 4	4	8,000	8, 1, 24	2,600 0 0	2,400 0 0	200 0 0
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transact Dames la		,,	I 4 1	14	6,500	1.12.28	4,000 0 0	3,000 0 0	1,000 0 0
Koron Dorongu .									
Koroit Borough .					16,000	:	7,450 0 0	6,100 0 0	1,350 0 0

^{*} Loan in process of subscription.

STATE ELECTRICITY COMMISSION OF VICTORIA.

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STATION ON	
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				•	TABULATION	Ö	CAPITAL, RE	REVENUE, AND	D OPERATING	IING ACCOUNTS	UNIS.			!	
					Capital.				Revenue.			Operating expenditure	7	+ Surplus.	- Deficit.
	Year ende	Year ended 30th June.		Capital Expenditure.	Loan Liability.	Reserves.	Electricity . Supply.	Briquetting.	Tramways.	Miscellaneous.	Total.	including Writings Off, &c.	Ye	Year.	To date.
				ट्मर	વ્ય	વ્ય	વ્ય	બ	અ	23	¥	વ્ય		⊶	ઞ
1922	:	:	:	843,846	1,760,121	:	20,698	:	:	:	20,698	70,654	-}	4	**
1923	:	:	:	3,891,718	4,212,719	13,992	225,481	:	:	:	225,481	225,502	1	21	+ 23
1924	:	:	:	6,234,213	6,522,482	22,532	392,999	:	:	19,798	412,797	471,282	10	58,485	-58,462
1925	:	:	:	7,759,825	8,293,765	43,936	617,286	40,468	:	41,602	699,356	963,638	98	264,282	322,744
1926	:	:	:	9,032,464	10,120,794	67,616	713,252	122,379	:	19,476	855,107	1,125,077	_ 26	269,970	-592,714
1327	:	:	:	10,742,104	11,849,698	262,942	975,362	179,184	:	16,124	1,170,670	1,367,324	61	196,654	- 789,368
1928	:	:	:	12,762,939	13,567,546	493,935	1,262,787	192,256	:	10,698	1,465,741	1,463,868	- ·	1,873	787,495
1929	:	:	:	14,530,684	15,126,107	833,618	1,427,751	226,186	:	7,858	1,661,795	1,657,181		4,614	- 782,881
1930	:	:	:	16,397,608	16,778,413	1,151,139	1,624,255	264,459	:	9,153	1,897,867	1,892,601	.+.	5,266	- 777,615
1931	:	:	:	18,553,592	19,286,428	1,593,462	2,234,756	276,930	30,971	2,236	2,544,893	2,562,846	-	17,953	795,568
1932	:	:	:	19,337,273	19.735,177	2,135,205	2,456,696	357,056	35,450	717	2,849,919	2,846,888	- .	3,031	-792,537
1933	:	:	:	19,667,259	19,668,146	2,823,912	2,577,547	313,435	34,180	97	2,925,259	2,921,830	÷	3,429	789,108
1934	:	:	:	19,748,318	19,109,659	3,332,096	2,717,992	309,936	33,510	7.4	3,061,512	3,028,393	~	33,119	755,989
1935	:	:	:	20,305,078	19,527,309	3,757,812	2,995,707	297,858	77,121	. 10,098	3,380,784	3,374,306		6,478	749,511
1936	:	:	:	20,866,242	18,806,748	4,380,047	3,164,703	348,650	78,207	8,180	3,599,740	3,572,012		27,728	721,783
1937	:	:	:	21,638,314	18,682,415	5,008,027	3,339,560	337,227	76,142	7,500	3,760,429	3,721,528	⇔	38,901	- 682,882
1938	:	:	:	22,698,893	19,242,265	5,672,343	3,539,974	394,634	75,567	1,008	4,011,183	3,957,354	ა. +	53,829	-629,053
1939	:	:	:	24,268,880	19,422,927	6,449,707	3,685,107	377,022	78,664	1,099	4,141,892	4,020,992	+ 12	120,900	- 508,153
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STATE ELECTRICITY COMMISSION OF VICTORIA.

Note Ended 30th June. Supple. Commission's Undertaking. Finds. Supple. Edition Edi	 89.—8	1				Kil	owatt-hours S	Kilowatt-hours Sold (Millions).				Average Revenue per kWh. Sold.	Revenue			Соп	mission's	Commission's Undertakings.	, s.		
National Column 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 1864 186		ear Ended 30	wh June.	!	Bulk		Commissi	ion's Undertak	dags.	!	Total Revenue.	Total,	Bulk	Population	i	1	kWhs. So	dd per Average).		1.7	umber of
The cost The cost				v.		Public Lighting.			Commercial.	Total.		Supplies.	Supplies Only.	of Area of Supply.			Domestic.	Total excluding Bulk).	Number.	e-i	Farms Supplied.
This state Thi	1932	:		:	52 112	11.026	60.047	151-935	28.876	966 : 80†	£ 2,453,586	d. 1 · 950	d. 0·642	824,000	181,042	0. 22	402	1,404		63,949	:
This column	1933	:		:	65 · 023	10.920	64 547	168 049	30 491	439 030	2,569,972	1.869	0.635	831,000	186,175		423	1,495		.69,646	1,069
Parketine Park	1934	:		1 :	78.449	$11\cdot 049$	604.07	180.811	33 734	474.452	2,709,064	1.821	0.622	880,000	192,969	9.12	446	1,564		73,699	1,196
Parketine Park	1935	:		 :	81 · 900	11.681	81 367	203-114	39 · 137	517.499	2,996,488	1.785	099.0	972,000	213,669	0.25	166	1,601		191,550	1,375
Parketines 1898 1900 1 2 10 10 10 10 10 10	1936	:		C.₹	11 · 004	11 975	89 630	219 996	44 · 231	576 836	3,164,086	1 705	0 644	972,000	225,534	53.5	487	1,663		204,503	1,970
Parkwitten Par	1937	:			20.031	$12\cdot 408$	†66÷001	240.551	49 - 372	623 - 356	3,331,934	1 632	0.643	984,000	235,942	0.45	520	1,746		13,667	2,615
Parketter, 1899 14 282 129 134 273 772 29 915 777 0 91 244 682,538	1938	:		:	11.988	12.950	$110 \cdot 597$	258 274	080. †2	688-119	3,528,396	1.588	0.638	1,018,000	249,244	24.5	540	1,794		227,903	3,426
Baraventes, 1939 Commission's EleCtricaty State Grand State Gran	1939	:		cs :	57 394	14 282	122 134	273 372	59.915	727 097	3,685,538	1.536	0 633	1,050,000	260,733	24·8	286	1,838	;	245,697	4,367
Pacaverres Pac	1 939 1938				47·444 33·215		: :		,	247 · 444 233 · 215	TTAN BUL 639,578 608,603	,		: : ;	: :	: :	: :	: :	: :	::	: :
type 1939 Colored 1 800 2 756 2 082 6 906 91,025 3 163 44,280 8,771 19 81 265 246 773 1839 771 19 81 240 779 1,41 772 24,68 57,72 84,034 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 3 5,494 <th>Metrop</th> <th>, Branche olitan</th> <th>. :</th> <th>- 68 88</th> <th>0 · 402 0 · 512</th> <th>11 756 10 861</th> <th>COMI 95 · 607 87 · 761</th> <th>MISSION'S 219 · 794 214 · 230</th> <th>ELECTRIC 38 · 304 35 · 201</th> <th>SC</th> <th>2,035,507 2,005,719 </th> <th>RTAKINGS 1 1 336 1 382</th> <th>-</th> <th>. •</th> <th>179,692 173,555</th> <th>26 41 26 20</th> <th>619 590</th> <th>2,067 2,039</th> <th>. —</th> <th>175,263 166,142</th> <th>21 17</th>	Metrop	, Branche olitan	. :	- 68 88	0 · 402 0 · 512	11 756 10 861	COMI 95 · 607 87 · 761	MISSION'S 219 · 794 214 · 230	ELECTRIC 38 · 304 35 · 201	SC	2,035,507 2,005,719	RTAKINGS 1 1 336 1 382	-	. •	179,692 173,555	26 41 26 20	619 590	2,067 2,039	. —	17 5,263 166,142	21 17
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rm Metropolitan 1939 1 247 6 446 6 587 3 548 1 7 228 3 194 1 2 2 6 3 6 4 1 2 4 1 2 2 8 3 194 1 2 2 6 3 6 4 1 2 4 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 6 3 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Bendig		: 91 91 91	 88 88	: :	0.412 0.358	1.502 1.374	3 075	1 · 763 1 · 645	6 · 752 8 · 122	75,465 81,826	2.682 2.418	: :	32,102 32,391	7,378 7.271	22 · 45	253 238	922	843 797	5,718 6,140	93 94
mg 1938 1 247 0 446 6 587 3 565 4 024 15 869 155 25 1 060 55,690 14,013 25 16 506 1,075 967 6,855 mg 1 050 0 326 3 776 2 659 1 2 1 06 55,690 13,158 24 1 9 570 983 3.08 1,750 mg 1 050 0 329 3 861 1 4 109 3 70 21 201 16,094 7 10 2 636 1 1,013 2 10 3.08 19,417 3.08 19,417 3.08 19,417 3.08 1,417 3.20 1,416 3.20 1,416 1,215 2.63 1,218 2.75 1,412 3.08 1,417 3.09 3.08 1,417 3.20 3.08 1,417 3.20 3.08 1,417 3.20 3.08 1,417 3.20 3.08 3.08 1,417 3.20 3.08 3.09 3.08 3.09 3.09 3.09 3.09 3.09 3.09 3.09	('astlen	naine	: 61 :9:		::	0.214 0.175	$\begin{array}{c} \textbf{1} \cdot \textbf{390} \\ \textbf{1} \cdot \textbf{118} \end{array}$	3.612 1.270	1.502 0.985	6.718 3.548	65,287 47,228	2 · 333	::	29,758 28,145	5,289 4,831	17.77 17.16	345 345	1,328 828	559 428	3,963 2,969	151 134
ng 1939 8 301 0 523 3 *66 14 *873 3 *769 22 *826 17 *85 15 *85 17 *86 3.089 19 *417 17 *86 3.089 19 *417 17 *86 3.089 19 *417 17 *86 3.450 12 *68 17 *86 22 *86 17 *86 17 *86 3.46 17 *13 2.684 17 *503 dand 1938 8 *801 0 *244 3 *320 5 *584 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14 *69 14	Easterr	n Metropoli		88	1 247 1 050	0 · 446 0 · 376	6. 587 5.776	3 565 2 · 659	4 · 024 3 · 521	15 869 13 382	155,229 140,094	2 · 457 2 · 636	1 · 060 1 · 062	55,690 53,897	14,013 13,038	25 16 24 19	596 570	1,075 983	967 848	6,855 5,910	994 892
Hand Base	Geelong	: :	: :	8 88	::	0.323 0.259	3 · 526	14 · 873 14 · 109	3 · 769 3 · 307	22 · 826 21 · 201	17 4,553 169,167	1 835 1 915	::	56,200 55,450	13,158 12,633	23 · 41 22 · 78	361 346	1,766 1,713	3,089 2,684	19,417 17,503	140 132
Bastern 1939 8 : 301 0 : 329 3 : 591 29 : 994 29 : 350 192,096 1 : 827 0 : 947 51,362 10,426 20 : 72 456 1,960 1,637 11,195 Western 1 : 938 7 : 211 0 : 279 3 : 960 1 : 546 1 : 540 1,647 10,426 20 : 34 4 : 18 1,549 1,417 10,039 Western 1 : 938 0 : 207 2 : 747 4 : 655 1 : 816 9 : 425 101,701 2 : 700 35,319 7,349 20 : 81 459 1,417 1,144 5,243 1 : 938 9 : 50 14 : 242 1 : 546 7 : 772 87,649 2 : 700 1 : 349 24 : 83 50 : 81 407 1,117 1,144 5,243 1 : 938 8 : 773 12 : 912 109 : 591 2 : 8 : 727 2 : 911,717 1 : 591 0 : 946 1,046,461 24 : 8.65 24 : 8.6 25 : 17.64 35. 27,764 35. 27,764 35. 27,764 35. 27,764 35. 27,764 35. 27,7	Gippsla	nd	190 193	38 38	::	0.290 0.244	3.982 3.320	6.908 5.584	2.387	13 ·849 11 · 535	146,317 128,127	2 536 2 666	: :	55,010 50,735	12,206 10,864	22 · 19 21 · 41	487 469	1,190 1.142	2,390 1,886	9,648 7.572	1,592 1,193
Western 1939 0-207 2-747 4-655 1-816 9-425 101,701 2-590 39,998 8,365 20-91 459 1,183 1,407 5,979 5.243 0-161 2-125 3-960 1-546 7-792 87,649 1-539 0-940 1,046,461 259,852 24-83 563 1,836 36,219 245,526 1938 8-773 12-912 109-591 2-38-274 53-177 442-727 2,911,717 1-591 0-958 1,013,746 248,405 24-50 537 1,792 32,332 227,764	North	Bastern	19 6	 88 88	8·301 7·211	0 · 329 · 0 · 279	3 · 591	14 · 135 9 · 580	2.994 2.671	29·350 22·810	192,096 167,883	1 · 827 2 · 145	0 · 922 0 · 947	52,985 51,262	10,980 10,426	20 · 72 20 · 34	456 418	1,960 1,549	1,637 1,417	11,195 10,039	579 469
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	South	Western	19 8	 68 88	::	0 207 0 161	2 · 747	4 · 655 3 · 960	1 · 816 1 · 546	9 425 7 7 792	101,701 87,649	2.590 2.700	::	39,998 35,319	8,365 7,349	20 · 91 20 · 81	459 407	1,183 1,117	1,407 1,144	5,979 5,243	739
	Total	:	•	88	9.950 8.773	! -	121 · 073 109 · 591	278 372 2 38 274	58 923 53 177		3,037,180 2,911,717	1 539 1 591	0.940 0.958	1,046,461 1,013,746	259,852 248,405	24·83 24·50	563	1,836 1,792		245,526 227,764	4,367 3,426

GENERATION OF ELECTRICITY. STATE OF VICTORIA. (a) ALL SUPPLY AUTHORITIES.

Authorit	ty. El Cor	State ectricity nmission.	Melbourne City Council.	١	ictorian	State Rai	lways.		ne Electric : Co. Ltd.	Electric & of Victo	Supply Co. oria Ltd.	Local Authoritie	s
Station	s. See	Below.	Spencer- street, Melbourne.		New	port "A.		Richmond.	. Geelong.	Ballarat.	Bendigo.	Centres no Served by	Total kWh Generated State of Victoria. (millions).
Year.		kWh. nillions).	kWh. (millions).	(1).		(2).	Total.	kWh. (millions).	kWh. (millions),	kWh. (millions).	kWh. (millions).	State Power System. kWh. (millions).	
1924-25		96 · 6	20.0	108	.0	152 · 7	260 · 7	25.3	18:0	4.0	3.5	14.2	442 · 3
1925-26		188 · 7	$17 \cdot 7$	74	8	163 · 7	$238 \cdot 5$	34 9	21 · 1	4 · 1	$3 \cdot 5$	13.5	522 .0
1926-27		284 · 2	14 6	27	0	169 1	196 1	38 1	30 · 3	4 4	3.6	14.9	586 · 2
1927-28		378 - 5	13 · 5	12	9	166 · 2	179 · 1	$4 \cdot 2$	30 · 3	5:0	4 · 2	15.6	630 4
1928-29		422 · 8	16.0	12	0	162 · 5	1 74 ±5		$32 \cdot 2$	$5 \cdot 3$	4 · 5	15.5	670 · 8
1929-30		461 2	17 · 1	11	3	164 · 7	176 0		27.3	5.1	4.5	15 · 0	706 2
1930-31		458 · 3	12 · 1	15	5	154 : 1	$169\cdot 6$		4 · 7	4.9	4 · 8	15 0	669 · 4
1931–32		504 · 9	12:3	9.	7	146 · 8	156 · 5	•		$4 \cdot 9$	5.0	15.9	699 · 5
1932-33		549 7	10.0	10	4	150 2	160 · 6			5.2	5 1	16 9	747 - 5
1933-34	:	590 · 0	14.7	10.	5	151 9	162 · 4			5.8	5.3	18:0	796 · 2
1934-35	' (620 · 7	23 · 9	35 ·	2	$156 \cdot 2$	191 · 4					$20 \cdot 0$	856.0
1935-36	7	716 2	35 6	12	2	159 1	171 3					21.5	944 6
1936-37		769 · 7	33 · 9	. 14	1	162 · 9	177 · 0					23.0	1,003 · 6
1937-38	8	836 · 6	$34 \cdot 7$	14	5	165 · 2	$179 \cdot 7$					25.6	1,076 - 6
1938-39	{	397·9	29 5	13	8	168 9	182 · 7					27 · 5	1,137 6
	-			(b) S	STATE	ELECT		COMMISSIO	ON OF V		-· ···		
Station.		M.D.			STATE		Sugarloaf-Rub	COMMISSIO	teelong.		Bend kWh.	M.D. kW (m	il- Coingi-
Station.	KWh. (millions).	lourn.*	Newpor	M.D. kW.	Rich kWh. (mil- lions). Sta acquir	ELECT	Sugarloaf-Ruh	oicon. (M.D. kW) (mill lions)	teelong.	Ballarat.	Bend kWh.	M.D. kW (m kW. lion ion ired 34. down	Th. M.D. kW. Coinci-
Station.	kWh. (millions).	M.D. kW.	Newpor	M.D. kW.	Rich kWh. (mil- lions). Sta acquir	M.D. kW.	Sugarloaf-Ruh kWh. (mil- llons). Static commet	oicon. (M.D. kW) (mill lions)	icelong.	Ballarat. Ballarat. kWh. M.D. (millions). kW.	kWh. (mil-flons). Stat acqui	M.D. kW (in lion lion lired 34. down 37.	Th. M.D. kW. Coinci-
Station. Year.	kWh. (millions).	M.D. kW.	Newpor kWh. (millions). Opera comm 12 · 10	M.D. kW.	Rich kWh. (mil- lions). Sta acquir	M.D. kW.	Sugarloaf-Ruh kWh. (mil- llons). Static commet	oicon. (M.D. kW) (mill lions)	icelong.	Ballarat. Ballarat. kWh. M.D. (millions). kW.	kWh. (mil-flons). Stat acqui	M.D. kW (m lior lived 34. down 37.	M.D. kW. Coincident.
Station. Year. 1924–25	kWh. (millions). Ope commutations	M.D. kW. eration menced 6 · 24.	Newpor kWh. (millions). Operation 12 · 16	(b) 5 1 "B." M.D. kW. action enced 1 23.	Rich Rich (mil- lions). Sta acquir recond Rest 6 · 5	M.D. kW.	Sugarloaf-Ruh kWh. (mil- llons). Static commet	oicon. (M.D. kW) (mill lions)	icelong.	Ballarat. Ballarat. kWh. M.D. (millions). kW.	kWh. (nillions). Stat acqui 1:7. Closed 31:12	M.D. kW (m)	M.D. kW. Coincident. 6 40,500 7 60,000
Station. Vear. 1924-25 1925-26	KWh. (millions). ()pecomi 15:43:2	M.D. kW. eration menced 6 · 24. 29,000	Newpor kWh. (millions). Operation 12 · 10 53 · 4 46 · 0 45 · 4	M.D. kW. action enced 1:23. 15,800 16,800	Rich Rich RWh. (mil- flions). Sta acquir recond Rest 6 - 5	M.D. kW.	Sugarloaf-Ruh kWb. (mil- illons). Static commet operat 14 · 3 ·	oicon. (M.D. kW) (mill lions)	icelong.	Ballarat. Ballarat. kWh. M.D. (millions). kW.	kWh. (nillions). Stat acqui 1:7. Closed 31:12	M.D. kw (m	M.D. kW. Coincident. 6 40,500 7 60,000 76,000
Year. 1924-25 1925-26 1926-27	KWh. (millions). Opecomm 15: 43:2 142:7 238:8	M.D. kW. sration menced 6 · 24. 29,000 61,000	Newpor kWh. (millions). Operacomment 12 · 16 53 · 4	M.D. kW. action enced 1-23. 15,800 19,800	Rich Rich (mil- lions). Sta acquir recond Rest 6 · 5	M.D. kW.	RICITY C Sugarloaf- Rub kWh. (mil- Illons). Static commet operat 14:3: 4:7:1	oicon. (M.D. kW) (mill fions)	icelong.	RWh. M.D. kW. Station acquired 1 7 34.	kwh. (nillions). Stat acqui 1:7. Closed 31:12	M.D. kW (m (m lior lived 34. down 37	**************************************
Station. Year. 1924-25 1925-26 1926-27 1927-28	kWh. (millions). ()pecomin 15: 43:2 142:7 238:8 319:7	M.D. kW. eration menced 6 · 24. 29,000 61,000 68,500	Newpor kWh. (millions).	M.D. kW. Action enced 1.23. 15,800 19,800 20,800	Rich KWh. (mil- lions). Sta acquir recond Rest 6 · 5	M.D. kW.	Static commet operat 14 · 3 · · · · · · · · · · · · · · · · ·	oleon. (M.D. kW) (mill lions on meed Stion au 28. 1	icelong.	Ballarat. Ballarat. KWh. M.D. M.D. kW. Station acquired 1:7:34.	kwh. (mil-flons). Stat acqui 1-7 Closed 31-12	M.D. kW (m	M.D. kW. Coincident. 6 40,500 7 60,000 2 76,000 8 7,500 8 95,500
Year. 1924-25 1925-26 1926-27 1927-28 1928-29	KWh. (millions). Opecomi 15 43 · 2 142 · 7 238 · 8 319 · 7 304 · 7	M.D. RW. Stration menced 6·24. 29,000 61,000 68,500 64.000	Newpor kWh. (millions). Operacomment 12 \cdot 10 0 45 \cdot 4 0 45 \cdot 4 0 49 \cdot 0 0 50 \cdot 8	M.D. kW. action enced 123. 15,800 19,800 20,800 20,000	Rich Rich (millions). Sta acquir recond Rest 6 - 5	M.D. kW.	Static commet operat 14 · 3 ·	olicon. C. M.D. kW. (mill fions) On need Scion ac 28. 1	on of Vicelong. b. M.D. c) kW. station equired cquired	Ballarat. Ballarat. KWh. M.D. M.D. kW. Station acquired 1:7:34.	kwh. (mil-flons). Stat acqui 1-7 Closed 31-12	M.D. kW (m (m lior lived 34. down 37	6 40,500 7 60,000 7 60,000 8 7,500 8 95,500 2 103,160
Station. Year. 1924–25 1925–26 1926–27 1927–28 1928–29 1929–30	KWh. (millions). Opecomil 15 43 · 2 142 · 7 238 · 8 319 · 7 304 · 7 310 · 6	M.D. kW. Pration menced 6 24. 29,000 61,000 68,500 64,000 62,500	Newpor kWh. (millions).	M.D. kW. ation enced 0 23. 15,800 19,800 20,800 21,000	Rich Rich	M.D. kW.	Static commet operat 14 3	On named 8 sion as 28. 1	Station equired 9:30.	Ballarat. Ballarat. KWh. M.D. M.D. kW. Station acquired 1:7:34.	kwh. (mil-flons). Stat acqui 1-7 Closed 31-12	M.D. kW (m	M.D. kW. Coincident. 6 40,500 7 60,000 2 76,000 8 7,500 8 95,500 2 103,160 3 109,013
Year. 1924-25 1925-26 1926-27 1927-28 1928-29 1929-30 1900-31	Walk (Millions). Ope coming 15. 43.2 142.7 238.8 319.7 304.7 310.6 251.9	M.D. RW. Pration menced 6·24. 29,000 61,000 64,000 62,500 61,000	Newpor kWh. (millions). Operation 12 · 10 53 · 4 46 · 0 45 · 4 54 · 1 49 · 0 50 · 8 38 · 4 9 · 8	M.D. ation enced 123. 15,800 16,800 20,800 20,000 19,800 19,800	Rich Rich	M.D. kW. ation red and litioned. tarted -29. 14,800 16,200	Static commet operat 14 · 3 ·	On heed 8 ion 28 1,500	ON OF VI teelong. 1. M.D. 2. kW. 3. kW. 4. Station equired (19 30	Ballarat. Ballarat. KWh. M.D. M.D. kW. Station acquired 1:7:34.	kwh. (mil-flons). Stat acqui 1-7 Closed 31-12	M.D. kW (months) (mon	6 40,500 7 60,000 7 60,000 8 75,500 8 95,500 103,160 3 109,013
Station. Year. 1924–25 1925–26 1926–27 1927–28 1928–29 1929–30 1900–31 1931–32	WalkWh. (millions). Opecomil 15: 43:2 142:7 238:8 319:7 304:7 310:6 251:9 320:1	M.D. kW. Pration menced 6 · 24. 29,000 61,000 62,500 61,000 79,500	Newpor RWh. (millions). Operations 12 · 10 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 · 0 16 ·	M.D. kW. ation enced) 23. 15,800 16,800 20,800 20,000 21,000 19,800 18,800	Rich Rich	M.D. kW. ation red and litioned. tarted 5-29. 14,800 15,520 15,000	RICITY C Sugarloaf- Ruh kWh. (mil- lions). Static commer operat 14 · 3 ·	On need 8 ion ac 28. 1	Station equired -9:30.	Ballarat. Ballarat. KWh. M.D. M.D. kW. Station acquired 1:7:34.	kwh. (mil-flons). Stat acqui 1-7 Closed 31-12	M.D. kW (m kW. lior lived 34. down 37	6 40,500 7 60,000 7 60,000 8 75,500 8 95,500 103,160 3 109,013
Year. 1924-25 1925-26 1926-27 1927-28 1928-29 1929-30 1900-31 1931-32 1932-33	Val kWh. (mil- lions). Ope comi 15: 43·2 142·7 238·8 319·7 304·7 310·6 251·9 320·1 386·2	M.D. RW. Paration menced 6·24. 29,000 61,000 64,000 62,500 61,000 79,500 88,000	Newpor kWh. (millions).	M.D. kW. ation enced 10 23. 15,800 16,800 20,800 20,800 21,000 19,800 14,400	Rich Rich	M.D. kW. ation red and litioned. tarted 5-29 14,800 15,520 15,000	Static commet operat 14 · 3 ·	OMMISSIO John M.D. kWilliams On M.D. kwilliams O	Station equired 9:30. 5 5.570 6,510 6,660	kwh. M.D. kw. Station acquired 1 7 34.	kwh. (mil-flons). Stat acqui 1.7 Closed 31.12	M.D. kW (more fired states and states are fired states ar	7h. RW. Coincident. -6 40,500 -7 60,000 -2 76,000 -8 95,500 -2 103,160 -3 109,013 -9 116,959 -7 123,404
Year. 1924-25 1925-26 1926-27 1927-28 1928-29 1929-30 1900-31 1931-32 1932-33 1933-34 1934-35	WalkWh. (millions). Opecomn 15: 43:2 142:7 238:8 319:7 304:7 310:6 251:9 320:1 386:2 429:3	M.D. kW. Stration menced 6 · 24. 29,000 61,000 62,500 61,000 79,500 88,000	Newpor kWh. (millions). () peracomment 12 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10 16 · 10	M.D. kW. Action enced 1.23. 15,800 16,800 20,800 20,000 21,000 19,800 14,400 18,500	STATE Rich kWh. (mil- lions). State acquir recond Rest 6 · 5 3 · 5 21 · 9 26 · 6 25 · 7 22 · 5 22 · 6 56 · 5	M.J. kW. Ation red and litioned. tarted 5·29. 14,800 15,520 15,000 15,120	8tatic commer operat 14 · 3 ·	On Sicon. (Commission Commission	Station equired -9:30. 5 5,570 6 6,510 6 6,690 8 6,980	kwh. M.D. kw. Station acquired 1 · 7 · 34.	kwh. (nill-lions). Stat acqui 1.7 Closed 31.12	M.D. kW (months) (mon	6 40,500 7 60,000 7 60,000 8 75,500 8 95,500 109,013 116,959 7 123,404
Year. 1924-25 1925-26 1926-27 1927-28 1928-29 1929-30 1900-31 1931-32 1932-33 1933-34 1934-35	Val kWh. (mil- lions). Ope- comm 15 43 · 2 142 · 7 238 · 8 319 · 7 304 · 7 304 · 7 310 · 6 251 · 9 320 · 1 386 · 2 429 · 3 310 · 8 487 · 6	M.D. RW. Stration menced 6·24. 29,000 61,000 64,000 79,500 88,000 93,000	Newpor RWh. (millions).	M.D. kW. ation enced by 23. 15,800 16,800 19,800 20,800 20,000 19,800 14,400 18,500 15,200	Rich Rich	M.D. kW. ation red and litioned. tarted 5-29. 14,800 15,520 15,000 15,120	RICITY C Sugarloaf- Ruh kWh. (mil- lions). Static commet operat 14 · 3 ·	COMMISSIO John M.D. kWi (mil lions	Station equired 9:30. 5. 5.570 6.510 6.560 7,930	Ballarat. RWh. (millions) M.D. kW. Station acquired 1.7.34.	KWh. (millions). Stat acquired 1.7 Closed 31.12	M.D. kW (m (m lior lived 34. down 37	M.D. RW. Coincident. 6 40,500 7 60,000 7 60,000 8 75,500 9 5,500 109,013 116,959 7 123,404 0 127,621 7 141,993 2 158,862
1924-25 1925-26 1926-27 1927-28 1928-29 1929-30 1931-32 1932-33 1933-34 1934-35 1935-36	Val kWh. (mil- lions). Ope coma 15. 43·2 142·7 238·8 319·7 304·7 310·6 251·9 320·1 386·2 429·3 310·8 487·6 531·2	M.D. RW. Stration menced 6·24. 29,000 61,000 64,000 62,500 62,500 93,000 91,000	Newpor kWh. (millions).	M.D. R. M.D. R	STATE Rich kWh. (mil- flions). State acquir recond Rest 6 · 5 3 · 5 21 · 9 26 · 6 25 · 7 22 · 6 56 · 5 29 · 9 25 · 3	M.D. kW. Ation red and litioned. tarted 5 29. 14,800 15,520 15,000 15,100	8 Static commet operat 14 3	COMMISSIO John M.D. kWilliams Dinaced Section according to the sectio	Station equired	Rallarat Rallarat	Rend	M.D. kW (months) (mon	6 40,500 7 60,000 7 60,000 8 75,500 8 95,500 103,160 3 109,013 9 116,959 7 123,404 0 127,621 7 141,993 2 158,862 7 173,300

STATE ELECTRICITY COMMISSION OF VICTORIA. STANDARD TARIFFS AS AT 30TH JUNE, 1939. (Applicable to Centres as Indicated in Appendix No. 9.)

	Metropolitan.	Geelong.	Ballarat and Bendigo.		Cour	Country.	
	. 1	?(27	2	9	2	x
RESIDENTIAL—TWO-PART TARIFE (Domestic and Commercial Residential Premises)— Service charge per month per assessable	11d.	1s. 2d.	18. 2d.	ls. 2d.	F. 3d.	ls. 5d.	Tariffs for the
Rate per kWh Maximum overall rate per kWh	0.9d. 5.0d.	1 · 25d. 8 · 0d.	1 · 4d. 8 · 0d.	1·4d. 8·0d.	1 · 1 d. 9 · 0d.	1 •4d. 11 •0d.	are the same as shown in Column
Commercial and Industrial Lighting—Block Tariff—rates per kWh. (based on monthly consumption)	First 20 at #d. Balance at 3d.	First 100 at 5d. Balance at 3·5d.	First 100 at 5·5d. Next 200 at 4·5d. Balance at 3·5d.	First 100 at 6 · 0d. Next 200 at 5 · 0d. Balance at 4 · 0d.	First 100 at 8·0d. Next 200 at 6·0d. Balance at 5·0d.	First 100 at 9 · 0d. Next 200 at 7 · 0d. Balance at 6 · 0d.	Residential Tariff, details of which will be supplied on parties.
Commercial and Industrial—Power and Heating— Block Tariff—rates per kWh. (based on monthly consumption)	First 200 at 2d. Next 4,800 at 1·2d. 20,000 at 0·9d. 100,000 at 0·8d. Balance at 0·7d.	First 200 at 2·25d. Next 4,800 at 1·5d. 20,000 at 1·0d. 100,000 at 0·8d. Balance at 0·7d.	First 50 at 2.5d. Next 150 at 2.5d. 4,800 at 1.5d. 20,000 at 1.0d. 100,000 at 0.9d. Ralboom of 0.75d.	First 50 at 3.0d. Next 150 at 2.25d. 4,800 at 1.5d. 20,000 at 1.0d. 150,000 at 0.9d. Ralance et 0.8d.	First 50 at 3·5d. Next 150 at 2·25d. 4.800 at 1·5d. 20,000 at 1·9d. 150,000 at 0·9d. 130,000 at 0·9d.	First 50 at 4d. Next 150 at 2-25d. 4,800 at 1.5d. 20,000 at 1.0d. 150,000 at 0.9d. Ralance at 0.8d.	Croydon Dandenoug Frankston Heathmont Mt. Eliza Ringwood
Prescribed hours—rate per kWh Rental for Two-rate meter per month	11 p.m7 a.m 0·3d.	10.30 p.m6.30 a.m 0.35d. 5s.	10.30 p.m6.30 a.m 0.35d.	10 p.m6 a.m 0.35d.	10 p.m.—6 a.m.— 0.35d. 58.	10 p.m.—6 a.m.— 0.35d. 5s.	Details regarding
COMMERCIAL AND INDUSTRIAL—ALL PUR- POSES— Block Tariff—rates per kWh. (based on monthly consumption)	First	First 100 at 5·0d. Next 900 at 3·5d. 4.000 at 2·25d. 20.000 at 1·0d. 100,000 at 0·8d. Balance at 0·7d.	First 100 at 5·5d. Next 200 at 4·5d. 700 at 3·5d. 4,000 at 2·25d. 20,000 at 1·0d. 100,000 at 0·9d. Releases	First 100 at 6.0d. Next 200 at 5.0d. 700 at 4.0d. 4,000 at 2.25d. 20,000 at 1.0d. 150,000 at 0.9d. Ralance of 0.8d.	First 100 at 8 ·0d. Next 200 at 6 ·0d. 700 at 5 ·0d. 4,000 at 2 ·25d. 70,000 at 1 ·0d. 70,000 at 0 ·9d. 70,00	First 100 at 9 · 0d. Next 200 at 7 · 0d. 700 at 6 · 0d. 4,000 at 2 · 25d. 20,000 at 1 · 0d. 150,000 at 0 · 9d. Ralance of 0 · 8d.	ing centres will be supplied on re- quest:— Deer Park Kilsyth Montrose
Prescribed hours—rate per kWh. Minimum monthly consumption outside prescribed hours (see Note (2) below) Rental per Two-rate meter per month	11 p.m7 a.m.— 0.3d. 1,000 kWh. 58.	10.30 p.m6.30 a.m 0.35d. 1,000 kWh. 58.	10·30 p.m6.30 a.m 0·35d. 1.000 kWh.	10 p.m6 a.p0.35d. 1,000 k.Wh.	10 pm6 a.m.— 10 pm6 a.m.— 1,000 kWh.	10 pm16 a.m 10 pm16 a.m 0.35d. 1,000 kWh.	Lata Lata Werribee South St. Albans.
Maximum Demand Tariff (see Note (3) below)	29 10s. per kW. per annum 0.225d. per kWb. 500 kW. (Minimum Demand Charge) Reset Monthly						
COMMERCIAL COOKING—Flat Tariff per kWh.	0.9d.	1·25d.	1·4d.	1.4d.	1.4d.	1 · 4d.	
WATER HEATING—Night Tariff per kWh.	11 p.m.–7 a.m.– 0·35d.	10.30 p.m6.30 a.m	10.30 p.m6.30 a.m	10 p.m6 a.m.— 0·45d.	10 p.m6 a.m 0·45d.	10 p.m6 a.m 0·45d.	
MINIMUM CHARGE per month	2s. 6d.	38.	38.	3s. 6d.	3s. 6d.	3s. 6d.	
Nome 1 Paril 22. 412		A the Comment	Times to deliberation	oliomo oro deidamondulado	kla an regulest		

Nores.—1. Details regarding the application of the above tariffs are shown in the Commission's published tariff schedules which are available on request.

2. To be eligible for the prescribed-hours rate under the Commorcial and Industrial All-Purposes Block Tariff, a consumer must agree to pay for the minimum consumption indicated, at the rates applicable outside the prescribed hours.

3. The Maximum Demand 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.

STATE OF VICTORIA.

ELECTRICITY SUPPLY UNDERTAKINGS AT 30th JUNE, 1939. CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA.

 Municipality 	v or Cent	re.	Branch.	System of Supply.	Population.	Number of Consumers.	Tariff's as per Appendix No. 8 Column No.	Date Supply First Undertaken by Commission.
Mamo	OLITAN.							
Brighton .				A.C., 3 ph. and 1 ph				1.9.30
Broadmeadows (Far and portions of				A.C., 3 ph				1.8.22
and Pascoe Vale	only)							1
Camberwell . Caulfield				A.C., 3 ph. and 1 ph				$\begin{bmatrix} 1.9.30 \\ 1.9.30 \end{bmatrix}$
follingwood .				A.C., 3 ph		:		1.9.30
Essendon .			••	A.C., 3 ph		!		1.8.22 $1.9.30$
Fitzroy				A.C., 3 ph. •				1.9.30
Kensington/Flemin				A.C., 3 ph		1		1.8.22
Kew Ialvern			••	A.C., 3 ph. and 1 ph	673,518	178,331	l	$\begin{array}{ c c c c c c } & 1.9.30 \\ & 1.9.30 \end{array}$
lalvern				A.C., 3 ph				1.9.30
Joorabbin .				A.C., 3 ph. and 1 ph				$\begin{bmatrix} 1.9.30 \\ 1.9.30 \end{bmatrix}$
Iordialloc . Inlgrave (part) .				A.C., 3 ph				1.9.30
Dakleigh .				A.C., 3 ph		!		1.9.30
Prahran				A.C., 3 ph. and 1 ph				1.9.30 $1.9.30$
Richmond . St. Kilda .				A.C., 3 ph A.C., 3 ph. and 1 ph				1.9.30
andringham .				A.C., 3 ph. and 1 ph				1.9.30
South M elbourne . Sunshine				A.C., 3 ph A.C., 3 ph				$\begin{bmatrix} 1.9.30 \\ 1.3.27 \end{bmatrix}$
sunstance .				A)			7
	ARAT.	110 de	Ball.	1/1 2 ml	\			
ity of Ballarat (ii Ballarat East, I			Dan.	A.C., 3 ph				
Brown Hill, Ca								
- Pleasant) Borough of Sebaste	wal			A.C., 3 ph	39.930	8.270	3	1.7.34
Ballarat Shire (We		only)	.,	A.C., 3 ph				IJ
,		. ,						
BEN Sity of Bendigo	DIGO. Tincludii	ng Golden	Bend.	A.C., 3 ph)			1.7.34
Square, Long Gul								
Borough of Eagleh			••	A.C., 3 ph	 	7,378	3	$\begin{vmatrix} 1.10.35 \\ 1.7.34 \end{vmatrix}$
Huntly Shire (Port Jarong Shire (Port				A.C., 1 ph A.C., 3 ph	> 32,102 	1,010		1.7.34
Kangaroo Flat)						1		,,
Strathfieldsaye Shir	re (Porti	on only)	,.	$\frac{1}{2}$ A.C., 3 ph	J			J 1.7.34
GEE	LONG.			!				1
fity of Geelong .			Geel.	A.C., 3 ph)			j]
Sity of Geelong W	est			D.C., 3 wire A.C., 3 ph.				
Newtown and Chil-	well		'	A.C., 3 ph.	10.000	11.00=		1 0 20
Corio Shire (Nort Shore and Fyans			• • • • • • • • • • • • • • • • • • • •	A.C., 3 ph	003,64	11.665	<u>.</u>	+ 1.9.30 (Fyansfor
*							1	10.10.38
South Barwon Shir		ont, Grove-	,,	A.C., 3 ph				
· dale and Highto Bellavine Shire (St		only)		1. A.C., 3 ph				IJ
,		• /	:	i i	,			
Cou	NTRV.						į .	
Acheron			N/E.	A.C., 1 ph	65 100	. 15	7	24, 11, 37
			C4 (13.7)	A.C., 1 ph A.C., 1 ph. (230 V. only)	30 100	17	7 7	1.11.38 $24.12.36$
Airly			Gipps.	A.C., 1 ph	100	29	7	16,6.37
			N/E. S/W.	A.C., 3 ph A.C., 1 ph	925 296	$\frac{280}{37}$	$\frac{6}{7}$	$\begin{array}{ c c c c }\hline 11.4.27 \\ 20.11.24 \\ \end{array}$
Allansford Rural .			0.03	A.C., 3 ph. and 1 ph	100	77	7	26.9.28
Altona			Metro.	A.C., 1 ph.	$\frac{2,000}{125}$	$^{488}_{25}$	6 7	9, 12, 24 $15, 10, 24$
				A.C., 1 ph	125 75	25 56	7	21, 12, 36
Ardmona .			N/E.	A.C., 1 ph	260	88	7 7	25.3.38
Arundel	•		C'maine.	. i A.C., 1 ph	(See K	(CHOI)		21,11.35
				A.C., 1 ph	86	12	7	23.7.36
	•			A.C., 3 ph. and 1 ph A.C., 1 ph	$\frac{4.500}{200}$	1,105 10	5 7	1.4.27 $13.2.36$
Bairnsdale Rural . Balintore .			CO TABLE	A.C., 1 ph. (230 V. only)	50	5	7	1.6.37
Balmattum East .			Ń/E.	A.C., Uph	32	8	7	8, 10, 37
			4.9	A.C., 1 ph A.C., 1 ph	$\frac{270}{350}$	29 190	$\frac{\epsilon}{7}$	7.10,27 $6.9.24$
			7 (1	A.C., 1 ph	150	13	7	28,2,39
V				A.C., 3 ph. and I ph	200 370	47 147	$\frac{7}{7}$.	11.9.35 $24.7.26$
~ ~ ~			E/M. E/M.	A.C., 1 ph A.C., 1 ph	$\frac{370}{225}$. 14.1	'	18.6.28
APPENDING INC.			S/W.	A.C., 1 ph	466	107	7	21.5, 24
Beeac Belgrave ,			E/M.	A.C., 3 ph,	1,723	701	5	24.8.25

Municip	ality o	r Centre.		Branch.	System	of Supply.	Population.	Number of Onsumers,	Tariffs as per Appendix No. 8 Column No.	Date Supply First Undertaken by Commission.
Counti	ry —co	ntinued.								
Bena				Gipps.	A.C., 3 ph.		250	58 1 139	7 5	10.7.30 $1.5.26$
Benalla				N/E.	A.C., 3 ph. A.C., 1 ph.		4,582 80	1 139	7	$\frac{1,9,20}{29,10,38}$
Bennison Berwick				Gipps. E ′M.	A.C., I ph.		932	163	7	7.5.28
Birregurra				S W.	A.C., I ph.		400	111	7	30.10.24
Bittern				E7M.	A.C., I ph.		150	17	7	22, 12, 37
Boisdale				Gipps.	A.C., I ph.		550 90	90 22	$\frac{7}{7}$	$13,7,37 \\ 30,12,38$
Bona Vista		• •	• •	Gipps. S.W.	A.C., 1 ph.	(230 V. only)	30	2	7	10.8,37
Bookar Boolarra				Gipps.	A.C., 3 ph.		450	68	7	29, 10, 24
Boronia				E/M.	A.C., 1 ph.	'	499	200	7	23.1.27
Bostock's Creek				S/W.	A.C., 1 ph.		50	14	7 7	15, 12, 24
Bowser				N ′E. → E/M.	A.C., 3 ph. A.C., 1 ph.		86 25	4 4	'	23.4.34 $27.6.30$
Braeside Brandy Creek				Gipps.	A.C., I ph.		50	ñ	,	15.2.39
Briagolong				Gipps.	A.C., I ph.		500	50	7	5.3.37
Briar Hill			'	E/M.	A.C., 1 ph.		279	96	6	12.5.26
Broadmeadows				Metro.	A.C. I.ph.		250 600	36 90	7 7	18, 11, 35 $1, 10, 30$
Brnthen Bulla	٠.		• •	Gipps. C'maine.	A.C., 1 ph. A.C., 1 ph.		186	13	'	10.11.36
Bulla Bullock Swamp				S W.	A.C., 1 ph.		45	12	7	12, 9, 24
Buln Buln				Gipps.	A.C., 1 ph.		130	24	7	1.12.30
Bundalaguah				Gipps.	A.C., 1 ph.		150	33	7	13.11.36
Bundoora				E/M.	A.C., 1 ph. A.C., 3 ph.		50 850	26 67	7 7	$\frac{31,12,27}{14,1,37}$
Buninyong Bunyip				Ball. Gipps.	· A.C., 3 pn. · A.C., 1 ph.		500 500	83	'	15, 10, 28
Burramine				N/E.	A.C., 1 ph.		54	7	- 7	12.9.35
Byrneside West				N/E.	A.C., 3 ph.		(See St	(anhope	7	24.5.37
							150	17	7	c o 25
Caldermeade	• •		• • •	Gipps.	A.C., 1 ph. A.C., 3 ph.	and 1 ph	150 120	$\frac{47}{39}$	' 7	$6.9.35 \\ 14.9.36$
Campbellfield Camperdown				Metro. S/W.	A.C., 3 ph.		3,550	747	5	30, 12, 23
Camperdown Ru				S/W.	A.C., 1 ph.		1,000	223	7	9.1.36
Caramut				S/W.	A.C., 1 ph.	• • • • •	171	13	7	12.8.38
Carisbrook				C'maine.	A.C., 1 ph. A.C., 3 ph.	and I ah	$\frac{205}{5,734}$	66 1,114	7 5	24.11.37 $31.12.29$
Castlemaine Catani				C'maine, Gipps,	A.C., 5 ph.	and I ph	100	30	7	27, 10, 36
Chewton				C'maine.			531	. 40	7	23,9,38
Chiltern				N/E.	A.C., 3 ph.		1,630	141	7	1.9.26
Chocolyn			:	S/W.	A.C., 1 ph.		20	2	7	14.1.38
Clayton	• •		:	Metro. and E/M.	· A.C., 1 ph.		856	123	,	30, 4, 26
Clematis				E/M.	A.C., 1 ph.		41	19	7	24.8.34
Cloverlea				Gipps.	A.C., 1 ph.		200	41	7	7.4.30
Clunes				Ball.	A.C., 3 ph.		1,300	157	7	9.2.38
Clydebank Cobden	• •	• •		Gipps. S/W.	A.C., 1 ph. A.C., 3 ph.		100 800	14 ± 210 ±	7 7	$9.4.36 \\ 26.3.24$
Cobden Cobram				N/E.	A.C., 3 ph.		980	200	;	1, 10, 28
Cobrico			,	S/W.	A.C., 1 ph.		20	Į.	7	22.12.38
Colae				8/W.	A.C., 3 ph.		5,900	1.460	5	1.9.23
Colae Rural	• •			S/W. E/M.	A.C., 3 ph. A.C., 3 ph.		900 43	101 ¹ 28	7 7	$9.1.36 \\ 1.7.33$
Coldstream Congupna			!	N/E.	A.C., 3 ph.	mil 1 pni	54	3	' i	7.9.34
Coragulae				8/ W.	A.C., 1 ph.		100	14	7	30.4.24
Cora Lynn				Gipps.	A.C., 3 ph.		200	45	7	9.8.35
Cororooke			- • •	8/W.	A.C., 3 ph. A.C., 3 ph.	and Lade	400	isborne)	$\frac{7}{7}$	27.3.24 8.37
Conangalt Cowwarr				C'maine. Gipps.	A.C., 3 ph.		350	87	7	8.11.24
('ranbourne				E/M.	A.C., I ph.		590	95	7 7	12.9.28
Creswick			· · i	Ball.	A.C., 3 ph.		1,700	197	7	24, 11, 37
Crib Point	• •			E/M.	A.C., 1 ph.	(230 V. only)	$\frac{1,505}{80}$	152 12	1/4	$\frac{23.8,29}{16.3.38}$
Crossley Croydon				S/W. E/M.		and 1 ph	2.120	681	ś	1.4.25
Cudgee				S/W.		(230 V. only)	40	4	7	7.12.38
						!	100		_ :	
Dalmore	• •		• • •	Gipps.	A.C., 1 ph.	and I ph	$\frac{100}{5,533}$	13 (7 8	$\frac{29.1.37}{1.10.23}$
Dandenong Darlington				E/M. S/W.		(230V. only)	110	12	7	22,4,38
Darnum				Gipps.	A.C., 3 ph.		220	5 0	7	20.12.24
Dawson				Gipps.	A.C., 1 ph.		50	6 .	7	16.4.37
Deer Park			• • :	Metro. S/W.	A.C., 3 ph. A.C., 3 ph.		$\frac{180}{310}$	48	8 7	14.2.29 1.2.29
Dennington Derrinallum				8/W.	A.C., 1 ph.		150	40	' 7	20,4,38
Diamond Creek				E/M.	A.C., 1 ph.		466	95	7 7	10.5, 29
Digger's Rest				C'maine.	A.C., 1 ph.		186	23	7	15.3.29
· Dingley				E/M.	A.C., 1 ph.		249 270	41	7 7 7	10, 10, 29
Dookie Driffield	• •			N/E. Gipps.	A.C., 1 ph. A.C., 1 ph.		270 100	68 14	7	$8.3.37 \\ 6.4.38$
Drimeia Dromana				E/M.	A.C., 3 ph.		958	210	'	8.12.27
Drouin				Gipps.	A.C., 3 ph.		1.050	244	6	1.10.24
Drouin Rural				Gipps.	A.C., 1 ph.		100	10	7	13.11.28
Drouin West	• •			Gipps.	A.C., 1 ph.		50 1,200	8 148	7 7	18.2.39
Drysdale Dumbalk				Geel. Gipps.	A.C., 4 ph. A.C., 3 ph.	and I ph	1,200	148	4	13.2.24 $14.9.36$
Dunolly				C'maine.	A.C., 3 ph.		593	154	' 7	31.3.38

	lity or C			Branch.	System of Supply.	Population.	Number of Consumers,	Tariffs as per Appendix No. 8 Column No.	Date Supp First Undertaken by Commission
Countr East Oakleigh Echuca Eildon Weir Eldorado	Y—conti	inued.		E/M. N/E. N/E. N/E.	A.C., 3 ph A.C., 3 ph A.C., 1 ph A.C., 1 ph	112 4,880 108	29 955 7	1 and 7 5 7	$19.7.26 \\ 10.11.24 \\ 28.4.39$
Elliminyt Ellinbank				S/W. Gipps.	A.C., 1 ph	195 (See C 160	l 12 folac) 38	7 5 7	1.4.39 1.7.24 9.9.36
Elphinstone Eltham				C'maine. E/M.	A.C., 1 ph	$\begin{array}{c} 106 \\ 695 \end{array}$	$^{8}_{182}$	7 7	4.11.38
Emerald Epping				E/M. E/M.	A.C., 1 ph. A.C., 1 ph.	$\begin{array}{c} 274 \\ 126 \end{array}$	95	7	$\begin{array}{c} 12.8.26 \\ 7.8.34 \end{array}$
Euroa	• •	••		N/E.	A.C., 3 ph	2,765	39 487	7 6	$\begin{array}{c} 15.7.36 \\ 20.3.28 \end{array}$
Ferny Creek Fish Creek				E/M. Gipps.	A.C., 1 ph A.C., 3 ph. and 1 ph	$\frac{142}{350}$	29 47	7 7	2.9.27
Flinders Flynn				E/M. Gipps.	A.C., 1 ph	480 150	64	7	$9.7.38 \\ 28.10.38$
Foster Frankston				Gipps. E/M.	A.C., 3 ph. and 1 ph A.C., 3 ph. and 1 ph	700	35 134	7 7	$5.9.38 \\ 30.4.38$
Gainsborough				Gipps.	A.C., 1 ph	4,983 120	1,431	8	21,2,28
Garfield Garvoc		• •		Gipps.	A.C., 1 ph	400	$\frac{26}{63}$	7 7	$28.9.36 \\ 1.8.29$
Girgarre				S/W. N/E.	A.C., 1 ph. (230 V. only) A.C., 3 ph.	$152 \\ 249$	11 47	7	25.9.37
Gisborne Glengarry		• •		C'maine. Gipps.	A.C., 3 ph. and 1 ph	1,091	138	7	$19.5.38 \\ 1.10.28$
Glenormiston				S/Ŵ.	A.C., 3 ph. and 1 ph	150 100	$\begin{bmatrix} 33 \\ 25 \end{bmatrix}$	7 7	$14.8.28 \\ 10.9.29$
Glen Waverley Gorinandale		• •		É/M. Gipps,	A.C., 1 ph	$\frac{350}{250}$	45	7	1.6.28
Gnotuk				S/Ŵ.	A.C., 1 ph	120	57 14	7 !	14.10.38 3.36
Frahamvale Freensborough				N/E. E/M.	A.C., 1 ph	(See Sheppa 787	rton East) 199	7 6	20,7,37
Freenvale		• •		Metro.	A.C., 1 ph	500	9	7	$23.3.26 \\ 15.7.38$
Hallam Harcourt				E/M. C'maine.	A.C., 1 ph A.C., 3 ph	$\frac{108}{372}$	14	7	27.8.37
Harrisfield				E/M.	A.C., 1 ph	$\frac{372}{259}$	39 19	7 7	9.4.33 $22.10.35$
Hastings Haunted Hills				E/M. Gipps.	A.C., 1 ph	$\frac{511}{300}$	98	7	28.3.27
Hazelwood			• •	Gipps.	A.C., 1 ph	150	53 48	. 7	$18.9.36 \\ 9.9.36$
Iazelwood North Iealesville			::	Gipps. E/M.	A.C., 1 ph	$\frac{50}{1,764}$	23	7	21.12.37
Heathmont				E/M.	A.C., 1 ph	82	557 18	8	$\frac{1.4.33}{25.3.37}$
Hexham Heyfield		• •	::	S/W. Gipps.	A.C., 1 ph	120 850	9	7	8,7,38
Hillside	••	••		Gipps.	A.C., 1 pli.	50	162 14	7 :	$15.9.24 \\ 29.5.36$
llowa nverloch				S/W. Gipps,	A.C., 1 ph	100	8	7	30.9.37
rrewarra				S/W.	A.C., 1 ph	450 150	100	7 7	$1.10.34 \\ 23.2.26$
Jancourt Jindivick				S/W. Gipps.	A.C., 1 ph	50	4	7	25, 5, 39
lohnsonville				Gipps.	A.C., 1 ph	180 120	$\begin{array}{c c} 58 \\ 26 \end{array}$	7	23.8.38 $24.1.36$
fumbunna	• •	• •		Gipps.	A.C., I ph	400	39	7	24.10.30
Kalimna Point Kallista	• •	• •	::	Gipps. E/M.	A.C., 1 ph A.C., 1 ph	140 194	15 79	7 7	6, 12, 28
Kalorama Kardella		• •	• •	E/M. Gipps.	A.C., 1 ph	211	46	7	$19.8.27 \\ 31.5.34$
Kariah			::	S/W.	A.C., 1 ph	50 20	2 4	7 7	23.9.36
Keilor Kiewa			::	C'maine. N/E.	A.C., 1 ph	308	33	7	$12,11,38 \\ 21,11,35$
Killarney				S/W.	A.C., 1 ph	$\frac{150}{80}$	$\frac{20}{8}$	7	$12.4.39 \\ 14.5.35$
Kilsyth Kolora		• • •	::	E/M. S/W.	A.C., 1 ph	145 70	37	8	1.4.25
Kongwak				Gipps.	A.C., 3 ph. and 1 ph	200	13 51	7 7	21.3.25 $10.10.30$
Koo-wee-rup Koroit				Gipps. S/W.	A.C., 3 ph. and 1 ph	$\frac{700}{1,700}$	158	7	31.7.35
Korumburra				Gipps.	A.C., 3 ph. and 1 ph	3,000	218 584	6 6	1.12.28 $1.12.24$
Korumburra Rur. Kyabram				Gipps. N/E.	A.C., 1 ph	$\substack{100 \\ 2,010}$	10 534	7 6	1, 11, 35
Kyneton	• •	• •		C'maine.	A.C., 3 ph	3,867	793	5	1.12.26 $1.10.29$
Lake Bolac Lake Gillear				S/W. S/W.	A.C., 1 ph A.C., 1 ph	150 50	33	7	5.8.38
Lakes Entrance				Gipps.	A.C., 1 ph	950	$\frac{3}{169}$	7 7	8.7.38 $19.12.28$
Lancaster Lancefield				N/E. C'maine.	A.C., 1 ph	$\frac{108}{722}$	8	7	6.35
Lang Lang	• •		;	Gipps.	A.C., 3 ph. and 1 ph	800	103 123	7	$27.3.29 \\ 2.9.35$
Lara Lara Lake	• • • •			Geel. Geel.	A.C., 3 ph. A.C., 3 ph.	300 (See F	46	8	1,9,30
Lardner			::	Gipps.	A.C., 1 ph	(See L 100	ara) 22	8 7	1.9.30
Laverton Learmonth			!	Metro. Ball.	A.C., 1 ph	180	40	7	$7.2.39 \\ 22.11.38$
emnos	• •			N/E.	A.C., 1 ph	$\frac{250}{390}$	45 23	7	19.3.38
Leongatha				Gipps.	A.C., 3 ph	2,000	530	6	12.38 $15.2.25$

Municipa	ality or	Centre.		Branch.	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 8 Column No.	Date Supply First Undertaken by Commission.
				.,				•	
Counte	x—con	tinued.				38		-	1 0 30
Leongatha Rura				Gipps.	A.C., 1 ph	250 (See Dr	vsdale)	7 7	1.8.28 $13.2.24$
Leopold Lilvdale				Geel. E/M.	A.C., 1 ph	1,258	388	6	1.4.25
Lindenow				Gipps.	A.C., 1 ph	400 450	71 56	$\frac{7}{7}$	$\frac{6.4.35}{26.4.38}$
Lismore				S/W. S/W.	A.C., 1 pb	400	77	7	26.4.38
Lismore Rural Loch				Gipps.	A.C., 1 ph	350	91	7	18.8.30 $23.12.36$
Lockwood				E/M.	A.C., 1 ph	160 50	49	7 7	8.3.35
Longford Longwarry				Gipps. Gipps.	A.C., 3 ph	350	. 80	7	11.10.28
Lorne				s/w.	A.C., 3 ph. and 1 ph.	$\frac{450}{200}$	$\frac{273}{9}$	$\frac{6}{7}$	15.12.36 $24.12.36$
Lorne Rural Lower Ferntree	 Cullis			S/W. E/M.	A.C., 1 ph	737	158		24.8.25
Lower Plenty	· · ·		:: :	E/M.	A.C., 1 ph	122	30		13.3.28
Lucknow				Gipps.	A.C., 3 ph	150 158	45 4	5 7	+.8.27 $+.19,1.38$
Lyndhurst Lysterfield				E/M. E/M.	A.C., 3 ph A.C., 3 ph. and 1 ph	100	10	7	17.7.37
•	• •	• •				1,435	236	7	14,6,29
Macedon Maffra	• •			C'maine. Gipps.	· A.C., 3 ph. and 1 ph · A.C., 3 ph	2,300	546	6	1.9.24
Maffra Maffra Rural				Gipps.	A.C., 1 ph	300	20	7	14.8.28
Maldon				C'maine.	A.C., 3 ph, and 1 ph	$\frac{1,062}{576}$	$\frac{111}{25}$. 7 7	$1.7.36 \\ 22.12.37$
Malmsbury Mansfield				C'maine. N/E.	A.C., 1 ph	790	252	6	1.6.28
Mardan				Gipps.	A.C., 1 ph.	$\frac{150}{6,133}$	$\frac{20}{1.274}$. 7 . 5	$^{'}$ 31.7.36
Maryborough				C'maine. Gipps.	A.C., 3 ph A.C., 3 ph. and 1 ph	6,155 50	. 10	7	6.8.37
Maryvale Mcenivan				Gipps.	A.C., 1 ph	300	79	7	14.9.36
Mernda				E/M.	A.C., 1 ph A.C., 3 ph	$\frac{220}{281}$	22 75	7 7	28.9.37 $22.2.27$
Merrigum Metropolitan Fa	 em (W)	erribee)	::	N/E. Metro.	i A.C., 3 ph	325	37	8	15, 12, 33
Metung				Gipps.	A.C., 1 ph	150	. 28	7 7	$\frac{23,12,35}{12,6,39}$
Mickleham				Metro.	A.C., 1 ph		168	$\frac{7}{7}$	1.10.24
Mirboo North Moe				Gipps. Gipps.	A.C., 3 ph	750	285	6	23.9.23
Moe East				Gipps.	A.C., 1 ph	50 250	15 15	7 7	24.6.38 $14.7.30$
Moe Rural Monbulk			::	Gipps. E/M.	A.C., 1 ph	276	67	7	30.11.36
Monegeetta				C'maine.	A.C., 1 ph	. 78	15	7 7	3.5.29 $17.1.36$
Monomeith				Gipps. E/M.	A.C., 1 ph	70 387	17 108	6	11, 5, 26
Montmorency Montrose.				E/M.	A.C., 3 ph. and 1 ph	325	85	8	1.4.25
Moolap				Geel.	A.C., 1 ph	(See Di	rysdale) 5	! 7	30, 1, 25 $14, 2, 38$
Moolort Mooroodue				C'maine. E/M.	A.C., 1 ph A.C., 3 ph	23	12	7	2.3.25
Mooroolbark				E/M.	A.C., 1 ph	54	$\frac{10}{262}$	7 6	$16.9.36 \\ 1.10.26$
Mooroopha Moroopha			• •	N/E. E/M.	A.C., 3 ph	1,630 230	19	7	28.9.37
Morang South Mornington				E/M.	A.C., 3 ph. and 1 ph	2,277	721	. 5	1.8.30
Mortlake				S/W.	A.C., 3 ph A.C., 3 ph. and 1 ph	1,000 2,000	$\frac{254}{453}$	6	1.5,24 1,4,26
Morwell Morwell Bridge				Gipps. Gipps.	A.C., 1 ph	200	55	7	26, 11, 28
Mossiface				Gipps.	A.C., 1 ph	160	11 9	7 7	$\frac{1.10.30}{26.6.30}$
Moyarra Moyne View				Cipps. S/W.	A.C., 1 ph A.C., 1 ph. (230 V. only)	30	: 3	7	$\frac{27.5.37}{27.5.37}$
Mt. Dandenong				\mathbf{E}/\mathbf{M} .	A.C., 1 ph	131	86	7 8	20.6.33
Mt. Eliza Mt. Evelyn				E/M. E/M.	A.C., 3 ph. and 1 ph	471 354	$\begin{array}{c} 153 \\ 61 \end{array}$	7	$\frac{21.2.28}{9.1.28}$
Mt. Martha			::	E/M.	A.C., 1 ph	397	124	8	1,8,30
Mt. Waverley				E/M.	A.C., 1 ph A.C., 1 ph	210 50	51 18	! 7	$\frac{1.6.28}{3.3.38}$
Myrtlebank	• •			Gipps.					İ .
Nalangil			!	S/W.	A.C., 1 ph	60 487	23 45	$\frac{7}{7}$	19, 12, 24 17, 10, 38
Nanneella Nar-Nar-Goon	• •			N/E. Gipps.	A.C., 1 ph A.C., 1 ph	250	46	7	23.5.34
Narre Warren				E/M.	A.C., 1 ph	120	28 10	7 7	$13.11.28 \\ 10.11.38$
Narre Warren			• •	E/M. N/E.	A.C., 1 ph A.C., 3 ph	105 980	201	, 7	1, 10, 31
Nathalia Nayook				Gipps.	A.C., 1 ph	80	14	7	15.1.35
Neerim			٠.	Gipps.	, , Passer	170 90	28 46	7	15, 1, 35 $21, 12, 36$
Neerim East Neerim Junction	 n			Gipps. Gipps.	A.C., 1 ph	150	32	<u> </u>	3.5.35
Neerim North				Gipps.	A.C., 1 ph.	50 450	18 147	7 7	11.4.38 $15, 1.35$
Neerim South New Gisborne				Gipps. C'maine.	A.C., 1 ph	244	. 28	;	1.3.29
New Gishorne Newry				Gipps.	A.C., 3 ph. and 1 ph	350	61	7	25, 10, 26
Newstead					A.C., 3 ph A.C., 1 ph	372 80	67 4	7 7	20.4.37 $12.12.34$
Nicholson Nilma	· •			Gipps. Gipps.	Λ.C., 1 ph	180	44	7	23.12.27
Noble Park				Е/ М .	A.C., 3 ph.	$\frac{1.429}{150}$	189 14	• 7 7	5, 12, 24 $15, 1, 35$
Noojee Noorat				Gipps. S/W.	A.C., 1 ph	120	83	7	5.12.24
Notting Hill				E/M.	A.C., I ph.	195	24	7	$\frac{21.7.27}{1.10.21}$
Numurkah				N/E.	A.C., 3 ph A.C., 1 ph	$\frac{1,520}{200}$	382 48	6 7	1.10/31 $1.10.35$
Nyora		• •	• •	Gipps.	men i pin		• • •		

Municipal	lity or Centr	e.	Branch.	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 8 Column No.	Date Supply First Undertaken by Commission.
Country Oaklands Junctio	Y—continue		M	A.C. 1 -1	10	,		
Ocean Grove				A.C., 1 ph A.C., 1 ph	10 300	$\frac{1}{1}$	7 7	$\begin{array}{c} 10.12.35 \\ 27.9.24 \end{array}$
Officer				A.C., 1 ph	170	34	7	12.4.28
Olinda				A.C., 1 ph	439	149	6	30, 9, 27
Orrvale			N/E.	A.C., 1 ph	(See Sheppa	rton East)	7	20, 2, 36
Pakenhanı			E/M.	A.C., 1 ph	550	122	: 7	10 0 30
Panmure			C1 (7777	A.C., 1 ph. (230 V. only)	550 203	14	7	18.6.28 $3.9.37$
Paynesville				A.C., 3 ph. and 1 ph	450	51	7	25,2,38
Penshurst				A.C., 1 ph	720	99	7	16.9.38
Penshurst Rural Pirron Yallock				A.C., 1 ph	700	79	7	16.9.38
Point Lonsdale			- ·	A.C., 1 ph	50 250	5 157	7 7	21.12.36 $30.12.23$
Pomborneit North	h.		~	A.C., 1 ph A.C., 1 ph	90	13	7	1,9,26
Pomborneit South	· .			A.C., 1 ph	100	20	7	1.9.26
Poowong Poowong East			1 1	A.C., 1 ph	350	94	7	11.9.30
Portarlington				A.C., 1 ph	50 800	15 128	7	17.10.38 $27.2.24$
Port Fairy			01 1	A.C., 3 ph. and 1 ph	1,850	391	6	21,12,28
Port Fairy North			/	A.C., 3 ph. and 1 ph	(See Port		6	7.36
Port Fairy Rural			,	A.C., 1 ph. (230 V. only)	550	80	· 7	10.11.30
Port Franklin Portsea			77.75	A.C., 1 ph	150 463	$\frac{21}{134}$	7 6	23.7.38
LOLUSCA			E/ M.	A.C., 3 ph	405	154	0	1.10.27
Queenscliff			Geel.	A.C., 3 ph	2,950	508	. 6	30, 12, 23
TO 1 TENT			TO (245	A G . D . L			_	
Red Hill Riddell			~ .	A.C., 3 ph. and 1 ph A.C., 1 ph	388 348	62 41	7 7	$\frac{30.6.37}{7.3.30}$
Riagen Ringwood	:		77.77.6	A.C., 1 ph	3,434	795	8	$7.3.29 \\ 1.4.25$
Rochester			37 /73	A.C., 3 ph	1,630	403	6	1.8.35
Rockbank				A.C., 3 ph	38	7	7	3.4.39
Rokeby			1 (2)	A.C., 3 ph. and 1 ph A.C., 3 ph. and 1 ph	50 734	7	7	4,4.35
Romsey Rosebrook	:		01/337	A.C., 3 ph. and 1 ph A.C., 1 ph. (230 V. only)	150	124	7	19.3.29 $30.9.36$
Rosebud			77 /25	A.C., 3 ph. and 1 ph	1,362	391	, 6	8, 12, 27
Rosedale				A.C., 1 ph	500	80	7	15.8.27
Rubicon			a.	A.C., 1 ph	54 70	$\frac{1}{22}$	7	$\frac{4.9.27}{10.4.29}$
Ruby Rutherglen	• • •		37 /13	A.C., 1 ph A.C., 3 ph	1,310	309	7 ti	19.4.28 $15.10.26$
Rye	:		77 /7.5	A.C., 1 ph	246	71	7	16.12.27
			a:-	1 1 1 0 1		1.1		
Sale Sale Rural	:		0	A.C., 3 ph	4,650	1,103 30	5 7	1.7.24 $12.12.28$
Sassafras	:		TO Zine	A.C., 3 ph. and 1 ph		172	6	9,7,27
Scoresby				A.C., 1 ph	88	12	7	23.9.37
Seaford				A.C., 3 ph. and 1 ph	980	276	8	21.2.28
Selby Shepparton	:		37 /73	A.C., 1 ph A.C., 3 ph	74 7,170	$\frac{20}{1,702}$	7 5	12, 12, 35 1, 1, 25
Shepparton East	:: :		N/E.	A.C., 1 ph	1,090	161	7	25,2,36
Sherbrooke			77 /7 5	A.C., I ph.	157	43	7	29.7.27
Silvan			25 22	A.C., 3 ph. and 1 ph A.C., 1 ph	208 250	31 35	7 7	13.6.28
Smeaton Somers	:		T3 /3/E	A.C., 1 ph	192	50	7	$16.4.38 \\ 24.12.35$
Somerton	:		3.5	A.C., 1 ph,	75	4	7	22.7.38
Somerville			13 /3/5	A.C., 3 ph. and 1 ph	360	69	7	19.12.26
Sorrento			77 /3.5	A.C., 3 ph. and 1 ph A.C., 1 ph	1,293 131	; 395 ; 8	6 7	1.10.27 17.2.37
South Belgrave South Gisborne	:		co ·	A.C., 1 ph	(See Gis		7	1,5.37
South Purrumbet	• •		S/W.	A.C., 1 ph	200	4	7	25, 5, 39
Southern Cross			N 7 / 123	A.C., 1 ph	20	3	7	31.8.38
Springhurst Springvale	:		17 / 74	A.C., 3 ph	$\begin{array}{c} 216 \\ 2,121 \end{array}$	48 451	7 6	$6.9.26 \\ 5.12.24$
Springvale St. Albans	: :		C'maine.	A.C., 1 ph.	819	101	8	14, 2, 30
Stanhope			N/E.	A.C., 3 ph	380	69	7	14.6.38
Stoneyford				A.C., 1 ph. (230 V. only)	100	6	7	20, 12, 37
Stony Creek	:		(71.	A.C., 1 ph A.C., 3 ph. and 1 ph	100 900	. 19 . 154	7 7	$14.9.36 \\ 20.12.26$
Stratford Strathallan	:: :		NT/TO	A.C., I ph	27	2	7	5, 11, 35
Strathmerton			N/E.	A.C., 1 ph	162	22	7	2.35
Sunbury			C'maine.	A.C., 3 ph	1,276	222	6 7	1.5.26
Swan Marsh			0'	A.C., 1 ph. (230 V. only) A.C., 1 ph.	120 120	12 28	7 7	$\frac{4.6.37}{11.7.30}$
Swan Reach Sydenham	:		CV	A.C., 3 ph		13	$\dot{\tau}$	14.10.38
	• •		(°	1 (X 1 x)	1		_	
Γalbot			C'maine. N/E.	A.C., 1 ph A.C., 1 ph	$\frac{388}{216}$	61 15	7 7	$27.8.38 \\ 22.10.33$
			E/M.	A.C., 1 ph	216 50	15	7	9.3.28
					100	11		24. 12. 37
Tally Ho			Gipps.	A.C., I ph	1(///	11	7	27.12.01
Cally Ho Cambo Upper			S/W.	A.C., 1 ph	50	4	7	25, 5, 39
Fally Ho Fambo Upper Fandarook Fangambalanga	· · · ·		S/Ŵ. N/E.	A.C., 1 ph	50 162	4 11	7 7	25.5.39 $12.4.39$
Fally Ho Fambo Upper Fandarook Fangambalanga Fangil South		· · · · · · · · · · · · · · · · · · ·	S/W. N/E. Gipps.	A.C., 1 ph	50 162 100	$\begin{array}{c} 4 \\ 11 \\ 22 \end{array}$	7 7 7	25.5.39 $12.4.39$ $27.5.37$
			S/W. N/E. Gipps. Gipps.	A.C., 1 ph	50 162 100 50	$\begin{array}{c} 4 \\ 11 \\ 22 \\ 9 \end{array}$	7 7 7	25.5.39 $12.4.39$ $27.5.37$ $23.8.38$
Tally Ho Tambo Upper Fandarook Tangambalanga Fangil South Farago Fatura			S/W. N/E. Gipps. Gipps. N/E. E/M.	A.C., 1 ph	50 162 100	$\begin{array}{c} 4 \\ 11 \\ 22 \\ 9 \\ 289 \end{array}$	7 7 7	25.5.39 $12.4.39$ $27.5.37$
Tally Ho Tambo Upper Fandarook Tangambalanga Tangil South Farago Fatura Fecoma			S/W. N/E. Gipps. Gipps. N/E.	A.C., 1 ph. A.C., 3 ph.	50 162 100 50 1,420	$\begin{array}{c} 4 \\ 11 \\ 22 \\ 9 \\ 289 \end{array}$	7 7 7 7 6	25.5.39 12.4.39 27.5.37 23.8.38 1.11.26

Municipal	ity or Centre.		Branch.	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 8 Column No.	Date Supply First Undertaken by Commission,
	-continued							
Tesbury			S/W.	A.C., I ph	200	3	7	15.5.39
Thomastown Thornton	• • • • • • • • • • • • • • • • • • • •		\mathbf{E}/\mathbf{M} .	A.C., 3 ph.	145	31	7	1.6.28
Thorpdale			N/E.	A.C., I ph A.C., I ph	$\begin{array}{c} 162 \\ 200 \end{array}$	59 34	7 7	19.7.27
Tinamba			Gipps. Gipps.	A.C., 1 ph	360	34 84	7	23, 12, 37 $11, 7, 28$
Tongala			N/E.	A.C., 3 ph	378	145	7	12.9.26
Toongabbic			Gipps.	A.C., 1 ph	200	26	7	11.3.29
Toora			Gipps.	A.C., 3 ph. and 1 ph	450	140	7	10.5.38
Tooradin Torayan	• • • • • • • • • • • • • • • • • • • •		Gipps.	A.C., 1 ph	180	38	7	14.1.37
Torquay Trafalgar	• • • • • • • • • • • • • • • • • • • •	• • •	Gecl.	A.C., 3 ph A.C., 3 ph	300	197	7	1,9.30
Tralafgar Rural			Gipps. Gipps.	A.C., 3 ph	1,000 400	$\frac{376}{30}$	$\frac{6}{7}$	$16.10,23 \\ 3.4.28$
Traralgon			Gipps.	A.C., 3 ph. and 1 ph	2,500	719	5	24.11.23
			Gipps.	A.C., 1 ph	200	20	7	27.11.28
			Gipps.	A.C., I ph	, 120	25	7	12.8.37
Tremont			E/M.	A.C., 1 ph	396	. 69	7	2.9.27
Trentham Triholm	• • • • • • • • • • • • • • • • • • • •		C'maine.	A.C., 3 ph	827	141	7	-8.5.39
Tyabb		• •	Gipps. E/M.	A.C., 1 ph A.C., 1 ph	$\frac{70}{248}$	$\frac{16}{37}$	$\frac{7}{7}$	17.10.38
Tyers			Gipps.	A.C., 1 ph	$\frac{248}{250}$	62	7	20.1.28 $15.10.23$
Tynong			Gipps.	A.C., 1 ph	300	59	'	14.1.29
				•				~ ~ . 4 . 4/7
Upper Beaconsfiel	-11		\mathbf{E}/\mathbf{M} .	A.C., 1 ph	310	49	7	8.34
Upper Ferntree G Upper Maffra We			E/M.	A.C., 3 ph. and I ph	1,004	182	6	24.8.25
Upwey		• • •	Gipps.	A.C., 1 ph	300	34	7	6.10.37
~ p.,,	•• ••		E/M.	A.C., 3 ph. and 1 ph	1,276	293	5	24.8.25
Valencia Creek Violet Town			Gipps. N/E.	A.C., 1 ph	100 65 0	10 119	7 7	$11.6.38 \\ 2.3.36$
177 1 1								2.0.00
Wahgunyah Walpa	• • • • • • • • • • • • • • • • • • • •		N/E.	A.C., 3 ph	541	89	$\overline{2}$	1.2.26
Wangaratta		• •	$rac{ ext{Gipps.}}{ ext{N/E.}}$	A.C., 1 ph	$\frac{50}{5,430}$	1100	7 5	16.5.35
Wangaratta North			N/E.	A.C., 3 ph	21	$\frac{1,190}{3}$	3 7	$12.3.27 \\ 20.5.36$
Wangaratta South			N/E.	A.C., 3 ph	54	6	;	$\frac{20.5.36}{3.5.38}$
Wangoom			S/W.	A.C., 1 ph.	200	2	7	9.5.39
Wantirna			\mathbf{E}/\mathbf{M} .	A.C., 3 ph	84	8	7	1.2.28
Warneoort Warragul	• • • • • • • • • • • • • • • • • • • •		S/W.	A.C., 1 ph	30	6	7	19, 12, 25
117 " 1 75 1	• • • • • • • • • • • • • • • • • • • •		Gipps.	A.C., 3 ph. and 1 ph	2,900	850	5	1.12.30
Warrandyte			Gipps. E/M.	A.C., I ph	$\begin{array}{c} 100 \\ 288 \end{array}$	15 73	7 7	19.6.28
Warrion			S/W.	A.C., 1 ph	75	12	$\frac{7}{7}$	$ \begin{array}{c c} 21.12.35 \\ 18.8.24 \end{array} $
Warmambool			S/W.	A.C., 3 ph	9.100	2.105	5	30, 12, 23
Warrnambool Ru			S/W.	A.C., 1 ph	250	18	7	9.1.36
Watsonia Weerite	• • • • • • • • • • • • • • • • • • • •		E/M.	A.C., 3 ph	83	29	7	24.3.26
Welshpool		• • •	S/W. Gipps.	A.C., 3 ph	30	7	7	8.6.28
Werribee			Metro.	A.C., 3 ph. and 1 ph	$\frac{300}{2,713}$	67 592	7 6	15.8.38
W			Metro.	A.C., 3 ph. and 1 ph	462	64	8	10.4.24 $24.11.36$
Westbury	••		Gipps.	A.C., 1 ph	60	10	7	24.11.36 $27.5.37$
Westmere	• • • • • • • • • • • • • • • • • • • •		S/W.	A.C., 1 ph	45	12	7	30.9.38
Wheeler's Hill Whittlesea	••		E/M.	A.C., 1 ph	124	19	7	1.2.26
Willaura	• • • • • • • • • • • • • • • • • • • •		E/M. S/W.	A.C., 1 ph	360	58	7	28.9.37
Willaura Rural			S/W. S/W.	A.C., 1 ph	400 300	79	$\frac{7}{7}$	23.9.38
Willowgrove			Gipps.	A.C., 1 ph	50 50	$\begin{array}{c} 26 \\ 12 \end{array}$	7	23.9.38 $22.5.39$
Winchelsea			S/W.	A.C., 1 ph	705	99	7	$\frac{22.5.39}{30.6.24}$
Wiseleigh			Gipps.	A.C., I ph	130	8	;	24.10.30
Wodonga Woo w Boul			N/E.	A.C., 3 ph	3,175	493	6	1,11,33
Wonga Park Woodend	• • • • • • • • • • • • • • • • • • • •		E/M.	A.C., 1 ph.	79	3	7.	18.5.38
Wool Wool	• • • • • • • • • • • • • • • • • • • •		C'maine.	A.C., 3 ph. and I ph	1,256	266	6	1.8.29
Woorndoo			S/W.	A.C., 3 ph	$\frac{30}{40}$	4 4	7 7	15.10.24
Wunghnu		• • • • • • • • • • • • • • • • • • • •	N/E.	A.C., 1 ph	200	18	7	8.12.38 10.33
Wy Yung			Gipps.	A.C., 3 ph. and 1 ph	50	8	;	$\frac{10.33}{28.9.28}$
Yallock			Gipps.	A.C., 1 ph	80	2	7	25, 11, 37
Variations.	• • • • • • • • • • • • • • • • • • • •	• •	S/W.	A.C., 1 ph. (230 V. only)	120	4 70	7	22.6.38
37 37			Gipps. E/M.	A.C., I ph A.C., I ph	$\frac{250}{110}$	70	7	8.2.36
V			E/M.	A.C., I ph	312	$\begin{array}{c} 15 \\ 46 \end{array}$	7	28.9.37
Yarragon			Gipps.	A.C., 3 ph. and 1 ph	600	127	'	$15.3.34 \\ 1.11.23$
Yarrawonga			N/E.	A.C., 3 ph	2,700	532	6	1.11.23 $1.8.25$
			E/M.	A.C., 1 ph	15	7	7	24.2.34
Yeringberg	· · · · · · · · · · · · · · · · · · ·	• •	E/M. Gipps.	A.C., 1 ph	20	. 8	7	7.7.33
Yinnar			1 (1 20 20 4)	A.C., 3 ph. and I ph	450	123	7	28, 11, 27

ABBREVIATIONS.

Metro, = Metropolitan Branch.

Ball, = Ballarat Branch.
Bend, = Bendigo Branch.

C'maine, = Castlemaine Branch.

E/M. = Eastern Metropolitan Branch.

System of Supply.—A.C. Single-phase 200-400 V. in Metropolitan area, 230-460 V. in other areas; A.C. Three-phase 230-400 V.

ELECTRICITY SUPPLY UNDERTAKINGS (MUNICIPAL AND PRIVATE).

Municipality or Centre.	Supply Authority.	System of Supply.	Popu- lation.	Number of Consumers.	Tariffs.
METROPOLITAN.			` -	· · · · · · · · · · · · · · · · · · ·	
City of Melbourne (excl. Fleming-	by State Electricity Commission. Melbourne City Council	\begin{cases} \D.C., 230-460 \ v. \A.C., 3 \ ph., 230-400 \ v. \end{cases}.	92,800	26,300	Metropolitan Standard Tariff
ton) Box Hill, Black- burn and Mit-	Box Hill City Council	A.C., 3 ph., 230-400 v.	22,990	6,475	apply in all these territories with the exception of that of the Mel bourne City Council, which ha
cham Shire Brunswick Coburg	Brunswick City Council Coburg City Council	A.C., 3 ph., 230–400 v. A.C., 3 ph., 230–400 v.	59,000 42,600	14,030 10,981	the following Metropolitan Standard Tariffs only:—Residential All Purposes, Night Rate, Water
Footscray and part of Braybrook Shire	Footscray City Council	! A.C., 3 ph., 230–400 v.	54,000	12,948	Heating. In addition to the above, the Melbourne City Council has Tariff
Heidelberg (exel. Greensborough)	Heidelberg City Council Northcote City Council	A.C., 3 ph., 230–400 v. A.C., 3 ph., 230–400 v.	25,077 41,308	6,931 11,149	different from Standard for commercial and industrial lighting radiators, and power an
Vortheote Port Melbourne Preston Williamstown	Port Melbourne City Council Preston City Council	A.C., 3 ph., 230–400 v. A.C., 3 ph., 230–400 v. A.C., 3 ph., 230–400 v.	12,250 32,257 22,500	3,031 8,640 6,592	heating.
		1	404,774	107,077	
COUNTRY.		1	. :		Lighting. Power.
Apollo Bay Ararat Aspendale, Chelsea, and Carrum		D.C., 230 v	. 5,300 8,000	$ \begin{array}{r} 131 \\ 1,127 \\ 2,539 \end{array} $	1s. 3d. to 1s 6d. to 3d. 9d 3½d. 8d. to 1¼d 4d. to ·35d.
Avoca Baechus Marsh	Avoca E.L. Co. Pty. Ltd. Bacchus Marsh Shire Council Ballan E.S. Co. Pty. Ltd.	D.C., 230 v	1,500 1,510 600	212 437 125	1s. 3d. to 1s 6d. to 3d. 10d. to 9d 5d. to 3d. 1s. 3d 6d.
Ballan Beaufort	Ripon Shire Council	A.C., 230–400 v	1,500	254	9d 3d.
Beechworth	Beechworth Shire Council	A.C., 230–400 v	1,850 550	$\frac{429}{139}$	1s 6d. 1s. 3d 4d.
Seulah Sirchip	Birchip E.S. Co. Ltd.	D.C., 230 v	800	203	1s 6d. to 4d.
Boort	Boort Co-op. Butter & Ice Co. Ltd. Block and Sons Pty. Ltd.	D.C., 230 v	650 · 500	$\frac{205}{142}$	1s. 3d. to 9d 6d. to 4d. 1s. 3d. to 1s 6d. to 2d.
Bright Broadford	Broadford Shire Council	D.C., 230 v	1,000	200	9d 6d.
Cardross	Mildura City Council	A.C., 230–400 v.		(Incl. in Mildura)	9½d. to 6¾d Dom. 2¾d. Ind. 4¾d. to 1d.
Casterton Charlton	Charlton E. L. & P. Co. Ltd Gunbower Co-op. Butter Factory	D.C., 230 v	1,800 1,400 1,250	392 530 268	1s. to 7d 5d. to 1·1d. 1s. to 9d 4½d. 1s. to 9d 6d. to 3d.
Coleraine	& Trading Co. Ltd. Hamilton E.S. Co. Ltd. Corindhap Hydraulic G.S. Co.	A.C., 230–400 v	900	243 · ·	11d 6d. to 4d. No supply to consumers
orryong		A.C., 230–400 v	550	175	Is. 3d 6d. to 3d.
Daylesford	Ex. of late M. Pollard	D.C., 230-460 v	3,400	$\frac{586}{434}$	10d 5d.
Oimboola Oonald	Dimboola Shire Council	D.C., 230-460 v. D.C., 230 v.; A.C., 230 v.	$\frac{1,650}{1,700}$	406	1s. to 8d 6d. to 3d. 1s 6d. to 2\frac{3}{4}d.
Oncaster and	Doncaster Shire Council	A.C. 1 ph., 200-400 v.	2,700	480	7d 4d. to 35d.
Templestowe Edenhope Elmore	Edenhope E.S. Co. Pty. Ltd Elmore Elec. L. & P. Co. Ltd	D.C., 230 v	600 800 300	62 190 36	1s. 3d 9d. 1s. to 6d 6d. to 4d. 1s. 4d 6d.
doroke	Border Trading and Manufacturing Co. Pty. Ltd.	1 -			
Jumbower	Gunbower Co-op. Butter Factory and Trading Co. Ltd. Hamilton E.S. Co. Ltd.	D.C., 230 v A.C.,	225 5,900	$\frac{33}{1,447}$	1s. to 9d 6d. to 2d. 5d. to 4d 4d. to 1d.
familton	McIvor Shire Council	230–400 v. D.C., 230 v	1,500	231	1s 6d. to 3d.
Heathcote Hepburn	Hepburn Springs E.S. Co. Ltd.	A.C., 230–400 v	700	195	1s. to 9d 4d. to 3d.
Teywood	G. J. Harding & Co. Pty. Ltd. Karkarooc Shire Council	HA.C., 230-400 v	600 800	181	1s. 3d. to 1s 6d. to 3d. 10d 4d.
Hopetoun	Horsham Borough Council	- D.C., 230–460 v.; A.C., 230 v.	5,400	1,359	9d. to 4d 4d. to 14d.
Inglewood Irymple	Inglewood Borough Council Mildura City Council	A.C., 230–400 v.	1,100	220 (Incl. in Mildura)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Jeparit Kaniva	Block & Sons Pty. Ltd Kaniva Shire Council	D.C., 230 v	850 1,200	245 193	1s 6d. 1s 6d. to 5d.
Kerang	Kerang Shire Council	A.C., 230–400 v.	2,900	695	9d 5d. to 1½d.
Kilmore Koondrook	Kilmore Shire Council Kerang Shire Council	D.C., 230 v	1,000 600	213 [*] 94	10d. to 6d ! 4d. 1s. 3d 9d. and 6d.
Korong Vale	Korong Shire Council	A.C., 230–400 v.		(Sce Wedderburn)	ls 5d. to 4d.
Lake Boga	Swan Hill Shire Council	A.C., 230–400 v	350	(Incl. in Swan Hill) 60	Is. 1d. to 6d 3d. Is. 4d 6d. to 1d.
Manangatang Merbein	Mildura City Council	1 44 000 100		(Incl. in Mildura)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Mildura	Mildnra City Council	+ A.C., 230–400 v.	14,500	3,103	City, 7d. to $5\frac{3}{4}$ d. : City — Dor District, $9\frac{1}{2}$ d. 2d., Ind. $4 \cdot 56$ to $6\frac{3}{4}$ d. to 9d. Dist. Dom. 2.75

^{*} The tariffs available at Aspendale, Chelsea and Carrum are similar to those at the State Electricity Commission's Frankston centre

ELECTRICITY SUPPLY UNDERTAKINGS (MUNICIPAL AND PRIVATE)—continued.

Municipality or Centre.	Supply Authority.	System of Supply.	Popu- lation,	Number of Consumers.	Tariffs.		
COUNTRY—con-				:	Lighting.	Power.	
unuea.			į		: !		
Minyip	Dunmunkle Shire Council		700	191	ls. ld	8d. to 2d.	
Myrtleford	Block and Sons Pty. Ltd	A.C., 230-400 v.	. 700	197	ls. to 9d.	6d. to 3d.	
Murrayville	Walpeup Shire Council		. 450	80	ls. 3d.	6d. to 3d.	
Murchison	Waranga Shire Council	A.C., 230–400 v.	650	133	ls. 2d. to 9d	$5\frac{1}{2}$ d. to 2d.	
Murtoa	Dunmunkle Shire Council		. 1,240	332	9d	5d. to 2d.	
Nagambie	Goulburn Shire Council	D.C., 230–460 v.	. 800	200	10d	6d.	
Natimuk	H. C. Woolmer	A.C., 230-400 v.	. 550	100	ls. 3d. to ls	6d. to 4d.	
Nhill	Lowan Shire Council		. 1,990	458	10d	5d. to 2\frac{1}{2}d.	
Nyah and Nyah West	Swan Hill Shire Council			(Incl. in Swan Hill)	ls. ld. to 6d	3d.	
Omeo	Omeo E.S. & Motor Co. Pty. Ltd.		. 500	120	ls. 3d.	6d.	
Orbost	Orbost Butter Produce Co. Ltd.	D.C., 230 v	. 1,600		· 10d. to 7d	5d. to 3d.	
Ouyen	Walpeup Shire Council		1,100		11d	$5d$, to $1\frac{1}{2}d$.	
Pyramid	Gordon Shire Council	A.C., 230–400 v.	. 550		1s. 3d	6d.	
Phillip Island	Phillip Island Shire Council		. 200	105	1s. $1\frac{1}{2}$ d	7d.	
Portland	Portland Borough Council	A.C., 230-400 v.	. 2,500	630	10d. to 7d	5d. to 3d.	
Quambatook	Kerang Shire Council		. 500	122	1s. 3d. to 1s	6d. to 4d.	
Rainbow	Rainbow E.L. Co	1 0 300 100	. 1,000	182	1s. to 8d	6d.	
Red Cliffs	Mildnra City Council			(Incl. in Mildura)	9⅓d. to 6¾d	Dom. $2\frac{3}{4}$ d. Ind. $4\frac{3}{4}$ d. to 1d.	
Rupanyup	Dunmunkle Shire Council		. 600	158	ls. ld	8d. to 2d.	
Rushworth	Waranga Shire Council		1,200	300	9d	$4\frac{1}{2}$ d. to 2d.	
Sea Lake	Wycheproof Shire Council	D.C., 230 v	. 950	239	1s. 3d. to 9d	6d. to $2\frac{1}{2}d$.	
Seymour	Seymour Shire Council		2,250	692	10d	3d. to 2d.	
Stawell	Stawell Borough Council		. 4,500	1,043	9d	4d. to 1d.	
St. Arnaud	St. Arnaud Borough Council	A.C., 230–400 v.	. 3,000	723	11d. to 10d	5d. to $2\frac{3}{4}$ d.	
Swan Hill	Swan Hill Shire Council	A.C., 230–400 v.	. 6,000	Swan Hill,	Town, 8d. to 3d.	Town, $1\frac{1}{2}d$.	
				956	District, Is. 1d.	District, 3d.	
				District, 547	to 6d.		
Tallangatta	Shire of Towong	- A.C., 230-400 v.	. 650	188	ls	5d. to 4d.	
Ultima	Swan Hill Shire Council	A.C., 230-400 v.		(Incl. in Swan Hill)	1s. 1d. to 6d	3d.	
Underbool	A. J. Gloster	D.C., 230 v	. : 250	32	ls. 3d	6d. to 4d.	
Warburton	Upper Yarra E.S. Co. Pty. Ltd.	1 0 200 100	1,200	231	8d	4d.	
Warracknabeal	Warracknabeal E.L. Co. Ltd		2,800	671	10d	6d. to 4d.	
Wedderburn	Korong Shire Council			Wedderburn.		5d. to 4d.	
(Incl. Korong	Notong Panic Common	11	,	154			
Vale)				Korong Vale,			
Wonthaggi	State Coal Mine		. 9,000	1,486	7d	3d. to 14d.	
Woorinen	Swan Hill Shire Council			(Incl. in Swan Hill)	Is. Id. to fid	3d.	
Wycheproof	Wycheproof Shire Council	D.C., 230 v	. 800	207	ls. 3d. to 9d	6d. to 3d.	
Yarram	Yarram H.E. Co. Ltd		. 1,400	430	11d		
Yea	Yea Shire Council		. 950	237	10d. to 9d	4d. to 3d.	
	A CONTRACT ON THE				200.0000	ia. wood.	

STATE OF VICTORIA. .

ELECTRICITY SUPPLY UNDERTAKINGS—SUMMARY.

					Number		Consu	mers.	Kilowatt-h	ours Sold.
					of Centres.	Population.	Number.	Percentage of Grand Total.	Number,	Percentage of Grand Total
STATE ELECTRICITY Metropolitan Provincial Cities	COMMISSIC	ON OF V	ICTORI.	A	22	673,518	178,330	44.62	362,796,895	49.49
Ballarat Bendigo					3 5	39,930 32,102	$\frac{8,270}{7,378}$	2 .07 1 .85	6,644,943 $6,751,826$	0.91
Geelong Country	••				7 404	49,600 255,218	11,665 55,090	2.92 13.78	21,910,811 71,599,187	0.92 2.98 9.77
osumery	Total				441	1,050,368	260,733	65.24	469,703,662	64.07
THER UNDERTAKI				-						,
Metropolitan (rec Electricity (State	10	404,774	107,077	27.22	240,101,996	32.75
Country		• •			80	131,265	30,134	7.84	23,300,000	3.18
	Total				90	536,039	137,211	34.76	263,401,996	35.93
	GRAND TO	TAL			531	1,586,407	397,944	100.00	733,105,658	100.00

NEW SOUTH WALES UNDERTAKINGS (BULK SUPPLIES).

Municipalities of Albury, Berrigan, Coreen, Corowa and Moama purchased from the Commission 8,300,891 kWh. during the year.

STATE ELECTRICITY COMMISSION OF VICTORIA.

COUNTRY UNDERTAKINGS ACQUIRED—INCREASED DEVELOPMENT SINCE ACQUISITION.

				Acquisition	After Acq Year 19	uisition. 38-39.	Prid	or to Acquisition	on.	Average k W	Revenue per h. Sold.
	Location	ı .		Date.	kWh. Sold.	Revenue.	kWh. Sold,	Revenue.	For Year Ended.	1938 - 39,	Prior to
					·	£		£	·		d.
Metrop Werribee		Branch.		10 (2)	1 110 510	0.550	41.100				
werribee	• •			10.4.24	1.119,510	9,759	61,190	2.575	30.9.23	2:09	10.10
	orgo Br	RANCH.		: !							
Eaglehawk	• •			1,2,36	234,039	4,762	198,580	4,472	30, 9, 35	4.88	5.40
CASTLE	MAINE	Branch.			!						
Castlemaine				31.12.29	803,385	10,786	175,904	7,130	31, 12, 28	3 . 22	9 · 73
Dunolly			• •	1.4.38	45,225	1,178	32,667	1,188	30.9.37	$6 \cdot 25$	8.73
Gisborne Kyneton				1.10.28 $1.10.29$	102,048 $461,848$	$\frac{1,535}{6,894}$	17,000	1,074	30.9.27	3.61	15.16
Maryborough				1.10.25	878,636	12,168	143,340 421,013	$\frac{5,433}{10,215}$	30.9.27 $30.9.37$	$\frac{3.58}{3.32}$	9 09
Sunbury				1.5.26	309,566	4,018	58,501	2,490	30.9.24	3 12	10.51
Woodend				1.8.29	189,060	2,909	51,000	2.555	30.9.27	3 . 69	15.05
EASTERN ME	TROPOL	ITAN RDA	NCH.								
Dandenong		TTAN DRE	INCH.	1, 10, 23	1,797,019	17,003	77,300	4,006	30, 9, 23	2 · 27	. 12:44
Frankston				21.2.28	2,032,404	18,897	293,000	8,859	30, 9, 23 $30, 9, 27$	$\frac{5}{2} \cdot \frac{27}{23}$	7 25
Healesville				1.4.33	730,556	8,270	108,910	4,196	30.9.31	$\frac{1}{2} \cdot 72$	$9.\overline{24}$
Lilydale Mornington			• •	1.4.25	951,867 695,487	6,646	39,950	1,816	30.9.24	1.68	10.91
Mornington Ringwood and	 l Crove	lon		$\frac{1.8.30}{1.4.25}$	1,137,814	9,031 $12,368$	120,000 181,600	$\frac{4,634}{4,393}$	30.9.28	3.12	9:26
Sorrento and					685,628	9,683	47,500*	2,440	$30, 9, 24 \\ 30, 9, 27$	2.61 3.39	5 81 - 12 33*
Common	T			:	;			,			:
GIPPSI Bairnsdale	LAND B	BRANCH.		1.4.27	1,185,630	13,619	100,272	3.010	20 0 22		=
Drouin				3, 10, 24	540,300	3,863	19,500	$\frac{2,948}{743}$	$30, 6, 23 \\ 30, 9, 21$	2 · 76 1 · 72	7:06 9:15
Garfield				1.8.29	39,810	602	8,864	465	30.12.27	3 .63	12.59
[nverloch	• •			1,10,34	67,250	1,026	4,000*	200	30.6.34	3.66	12 '00*
Koo-wee-rup	• •	• •	• •	1.8.35	272,520	3,507	17,481	686	9.8.33	3.09	9.42
Korumburra Leongatha				1.12.24 $15.2.24$	736,040 534,170	$\frac{7,271}{6,015}$	85,000 50,640	$\frac{3,427}{2,012}$	30.9.23	2:37	9.68
Maffra				1.9.24	1,030,610	9,883	62,000	2,651	30.6.23 $30.9.22$	2:70	9:53
Morwell				1.4.26	1,514,670	9.872	52,062	1,772	30, 9, 25	1 56	8:17
Neerim South	-Nooje	e		15.1.35	449,800	4,678	59,550	1,193	30.6.33	2.20	4.81
Sale Toora–Foster	• •		• •	1.7.24 $1.5.38$	1,566,810 300,370	15,733	114,155	3.687	30,6,24	2.41	7.75
Thorpdale				23.12.37	15,450	$\frac{4,475}{330}$	116,330 5,000*	2,348 312*	30.6.36 $23.12.37$	3.58	4.84
Warragul				1.12.30	869,620	10,022	150,000*	4,830	30, 11, 30	5.13	14 '98*
Norms E		D.,					. !				
North-E. Alexandra	ASTERN	BRANCH.		11,4,27	224,317	2,866	64,000*	1,875	20 0 20	9.0-	
Benalla				1.5,26	1,042,416	12,639	70,800	3,373	$30.9.26 \\ 30.9.24$	3:07	7 *00* 11,43
Cobram				1,10,28	123,686	2,550	19,500	1,416	30, 9, 27	4.95	17:43
Euroa			• •	20.3.28	218,890	4,083	46,618	1,782	30.9.25	4.48	9.17
Kyabram Mansfield	• •		• •	$1.12.26 \\ 1.6.28$	652,381	$\frac{6,718}{2,591}$	92,312 25,000	3,462	4.7.25	2:47	9.00
Mooroopna				1.10.26	673,459	4,705	40,000	$1,341 \\ 1,457$	$30, 9, 27 \\ 30, 9, 25$	$\frac{1.3.71}{1.68}$	$\frac{12.88}{8.74}$
Nathalia and				1.10.31	538,384	6,461	96,763	3,619	30,9,31	2.88	8:97
Rochester				1.8.35	311,553	3,926	191,310	4,223	31.7, 35	3.02	5.30
Rutherglen				15, 10, 26	1,830,772	8,618	28,392	1,377	30.9.24	1.13	11.64
Shepparton Stanhope		• •	• •	$1, 1, 25 \\ 14, 6, 38$	2,605,432 47,421	$24,343 \\ 991$	163,400 5,150*	$\frac{4,625}{341}$	30.6.24	2.24	6:79
Tatura				1.11,26	253,155	3,016	40,000	1,710	$14.6.38 \\ 30.6.25$	5:02 2,86	15 · 89* 10, 26
Violet Town				1.3.36	58,018	1,153	14,650	1,160	30, 9, 35	4:77	19:00*
Wahgunyah				1.2.26	44,939	720	7,233	263	30, 9, 22	3.85	8.73
Wangaratta Wadanga				12.3.27	9,327,060	39,802	151,600	4,788	30.9.25	1:02	7:58
Wodonga Yarrawonga				1.11.33 $1.8.25$	$231,008 \\ 512,711$	4,351 $6,246$	64,500* 47,000	3,000* $2,149$	30.6.33 $30.9.24$	4 · 52 - 2 · 92	11:16*
								-,,,,,,		===	10/9/
SOUTH-W			,	1 1 01	799 940	v n==	05.004	(133			
Camperdown Colac				$1.1.24 \\ 1.9.23$	722,240 $1.426,585$	8,075 $16,890$	97,664 99,000	$\frac{4,122}{2,673}$	$30.9.23 \\ 30.9.22$	2.68	10.13
Koroit				1,12,28	167,540	2,202	50,000 50,000	$\frac{2,075}{2,319}$	$30.9.22 \\ 30.9.28$	2 · 84 3 · 15	6:48
Lorne				15.12.36	308,651	3,878	24,000	1,658	30.9.36	3.02	16.58
Mortlake				16.5.24	184,022	2,394	35,306	1,626	30, 9, 22	3.15	11.05
Terang	• •		• •	4,3,24	419,041	6,011	78,839	3,439	30.9.23	3 . 44	10.47
To	tal				43,388,472	402,032	4,425,346	152,548		2 · 22	8:27
						proximate only					0 1

^{*} Approximate only.

COMPARISON OF TOTAL FIGURES.

		kWh. Sold.	Revenue.	Average Revenue per kWh.
			£	d.
After acquisition		 43,388,472	 402,032	 $2 \cdot 22$
Prior to acquisition		 $4,\!425,\!346$	 152,548	 8.27
Increase in sales and	revenue	 880%	 164° o	 Decrease $6.05 = 73^{\circ}$

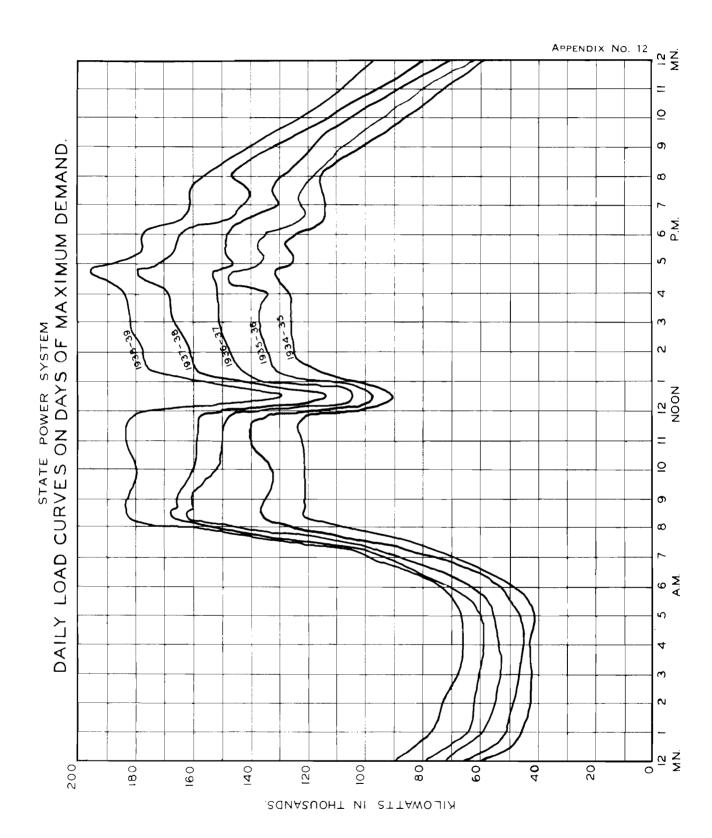
APPENDIX No. 11.

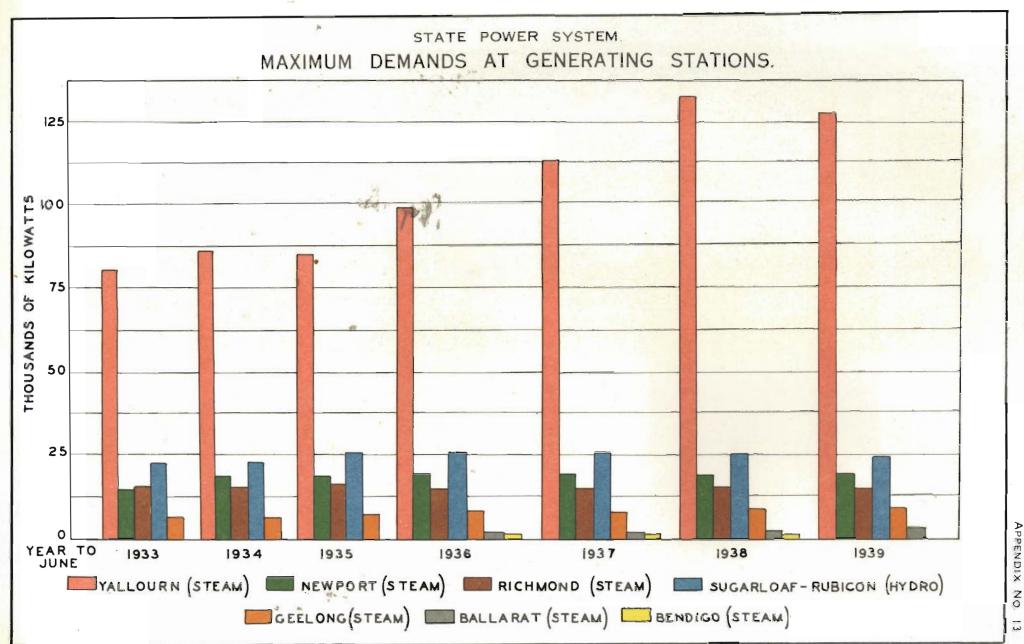
STATE ELECTRICITY COMMISSION OF VICTORIA.

TRANSMISSION AND DISTRIBUTION SYSTEMS.

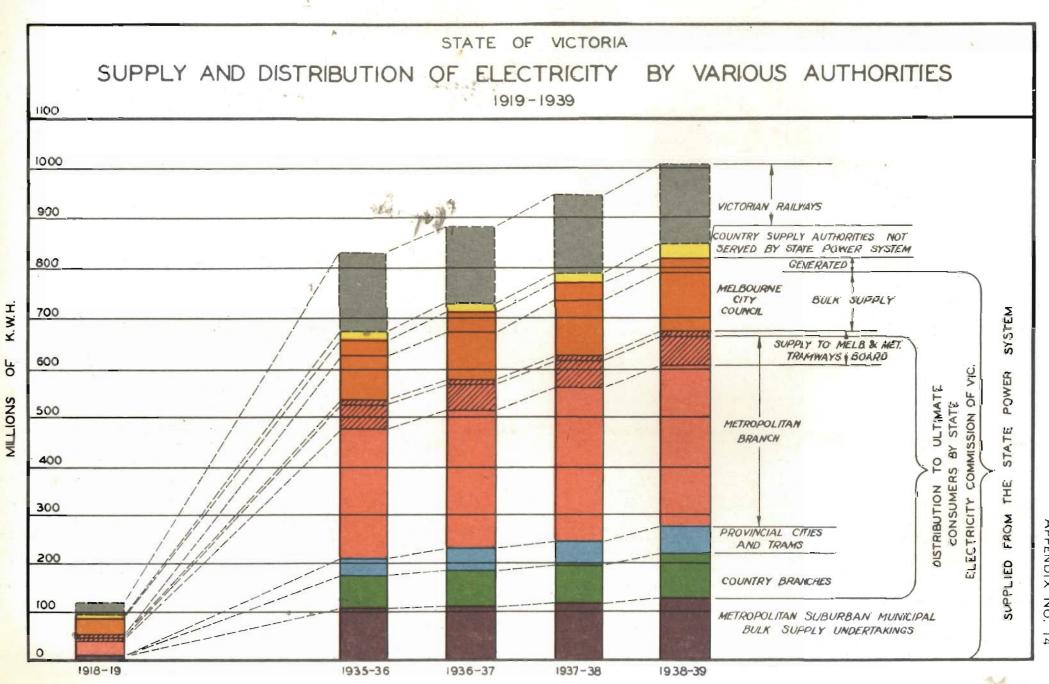
		Dec. onto	Hour.				Increase D Ended 30th	uring Year June, 1939.	Total at 3	Oth June, 193
		Descript	non.				Route Miles,	Cable Miles.	Route Miles.	Cable Miles.
	OVE	RHEAI	ואוו	F Q						
. II									110	
allourn to Yarra allourn to Richt				132 k 132 k					$\pm \frac{110}{80} \pm$	660 480
arraville to Geel				66 k\					39.3	
ugarloaf to Thon		. :•		66 k\			٠: ي		62	345
lain Metropolitan	Transm	Ission		66 k\ 22 k\			5·5 [3·4	33 50	$\frac{5.5}{169.2}$	33 561 ·
BRANCHES				K.				1		*/(/1
Metropolitan				22 k\			2:0	6:2	27.9	81
					1·6, 4·16 tension	к ч	17·7 28·1	$\frac{59.6}{137.0}$	302 · 3 1,434 · 2	819 · 6.084 ·
Ballarat				6.6 k			1.7	7.6	72.7	206
D					tension		5/3	25:3	128:0	474
Bendigo				66 kV 22 kV			22 2	66 - 6	93 4 47 6	436
				6:6 k			l·l	3 · 3	47.6	141
					tension	!	4.6	115.5	124 5	543
Castlemaine				22 k\			38 1	102:0	186:4	517
				6.6 k	tension		4 · ()	33 2	1 · 6 163 · 7 ·	4 · 535 ·
Eastern Metropo	olitan			22 kV			62:0	163 2	307 1	802
				6:6 k			-12 6	30 · 7	95.5	236
41 1					tension		35.7	119:1	474 · 1	1,518
Geelong	• •	• •		22 kV 6 6 k			$\frac{2 \cdot 1}{3 \cdot 6}$	6 · 2 16 · 4	$\frac{2 \cdot 1}{125 \cdot 8}$	6.
					tension		6.8	20.0	158 6	$\frac{410}{569}$
Gippsland				22 kV			166.3	403 7	804 · 1	2,050
				6:6 k			7:6	15 2	0.9	1.
North-Eastern				66 kV	tension		$\frac{72 \cdot 7}{73 \cdot 1}$	$\frac{248}{215} \frac{0}{4}$	452 · 4 181 · 4	1,586 · 556 ·
MOTOR PROSCER				22 kV		::	50.4	J21·9	423.5	1,305
				6.6 k	V		1.2	3 · 6	6.0	16.
er at War					tension-		$26 \cdot 7$	$92 \cdot 7$	265 0	973
South Western				44 kV 22 kV			227.5	465 3	$\frac{116 \cdot 2}{441 \cdot 9}$	487 · 976 ·
				6:6 k			227 17	40.7 .3	118.6	293
				Low t	tension		$37 \cdot 5$	111.4	263 · 6	698
UMMARY				132 k	Y				190	1,140
	٠.			66 kV			78:6	248 4	381 6	1,489
				44 kV					116:2	487
				22 kV		1.17	584.0	1.385 1	2,409.8	6,443
					6. 4.16 ension	K 1	2 · 9 221 · 4	$\frac{38.0}{902.2}$	723 °4 3,464 ° I	1,989 : 12,983 :
				,		-				
							886 - 9	2.573 · 7	7,285 · 1	24,532
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-				-						
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	301	B-STAT	LIUNS.							
			• •	• •			<u>·2</u> l	90,000 16,500	6 23	351,900
			oltage					16,800	13	249,500 $27,530$
ain Metropolitan	ations at		-							~1,000
lain Metropolitan Distribution sub-st RANCHES	ations at		• •				33	5,720	621	146,940
lain Metropolitan bistribution sub-st RANCHES Metropolitan		,				::	14 6	831 $2,960$	60	$\frac{4,685}{14,720}$
ain Metropolitan istribution sub-st RANCHES							9	2,960 840	104	$\frac{14,720}{5,995}$
lain Metropolitan bistribution sub-st RANCHES Metropolitan										
lain Metropolitan istribution sub-st RANCHES Metropolitan Ballarat Bendigo Castlemaine Eastern Metropo	 ditan						50	2,425	365	12,224
ain Metropolitan istribution sub-st RANCHES Metropolitan Ballarat Bondigo Castlemaine Eastern Metropo Geelong	 ditan					::	10	1,270	109	11,452
lain Metropolitan istribution sub-st iranotes Metropolitan Ballarat Bendigo Castlemaine Eastern Metropo Geelong Gippsland	 ditan						10 146	$1,270 \\ 3,171$	109 562	11,452 $13,495$
lain Metropolitan istribution sub-st irANOHES Metropolitan Ballarat Bendigo Castlemaine Eastern Metropo Geelong	 ditan					::	10	1,270	109	11,452 $13,495$ $32,875$
Ballarat Bendigo Castlemaine Eastern Metropo Geelong Gippsland North-Eastern	 ditan						10 146 35	1,270 3,171 3,310	109 562 215	11,452 $13,495$

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APPENDIX **Z** 0.

STATE ELECTRICITY COMMISSION OF VICTORIA

ELECTRICITY GENERATED AT POWER STATIONS

(YALLOURN, NEWPORT B, RICHMOND, SUGARLOAF-RUBICON, KWH. K.W. MILLIONS THOUSANDS -78 1060 200 GEELONG AND BALLARAT)

