

1947.  
VICTORIA.

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STATE ELECTRICITY COMMISSION OF  
VICTORIA.

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TWENTY-EIGHTH ANNUAL REPORT

COVERING THE

FINANCIAL YEAR ENDED 30<sup>TH</sup> JUNE, 1947,

TOGETHER WITH

APPENDICES.

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

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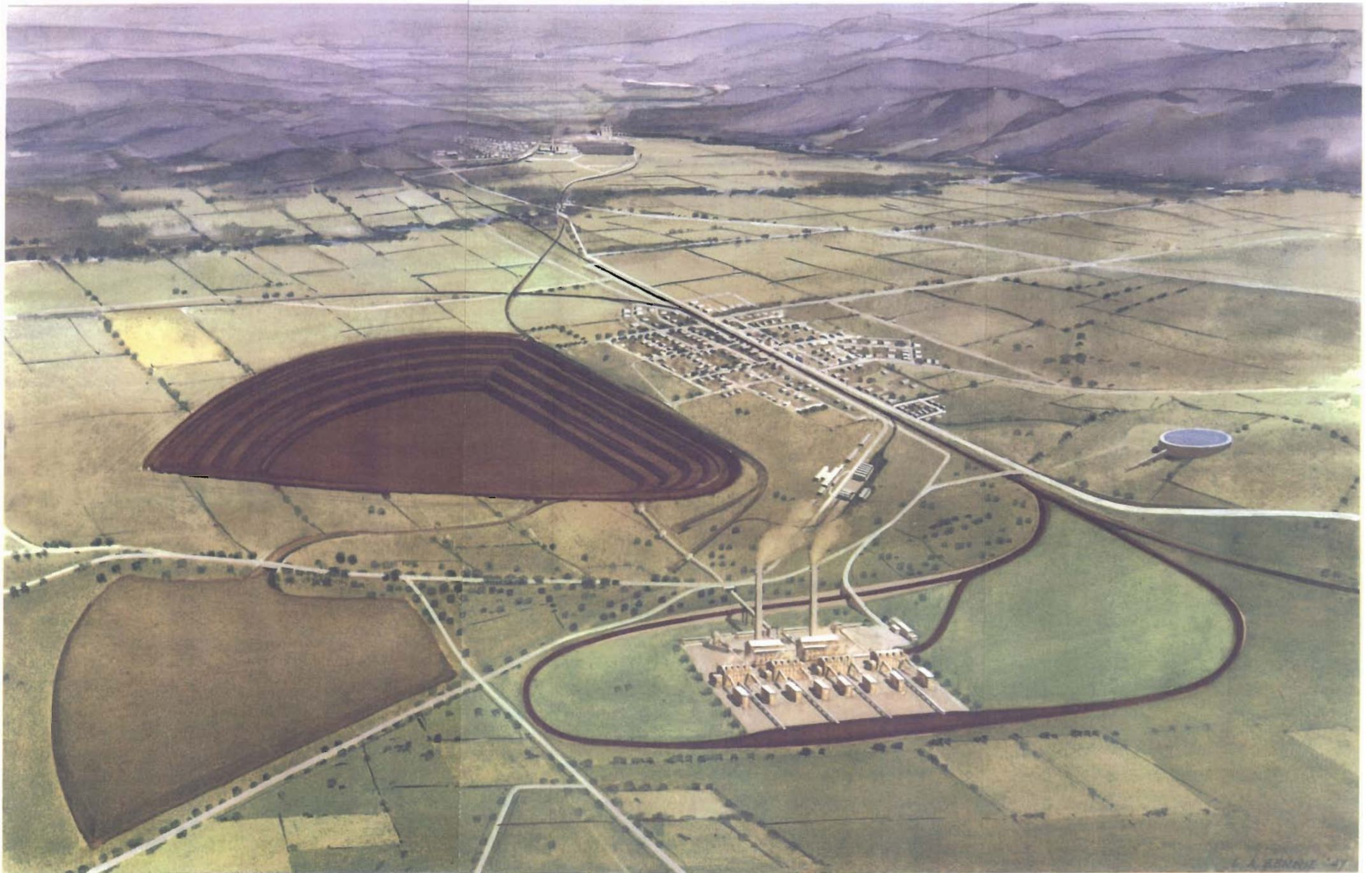
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## BROWN COAL DEVELOPMENT

MORWELL PROJECT FOR PRODUCTION OF BRIQUETTES



PRODUCTION CAPACITY OF BRIQUETTE FACTORIES

FIRST STAGE—1,300,000 Tons Per Annum

ULTIMATE DEVELOPMENT—2,600,000 Tons Per Annum

YALLOURN IS SHOWN IN BACKGROUND



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## STATE ELECTRICITY COMMISSION OF VICTORIA.

## FEATURES OF YEAR'S OPERATIONS.

	1946-47.	1945-46.	Increase or Decrease.	Percentage.
<b>FINANCIAL.</b>				
<b>REVENUE—</b>				
Electricity Supply .. .. . £	5,835,194	5,605,333	+ 229,861	+ 4.1
Briquetting (after Stock Adjustment and less Sales to Works) .. .. . £	321,711	341,761	— 20,050	— 5.9
Brown Coal .. .. . £	67,767	25,702	+ 42,065	+ 163.7
Tramways .. .. . £	142,281	146,503	— 4,222	— 2.9
Miscellaneous .. .. . £	32,561	40,886	— 8,325	— 20.4
	£ 6,399,514	6,160,185	+ 239,329	+ 3.9
<b>EXPENDITURE</b> (including Reserves, Appropriations, Writings off, &c.) .. .. . £	6,310,109	6,096,722	+ 213,387	+ 3.5
<b>NET SURPLUS</b> .. .. . £	89,405	63,463	+ 25,942	+ 40.9
<b>ACCUMULATED PROFIT—At end of Year</b> .. .. . £	341,803	252,398	+ 89,405	+ 35.4
<b>CAPITAL EXPENDITURE—At end of Year</b> .. .. . £	36,460,148	33,622,088	+ 2,838,060	+ 8.4
<b>RESERVES—At end of Year</b> .. .. . £	15,686,004	14,448,315	+ 1,237,689	+ 8.6
<b>ELECTRICITY PRODUCTION AND SALES.</b>				
<b>MAXIMUM COINCIDENT DEMAND ON GENERATING STATIONS (This Year—June 27th)</b> .. .. . kW	364,750	377,100	— 12,350	— 3.3
<b>ELECTRICITY GENERATED</b> .. .. . kWh—millions	1,691.0	1,594.9	+ 96.1	+ 6.0
<b>ELECTRICITY SALES</b> .. .. . kWh—millions	1,344.1	1,274.5	+ 69.6	+ 5.5
<b>NUMBER OF CONSUMERS</b> (excluding Bulk Supplies) ..	339,286	321,631	+ 17,655	+ 5.5
<b>AVERAGE kWh SOLD PER CONSUMER—</b>				
Domestic .. .. .	1,015	928	+ 87	+ 9.4
Industrial .. .. .	38,330	41,860	— 3,530	— 8.4
Commercial .. .. .	2,769	3,104	— 335	— 10.8
All Consumers (excluding Bulk Supplies) .. .. .	2,696	2,616	+ 80	+ 3.0
<b>AVERAGE PRICE PER kWh SOLD—</b>				
Domestic .. .. . d.	1.606	1.700	— 0.094	— 5.5
Industrial .. .. . d.	0.846	0.857	— 0.011	— 1.3
Commercial .. .. . d.	1.900	1.814	+ 0.086	+ 4.7
All Consumers (excluding Bulk Supplies) .. .. . d.	1.238	1.266	— 0.028	— 2.2
<b>NUMBER OF FARMS SERVED</b> .. .. .	11,680	10,209	+ 1,471	+ 14.4
<b>MOTORS CONNECTED—</b>				
Number .. .. .	77,735	71,796	+ 5,939	+ 8.3
Horse-power .. .. .	454,901	430,452	+ 24,449	+ 5.7
<b>BRIQUETTES—</b>				
Produced .. .. . tons	490,338	493,144	— 2,806	— 0.6
Sold .. .. . tons	459,322	491,441	— 32,119	— 6.5
<b>BROWN COAL—</b>				
Sales to Industry .. .. . tons	129,640	48,955	+ 80,685	+ 164.8
<b>TRAMWAY PASSENGERS</b> .. .. .	15,682,861	16,514,067	— 831,106	— 5.0



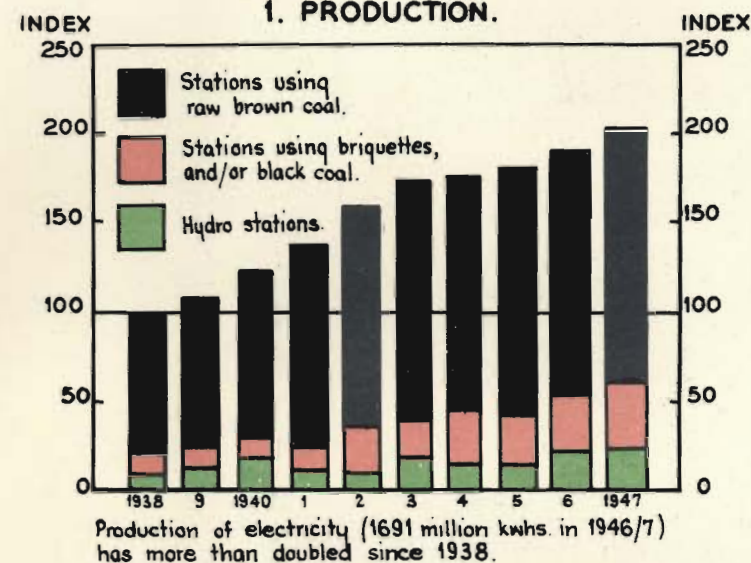


## TEN YEAR STATISTICAL REVIEW.

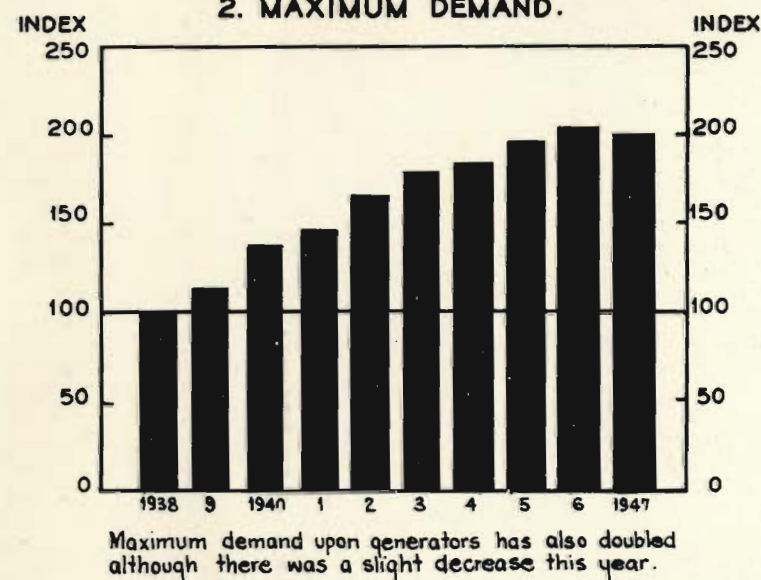
BASE YEAR 1937/8 = 100.

(STRIKES DURING 1946/7 REDUCED THE OUTPUT OF GENERATING STATIONS —  
STATISTICS ARE AFFECTED BY CONSEQUENTIAL RESTRICTIONS ON THE USE OF ELECTRICITY.)

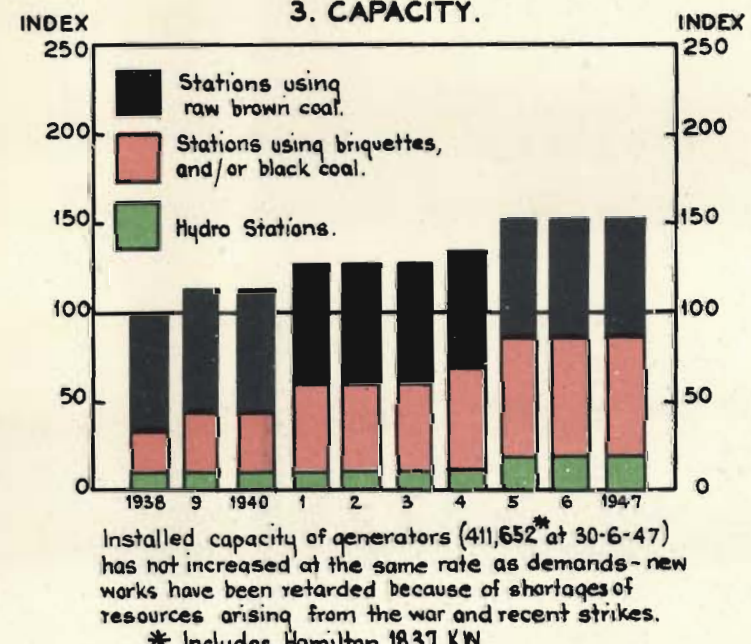
### 1. PRODUCTION.



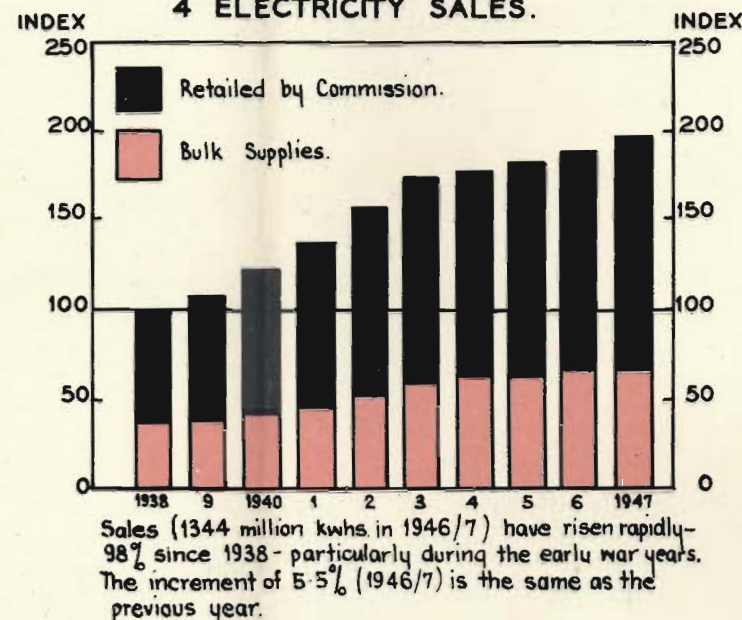
### 2. MAXIMUM DEMAND.



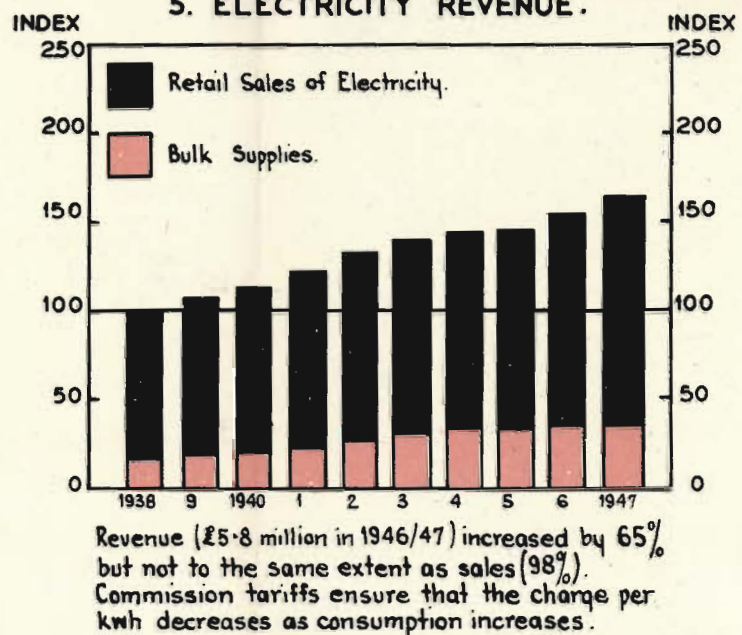
### 3. CAPACITY.



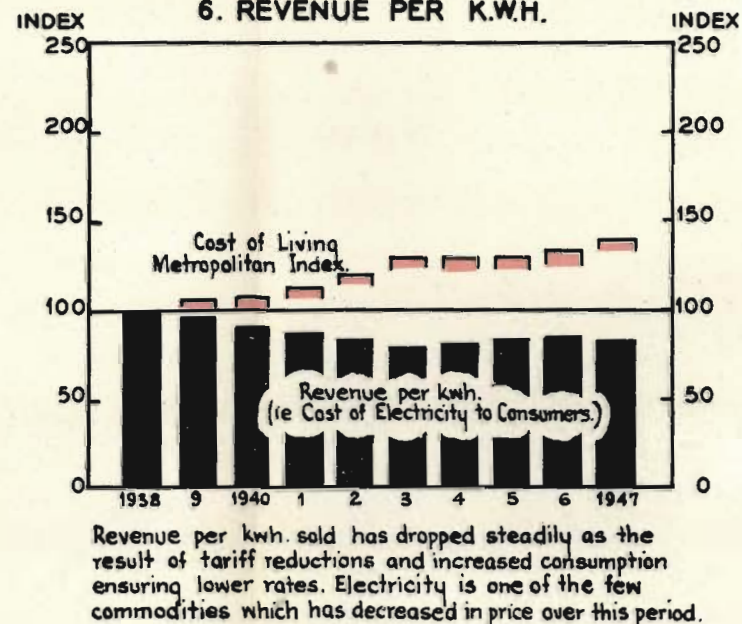
### 4. ELECTRICITY SALES.



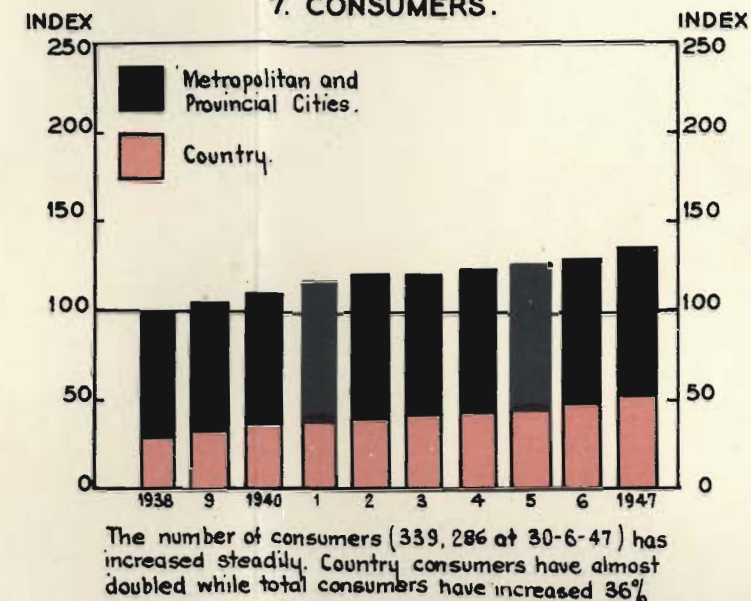
### 5. ELECTRICITY REVENUE.



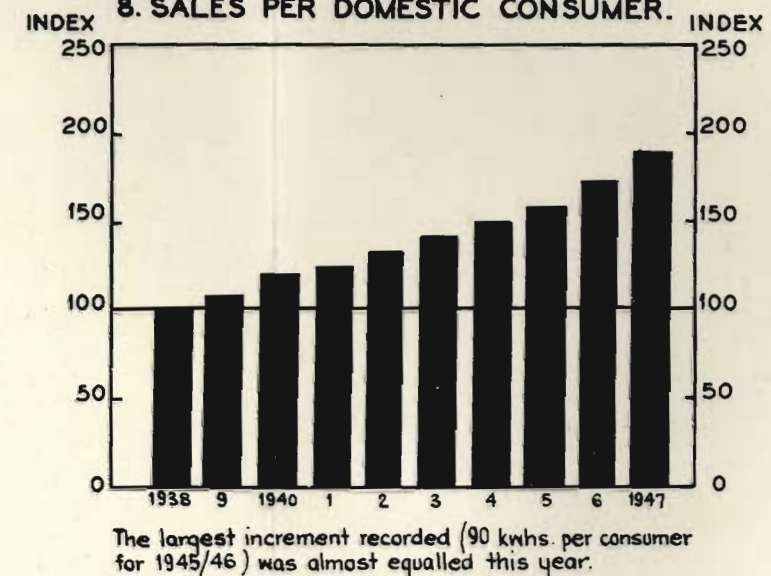
### 6. REVENUE PER K.W.H.



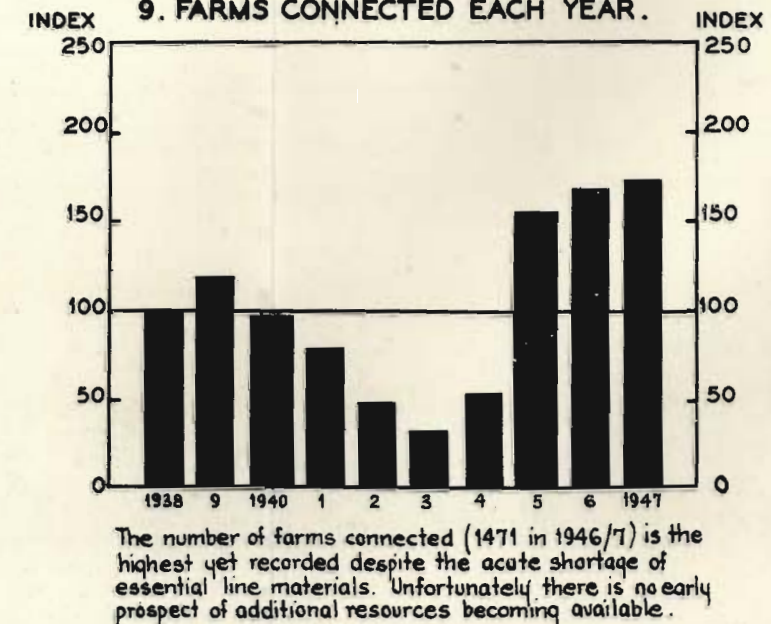
### 7. CONSUMERS.



### 8. SALES PER DOMESTIC CONSUMER.



### 9. FARMS CONNECTED EACH YEAR.





# TWENTY-EIGHTH ANNUAL REPORT

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*The Honorable J. H. Lienhop, M.L.C.,  
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 Twenty-eighth Annual Report of the Commission covering the financial year ended 30th June, 1947, together with the Balance-sheet and Profit and Loss Account.

**Operating Conditions.**—During the year under review there were prolonged industrial disputes and cessation of work by Metal Trades employees in this State which detrimentally affected production in all spheres of industry. In addition, strikes by Building Trades employees seriously hampered the Commission's operations and brought to a standstill many important phases of the construction and developmental programmes. The cessation of rail transport during April and May, 1947, resulted in a loss of production of 50,000 tons of briquettes—equal to one-quarter of the normal consumption by industry during 1946-47.

In addition to the great inconvenience and loss suffered by the community, the Commission's revenue was reduced by £315,000 as the result of the consequential restrictions upon the use of electricity and the reduction in sales of briquettes to industry.

**Generating System.**—For the last two winters electricity restrictions were unavoidable. In 1946 Commission generating stations were deprived of fuel, and 1947 marked the first occasion when the Commission's generating plant was unable to meet the system's demand and restrictions were again imposed. This position resulted directly from the widespread industrial troubles in Victoria. Unfortunately, these troubles were not settled in time to permit the completion for the winter of 1947 of the new boiler plant for the latest 30,000 kW set at the Newport Generating Station; otherwise this set had been ready for service since December, 1946. The output of the metropolitan generating stations was also further reduced as it was impossible to continue regular maintenance, and plant had to be taken out of service to avoid irreparable damage to boilers through overloading.

**Fuel Stocks and Electricity Restrictions.**—Electricity consumers will realize that, apart from the effects of the recent prolonged industrial disputes, generating resources would have proved sufficient to meet all demands, even though the increase (100 per cent) over and above pre-war demands has practically absorbed the Commission's substantial reserve plant capacity. However, without an adequate supply of fuel (briquettes or black coal) it is impossible to operate to full capacity the five thermal generating stations outside Yallourn. The Commission's anxieties for the winter of 1948 centre in the protection of such stocks of fuel as have been built up during the preceding summer months. If these stocks are again depleted in order to supply the needs of general industry, or to assist those who find it difficult to obtain their requirements of black coal, a related degree of electricity rationing must be imposed, and the electricity consumer must suffer his share of inconvenience and loss in the knowledge that assessment of rival demands for fuel and its allotment is, under the conditions which now prevail, a direct responsibility of Commonwealth and State Governments.

**Financial.**—The net surplus for the year was £89,405 after appropriations had been made for the strengthening of reserves; a further £100,000 was transferred to the Contingency Reserve and £100,000 has been reserved to aid rural development, bringing the total of this Reserve to £1,200,000.

Capital and operation charges were affected and will be yet more seriously affected by the pronounced upward trend of wages and general prices arising in particular from increases in the basic wage and various trade margins. These factors, in addition to the cost to the Commission of the introduction of a 40-hour week as from the 1st January next, will increase the annual expenditure by nearly £1,000,000, of which £600,000 will be chargeable to operations: the full incidence will be reflected in expenditure after January, 1948.

In view of the substantially higher costs of production obtaining over the last four years, and the prospect of still further additional costs, early consideration will need to be given to increases in tariffs.

**Electricity Supply.**—The Commission sold over 1,344 million kWh during the year (including bulk supplies); 98 per cent. of the kilowatt-hours sold in Victoria were generated by the Commission's system. There are now 484,000 electricity consumers in the State, of whom 339,000 (70 per cent.) are supplied directly by the Commission. The overall increase in sales was 70,000,000 kWh.

Although essential materials again were in very short supply, the number of additional consumers (17,655) was the largest yet recorded in any one year; of these, 75 per cent. were in the extra-metropolitan areas. The number of new farms connected (1,471) was also the highest recorded. This result was attained only by using up all available stocks of equipment and materials, and, unless there is a substantial improvement in the rate of deliveries of essential materials, further delay in the connection of new consumers is inevitable.

**Brown Coal Development (Morwell Project).**—A report was submitted to the Government on the 16th December, 1946, concerning the development of a new open cut and briquette factories to the south of Morwell. Legislation, based on the recommendations in this report, still awaits the approval of Parliament. This is referred to in more detail on page 8.

**Augmented Kiewa Hydro-Electric Scheme.**—The Commission's report to the Government, dated 12th June, 1937, as approved by Parliament, provided for a hydro-electric project on the Kiewa River of 117,000 kW.

In this report it was indicated that an enlarged project might be possible after further detailed investigations of the water power resources of the terrain adjacent to the Bogong High Plains.

This proposed enlargement has been adopted by the Commission and a report advancing proposals for expanding the project to 289,000 kW has been compiled for submission to Parliament.

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### ANNUAL ACCOUNTS.

The net surplus for the year was £89,405, as compared with £63,463 for 1945-46. This amount remains after transferring £54,000 from the Deferred Maintenance Reserve and providing for the usual annual charges including Depreciation, Sinking Fund contributions, Loan Flotation Expense, Provident Fund contributions, Pay Roll Tax, administration of Electric Light and Power Act, and appropriations.

Electricity supply revenue totalled £5,835,194—an increase for the year of £229,861. Expenditure on account of electricity supply, exclusive of special expenditure and appropriations, amounted to £5,081,012—an increase of £562,630.

Revenue from briquette sales, after allowing for stocks on hand, amounted to £321,711—a decrease of £20,050; expenditure totalled £365,144—a decrease of £611.

Tramways operating results were:—Ballarat, loss £7,814; Bendigo, loss £20,569; Geelong, loss £11,128; a total loss of £39,511 as compared with £16,406 for the previous year.

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

### LOAN LIABILITY.

The total loan liability of the Commission at 30th June, 1947, was £23,220,783.

The commitments involved are:—

	£
Liability to the State of Victoria .. .. .	16,257,459
State Electricity Commission of Victoria Loans .. .. .	6,938,375
Municipal Debentures in respect of Undertakings acquired ..	24,949
	<hr/>
	23,220,783

Loan Liability has increased this year by £2,293,470:—

(a) State Electricity Commission Loans .. .. .	2,500,000
(b) Increase in indebtedness to State in respect of Flotation Expenses incurred on New York Refunding Loan ..	2,409

Less—

(a) Reduction of indebtedness to State through National Debt Sinking Fund .. .. .	£ 163,822
(b) Redemption of State Electricity Commission Loans .. .. .	32,855
(c) Repayment of tenth instalment on £100,000 borrowed for tramway reconstruction .. .. .	8,560
(d) Redemption of Municipal Debentures guaranteed by Commission .. .. .	3,702
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	208,939

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2,293,470

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For the 1947-48 works programme of more than £5,000,000, the Commission sought approval to the raising by loan of £4,000,000, the remainder of the programme to be met from the Commission's own resources. The Loan Council approved of £3,000,000 and is to review the balance of the application early in 1948; arrangements have been made to borrow £2,000,000.

### RESERVES.

The Depreciation and Sinking Fund Reserve at 30th June, 1947, totalled £12,646,603—an increase of £1,098,361 for the year. Of the total, £1,581,667 was to the credit of the Commission in the National Debt Sinking Fund Reserve, £10,642,598 to the credit of the Depreciation Reserve (which, with the exception of £517,514, applied to the National Debt Sinking Fund Reserve is invested in the business of the Commission), £366,920 to the credit of the State Electricity Commission Sinking Fund Reserve, and £55,418 to the credit of the Commission in the National Recovery Loan Fund Reserve.

As a further provision for contingencies of a major nature, an appropriation of £100,000, bringing the total up to £1,002,562, was made to the Contingency Reserve. Most of this reserve is invested outside the business in trustee securities.

The Rural Development Reserve, established in 1940-41 to facilitate post-war plans for extension to rural areas, was strengthened by the transfer of £100,000, bringing the total of the reserve to £1,200,000.

#### CAPITAL EXPENDITURE.

After deductions for retirements and the writing out of non-productive expenditure, the total expenditure on capital works increased by £2,838,060. The principal increases were in the following accounts:—

	£
Coal Production .. .. .	150,885
Power Production, Thermal Stations—Newport .. .. .	416,379
Power Production, Hydro Stations—Kiewa .. .. .	397,146
Transmission Systems—	
Main Transmission Systems .. .. .	248,104
Provincial and Country Branches .. .. .	189,150
Distribution Systems—	
Metropolitan .. .. .	162,188
Provincial and Country Branches .. .. .	363,544
Briquette Production—Factory Extension .. .. .	44,436

#### COMMONWEALTH LOAN INVESTMENTS.

Investments in Commonwealth Loans at 30th June, 1947, totalled £1,545,830. Of this sum, £683,820 is invested on behalf of the Staff Provident Fund; the remainder, £862,010, is an investment of the Contingency Reserve and other funds.

#### FURTHER MAJOR DEVELOPMENTS OF THE STATE'S BROWN COAL RESOURCES.

It is now the declared policy of the State to develop its own resources to assure ultimate independence of imported solid fuel. The last Annual Report recorded that an area south of Morwell, Gippsland, had been selected by the Commission as the most favourable location for the next major development by the State of the brown coal briquette industry.

On the 16th December, 1946, the Commission submitted to the Government a report on the Morwell project, embracing a survey of the fuel market, estimated solid fuel requirements of Victoria, a study of the State's brown coal resources, technical details of the proposed open cut and briquette factory and ancillary works, with estimated capital and operating costs. The report recommended that an open cut and two briquette factories having a combined capacity of 1,300,000 tons of briquettes per annum be established and that to safeguard the Commission's financial position the enabling legislation include the following—

- (a) Provision by the State to require fuel consumers to use brown coal or brown coal briquettes produced by the Commission; and
- (b) Provision by the State that, if competition from other forms of fuel makes it necessary to sell Morwell briquettes below cost, any annual loss so incurred would be recouped to the Commission from Consolidated Revenue.

As the economics of the project would be markedly improved if production were expanded, the design permits the ultimate establishment at the site of four factories with a total output of about 2,600,000 tons of briquettes per annum.

Legislation authorizing the Commission to proceed with the first stage (2 factories) at an estimated cost of £18,900,000 awaits the approval of Parliament. Meantime the Commission has proceeded with the detailed planning in close collaboration with the State and Municipal entities whose interests are involved

The cost of engineering investigations, boring and survey (£87,590) up to the date of the presentation of the Commission's Report to the Government has been met from electricity supply revenue: all like costs subsequent to that date are being charged against the project.

To facilitate consideration by the appropriate State Authorities of those aspects of the Morwell project allied to the orderly planning of the Latrobe Valley district, the Commission sponsored an investigation by Mr. F. Heath, a Consulting Architect, and Mr. W. E. Gower, Chief Architect of the Commission. Their report is now in the hands of the Victorian Central Planning Authority for its consideration. The Commission having no jurisdiction over or direct association with State regional planning has not commented on the report which represents solely the views of its compilers.

### **HYDRO-ELECTRIC RESOURCES OF THE SNOWY RIVER.**

Last year's report referred to the alternative proposals for the utilization of the Snowy River waters for irrigation and hydro-electricity. There are three proposals—

- (a) A New South Wales hydro-electric project for the development of up to 250,000 kW of generating capacity for that State, and a separate power development in Victoria of about 150,000 kW. Adoption of proposal (b) would cause the abandonment of these power developments.
- (b) The diversion of the Snowy at a point near Jindabyne, New South Wales, by a tunnel northwards to the Murrumbidgee River—primarily for irrigation and water supply purposes—with which would be associated a relatively limited hydro-electric development.
- (c) The diversion of the Snowy into the Murray, providing for a maximum utilization of water for power generation, irrigation, stock and domestic requirements, at the same time avoiding the curtailment of potential power resources which is inherent in the proposal to divert to the Murrumbidgee.

At a conference in June, 1946, of representatives of the Commonwealth, New South Wales and Victorian Governments, it was agreed that preliminary investigations be made by the Commonwealth Government to determine whether there was a case for more exhaustive enquiry as between the Victorian proposal for the diversion of the Snowy River waters to the Murray River and the New South Wales proposal for the diversion to the Murrumbidgee River.

Subsequently, a report covering preliminary investigations was compiled by the Commonwealth Departments of Works and Housing and Post-War Reconstruction. Data submitted to the Commonwealth by the Commission showed that, by a diversion of the Snowy waters to the Murray, a development of approximately 700,000 kW would be practicable and these conclusions were substantially endorsed in the Commonwealth report.

A Conference of Premiers in August, 1947, decided to appoint a committee of experts consisting of two representatives from each State and the Commonwealth to prepare a detailed report on the above Schemes for the next Premiers' Conference. The Victorian Government has appointed as its representatives Mr. L. R. East, Chairman of the State Rivers and Water Supply Commission, and Mr. E. Bate, Chief Engineer of this Commission.

### **UTILIZATION OF THE HUME WATERS FOR POWER GENERATION.**

Reference was made in last year's Report to the adoption by the Commonwealth Government and the States concerned of the proposal of the River Murray Commission to increase the capacity of the Hume Reservoir from 1½ to 2 million acre feet.

The State Electricity Authorities of New South Wales and Victoria have conferred with the River Murray Commission regarding the use of the water for electricity generation. The generating station, which will be designed by the Victorian Electricity Commission, will be located in New South Wales, which State will instal and operate the plant (2–21,000 kW turbo-generators and possibly a third unit of like capacity). The output and annual costs will be shared by the Victorian and New South Wales Electricity Authorities.

Electricity will not be available from this project until the enlargement of the Hume storage and it is again emphasized that these waters are used primarily for irrigation during summer period when the demands for electricity are lowest. For that portion of the year while the storage is filling there will be no output of electricity from the proposed station.

### **GASIFICATION OF BROWN COAL.**

At the instance of the State Government, the Commonwealth Government has arranged with the Allied Control Authorities for two German Scientists—Dr. F. S. W. Danulat and Mr. E. Bruggemann—to come to Australia to investigate production of towns' gas from Victorian brown coal. Dr. Danulat is one of the two inventors of the "Lurgi" process of obtaining towns' gas from brown coal, and Mr. Bruggemann is an experienced designer and operator of this type of plant. Both were selected for the task by Messrs. R. S. Andrews and R. J. Bennie of the Metropolitan Gas Company during their investigations of the process in Germany.

The Commission is responsible for their employment under the conditions specified for German scientists working in Australia and a committee under the Chairmanship of the Commission's Chief Engineer, and representative of the gas industry and the Commission, is directing the investigations.



## ROYAL COMMISSION ON ELECTRICITY PRODUCTION AND SUPPLY IN VICTORIA.

On the 27th March, 1947, a Royal Commission, comprising His Honor Judge L. E. B. Stretton, Messrs. H. T. M. Angwin and B. S. Woodfull, was appointed by the Government of the day to inquire into the following matters in their relation to the production and supply of electricity by authorities in the State of Victoria :—

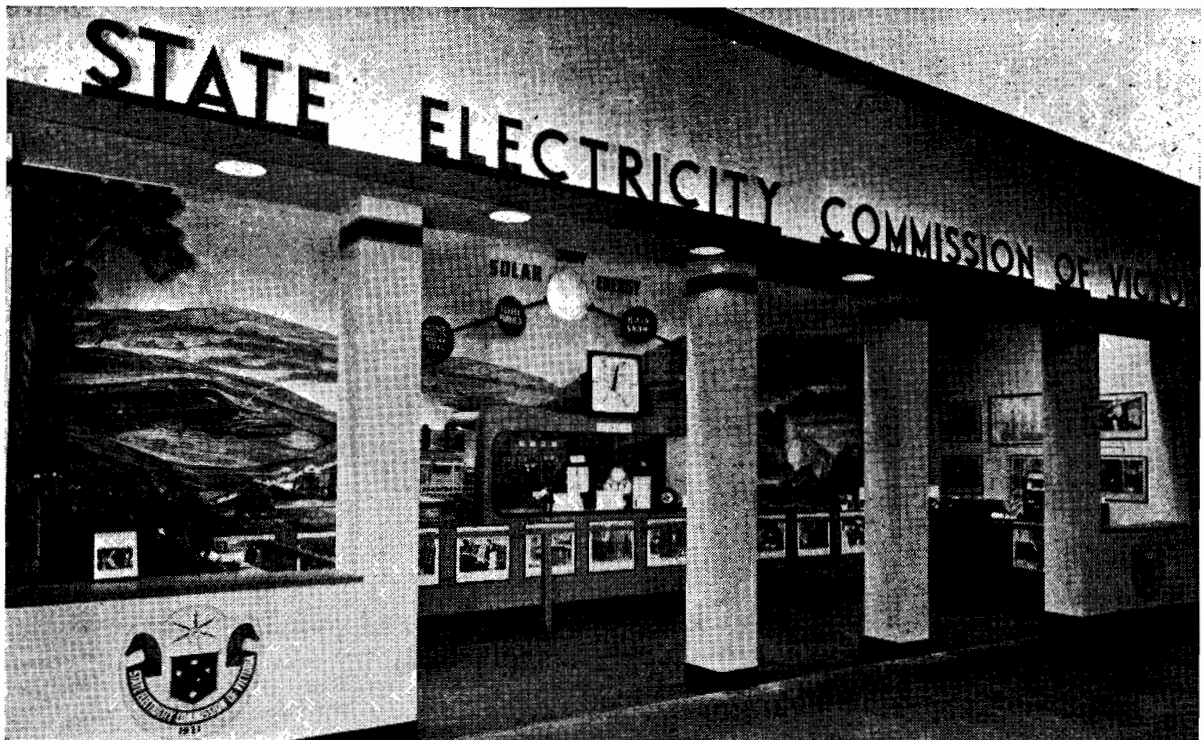
1. Whether the existing means and methods of production and supply are sufficient to provide adequate supplies of electricity to meet all immediate and future requirements of consumers of electricity.
2. Whether, having regard to its structure, organization, and constitution, the existing State Electricity Commission of Victoria is efficient :—
  - (i) to provide adequate supplies of electricity to meet all immediate and future requirements of consumers of electricity ;
  - (ii) to develop the production and supply of electricity in such a way as will serve the best interests of the State, having regard to both urban and rural development.

Commissioners and senior officers tendered evidence, and in addition written answers to series of questions were submitted at the request of the Royal Commission.

(At the close of the period covered by this report, the proceedings were still in course. The Royal Commission presented its report on the 29th August, 1947, after investigations and hearings extending over five months.)

### “CHEMEX ” EXHIBITION.

A display illustrating certain features of the Commission's operating system was included in the “Chemex 1947 ” Exhibition held under the auspices of the Australian Chemical Institute (Victorian Branch) and the Australian Society of Instrument Technology in the Exhibition Building, Melbourne, during March, 1947. Theme of the Commission's main exhibit was the conversion of solar radiation to electrical energy.



Display at Chemex Exhibition.

### RURAL ELECTRIFICATION.

Seventy-five per cent. of consumers added during the year were in the extra-metropolitan areas. Of the total new consumers (17,655), 13,215 were in country and provincial branches; this was by far the largest increment yet recorded (4,700 last year in extra-metropolitan areas). The number of new farms connected (1,471) is also the highest recorded and compares with 1,437 last year. This progress was attained, however, only by drawing heavily on stocks of construction resources, many of which are now exhausted.

Under present and unforeseen difficult conditions, manufacturers are able to supply only a small part of the Commission's requirements of materials, especially insulators, crossarm timber, transformers, and line hardware; as a result, connection of new consumers in all areas, including the metropolitan area, has been considerably retarded. The present outlook is not encouraging and the number of consumers likely to be connected during the current financial year will be markedly less than the record number of connections for 1946-47.

The following table shows the extent of the Commission's country electrical development during the last decade:—

Financial Year.					Total Consumers Served by Commission.	Extra-Metropolitan Consumers.	Farms Supplied.
1936-37	..	..	..	..	235,942	68,486	2,615
1941-42	..	..	..	..	292,341	96,881	6,131
1946-47	..	..	..	..	339,286	132,653	11,680

Thus in this decade, and despite unforeseen difficulties, extra-metropolitan consumers have almost doubled, while the number of farms connected has increased four-fold. Further details are shown in the "Ten Year Statistical Review" (Graphs Nos. 7 and 9) at the front of this report.

### ELECTRICITY SUPPLY TARIFFS.

Increased capital and operation costs and the imminent prospect of further increases consequent on the Commonwealth Arbitration Court decision on the 40-hour week and on other matters are referred to earlier in this report. Indications are that it will be necessary to increase tariffs during 1948.

The Commission has continued its policy of progressive simplification of tariffs and, on 1st October, 1946, metropolitan standard rates were extended to all country industrial consumers (factories and other industrial establishments). By this decision no less than 1,250 country electricity consumers benefited to the extent of £23,000 per annum. This was the second and final stage of the movement for State-wide industrial tariffs which the Commission entered upon in 1940.

From the 1st October, 1946, charges for public lighting in extra-metropolitan areas were standardized; provincial city rates were applied throughout these areas and country municipalities benefited to the extent of about £3,000 per annum.

As a result of electrical development at Queenscliff, Yarrawonga, and Ferntree Gully, consumers in these supply areas were placed on lower tariff schedules.

### YALLOURN LOCAL GOVERNMENT.

The Commission from its inception has desired to have the local community at Yallourn allied with it in local government matters. The first approach to the question of local government for the town of Yallourn was made in 1922. Since then the question has been reviewed on several occasions, without a solution having been found appropriate to the involved and unique position in this area.

In April, 1944, the Government of the day announced its decision to grant full municipal rights to the residents of Yallourn and a poll was held in July, 1944, at which a majority of 70 per cent. voted for local representation in the form of an Advisory Board in preference to a municipal or civic council.

The Commission in August, 1944, submitted a comprehensive report to the Government re-emphasizing its desire that legislation be introduced to make possible some form of local government for the people of Yallourn, and a Cabinet Sub-Committee was appointed to investigate the matter. Ultimately, legislation for the formation of the Yallourn Town Advisory Council was prepared by the Government, after reference to a public meeting at Yallourn, and was passed by Parliament on the 25th June, 1947. Briefly, the legislation provides for—

1. The establishment of an Advisory Council of seven members, three elected by adult franchise of residents of the town, three nominated by the Commission, and an independent Chairman appointed by the Government.
2. The Advisory Council to be empowered to—
  - (a) make by-laws for the town area upon such matters as would normally be dealt with by a municipal council; such by-laws not to hinder the Commission's workings;
  - (b) recommend or advise the Commission on matters affecting the life, health, welfare and amenities of the residents of the town area.

Since the close of the financial year the independent chairman and the three Advisory Council members nominated by the Commission have been appointed; also arrangements have been made for the election of three members to represent the residents.

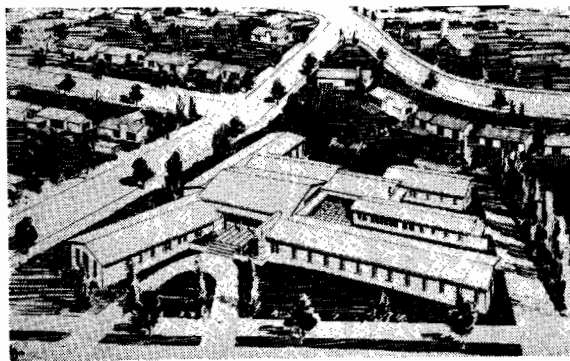
### YALLOURN TERRITORY.

*Population.*—5,526, of whom 4,117 are resident in the Town of Yallourn.

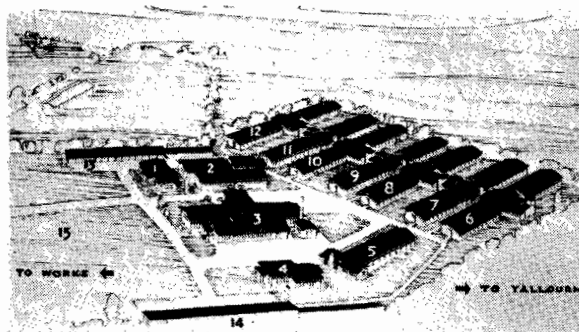
*Housing.*—Except for minor extensions, the Town will be at its maximum development when the 49 houses under construction are completed. Forty-three residences were completed during the year, bringing the total to 977; also, 11 temporary houses were erected for contractors' employees.

At the close of the year, contracts had been let by the Housing Commission, Victoria, for the erection of 239 houses at Moe. It is anticipated that most of these houses will be allotted to the Commission's Yallourn employees. Nevertheless, the situation will remain acute unless the building of homes proceeds at an accelerated rate, for, in addition to the 200 Yallourn employees awaiting homes, more houses will be needed for the 900 men yet to be engaged for the major extensions to the Yallourn Generating Station—these requirements exclude any provision for the personnel to be employed on the Morwell Project.

*Hostels and Accommodation for Single Men.*—At the Western Hostel and at Yallourn North additional accommodation blocks are being erected for a further 64 and 224 men respectively; older structures have been replaced. A large, modern hostel to accommodate 308 men is being erected at Eastern-road, a second guest house in the town will cater for 60, and an additional wing to the existing guest house will provide accommodation for 26.



Guest House to accommodate 60 guests.



Hostel, Eastern Rd., to accommodate 308 men. (1-5 mess, laundry, recreation and administrative blocks; 6-12 bedroom-bathroom blocks with lounge in centre of each; 13 and 14, garages and cycle sheds; 15, recreation and plantation area.)



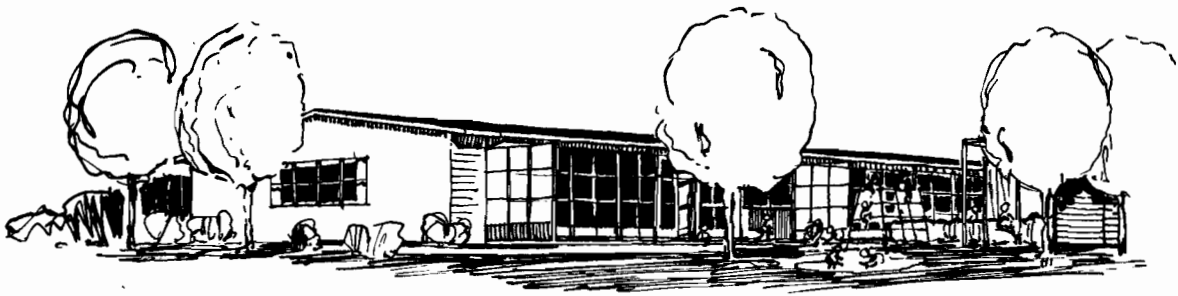
*Sewerage of the Town.*—The treatment plant was completed in 1941, but war conditions brought the construction of reticulation sewers to a standstill. Good progress is now being made.

*Hospital and Medical Services.*—These are administered by the Yallourn Medical and Hospital Society, financed by regular contributions from all employees. The hospital accommodates 44 (emergency capacity 50), and the daily average number of occupied beds was 34, compared with 31 last year.

*Shopping Facilities.*—Earlier reports have referred to the project to erect shops for leasing to private traders in the area between Broadway, Centreway, and Green-street; eventually up to 25 shops will be erected. The first section comprising five shops in Broadway is now under construction.

Six temporary shops in the centre of the Town have been completed and leased, and three permanent shops at the entrance gates to the main works are about to be commenced.

*Pre-School Centre.*—A contract has been placed for the construction of a nursery kindergarten to accommodate 55 children. The building is of most modern design. When completed, the Centre will be administered by the Yallourn Community Kindergarten Association.



Nursery Kindergarten to accommodate 55 children.

*Infant Welfare Centre.*—The difficult building position has delayed this project but erection will commence at an early date.

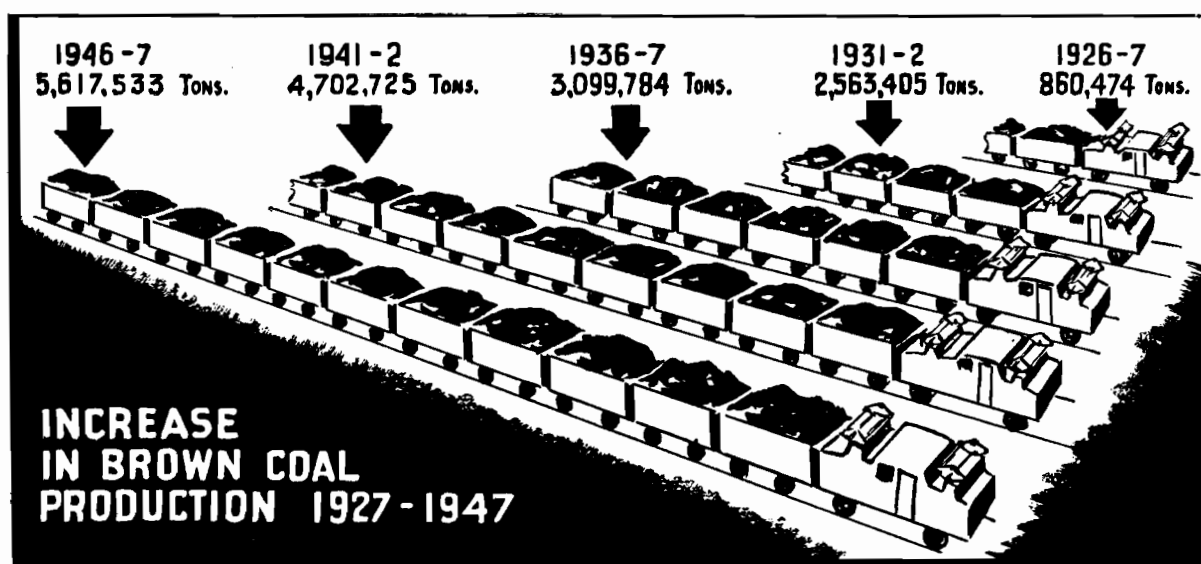
*Fire Station and Quarters.*—As reported last year, a new fire station with quarters for the permanent members of the fire brigade is being constructed. The building will include a gymnasium and other amenities to ensure that personnel have the facilities for the highest standards of training.

*Public Hall.*—The Commission has for some time recognized the need for a Public Hall at Yallourn, but this project has had to be postponed until building conditions improve. As a temporary expedient, some large buildings have been obtained from the Commonwealth and will be used for this purpose.

*Civic Library.*—Assistance has been granted to the Yallourn Library Committee to establish a Civic Lending Library, which is being operated in conjunction with the Commission's Technical Library. Although still in temporary premises, this Library is a substantial contribution to the cultural life of the area.

**COAL SUPPLY.****YALLOURN OPEN CUT—COAL PRODUCTION.**

						TONS
1926-27	..	..	..	..	..	860,474
1931-32	..	..	..	..	..	2,563,405
1936-37	..	..	..	..	..	3,099,784
1941-42	..	..	..	..	..	4,702,725
1946-47	..	..	..	..	..	5,617,533



*Coal Winning.*—The year's operations brought the total coal excavated since the commencement of operations to 70·58 million tons. Of the coal won during the year, 3,662,805 tons were delivered to the Yallourn generating station and 1,954,728 tons to the briquette factory. On the 6th June, 1947, 21,339 tons were produced—the largest daily output yet achieved.

*Overburden Removal.*—2,173,100 cubic yards of overburden were removed, compared with 1,493,850 cubic yards during the previous year, bringing the total removed at the 30th June, 1947, to 27·06 million tons.

The area of the Open Cut has increased from 480 to 506 acres at grass level and from 417 to 445 acres at the surface of the coal.

*Plant.*—Following the visit to Germany of Mr. W. Morrison, B.Sc. (Eng.), A.M.I.C.E., Assistant Engineer-in-Charge, Coal Supply, to investigate the most recent methods and machines used in open cut operations, an order was placed in November, 1946, with the Control Commission for Germany (British Element) for the manufacture in Germany of plant required for Yallourn, consisting of a turret-type overburden dredger (ex Stahlbau Rheinhausen) and a bucket wheel coal dredger (ex Lubecker Maschinebau Ges.).

The Commission records its appreciation of the generous assistance given to Mr. Morrison in his task of procuring plans and placing orders in Germany for this urgently required plant. Acknowledgments are made to Dr. A. R. M. Murray of the British Intelligence Objectives Sub-Committee, Mr. J. R. Caseley, Director-General of Open Cast Mining, Ministry of Fuel and Power, the Controller-General and Staff of the North German Coal Control, the High Commissioner and staff, Mr. J. R. Cochrane, Leader of the Australian Scientific and Technical Mission, and the Agent-General for Victoria.

Arrangements were made to obtain a complete set of drawings for each of the above machines so that the manufacture of subsequent requirements can be undertaken in Australia. After discussions with representatives of local manufacturers and trade unions regarding the resources available in Australia, an order was placed in June, 1947, for local manufacture of a coal dredger and the conversion of associated drawings to Australian standards. Drawings for the overburden dredger have arrived since the close of the financial year.

Manufacture of these types of dredgers for the first time will represent a further important advance by Australian heavy industry.

Four additional electric locomotives especially designed for coal transportation are being constructed in Australia. Two additional overburden trucks were placed in service and a further eighteen trucks were ordered locally.

The conveyor to provide an alternative outlet to the generating station from No. 2 coal level has been completed. Six tournapulls complete with scrapers, four additional scrapers, eight tractors, a road grader, and trench excavator were obtained to augment mobile earth moving equipment.

*Yallourn North Open Cut.*—133,198 tons of coal were produced and sold for industrial purposes, making a total of 1,739,727 tons produced to date.

In accordance with the Government's request that production from this Cut be increased so that Victorian industry can burn raw brown coal and thus minimize the prevailing and long standing shortage of New South Wales black coal, plant specially installed last year has been augmented by a 3½-c.yd. electric shovel; also the Country Roads Board has co-operated by making available additional labour during the second part of the year. As a result of these and other measures, the annual production has increased almost threefold.

### POWER PRODUCTION AND TRANSMISSION.

The State generating system comprises interconnected generating stations at Yallourn, Melbourne (Newport, Spencer-street City, and Richmond), Geelong, Ballarat, Kiewa, and Sugarloaf-Rubicon. The Commission also operates a regional station at Hamilton.

Terminal Stations are located at Richmond, Yarraville, Brunswick, Thomastown, East Malvern, Rubicon "A", and Geelong. The transmission system includes the lines from the interconnected generating stations to the terminal stations and from the terminal stations to the main metropolitan substations, together with those linking the main substations. Electricity is transmitted to the Commission's various Electricity Supply branches, Melbourne and Country, and also to those Melbourne municipal undertakings which purchase in bulk.

Under emergency conditions, frequency changers are used for supply to and from the Victorian Railways system (25 cycle), the maximum capacity being 22,000 kW.

The installed capacity of generating plant at the 30th June, 1947, was as follows :—

#### *Thermal Stations—*

					kW
Yallourn (including Briquette Factory)	..				183,000
Melbourne—					
Newport	..	..	..	..	108,000
Spencer-street	..	..	..	..	37,000
Richmond	..	..	..	..	15,000
Geelong	..	..	..	..	10,500
Ballarat	..	..	..	..	5,900
Hamilton (not connected to State system)	..				1,837

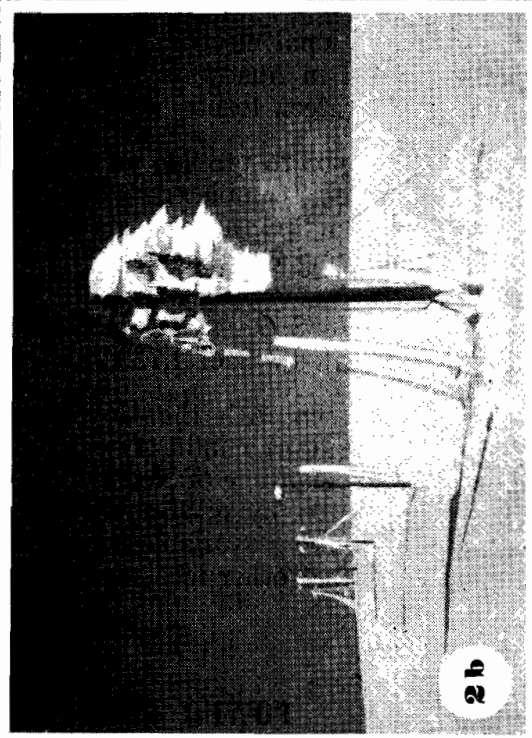
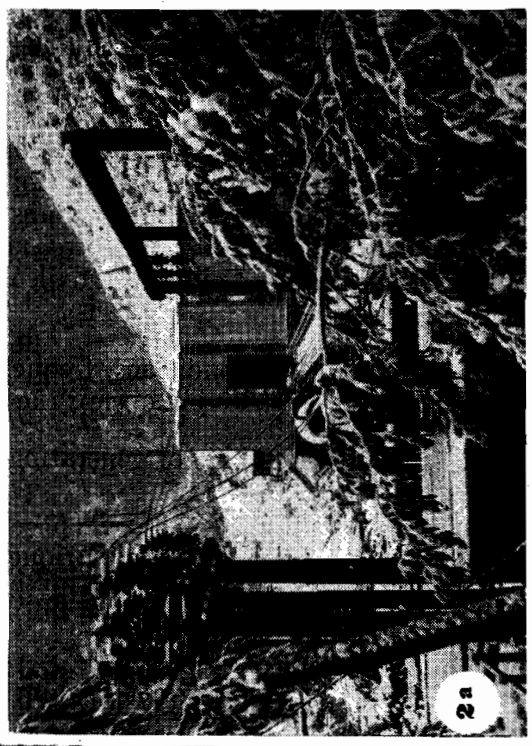
#### *Hydro Stations—*

Sugarloaf-Rubicon	..	..	..	..	26,415
Kiewa (1st stage)	..	..	..	..	24,000
Total	..	..	..	..	411,652

Details of the loading (a) on generating stations throughout the State, and (b) on Commission's generating stations are given in Appendix No. 11.



- 1. Site for Rocky Valley Reservoir  
Bogong High Plains
- 2. WINTER PROBLEMS
  - (a) No. 3 Generating Station
  - (b) Transmission line – Bogong High Plains



## LOADING ON COMMISSION'S GENERATING STATIONS.

Generating Stations.	Maximum Demand (kW).		kWh Generated (Millions).	
	1946-47.	1945-46.	1946-47.	1945-46.
<i>Thermal Stations—</i>				
Yallourn (including Briquette Factory) ..	185,000	190,500	1,180·6	1,136·7
Melbourne—				
Newport .. .. .	88,000	93,500	181·6	136·9
Spencer-street .. .. .	29,820	34,200	51·1	55·0
Richmond .. .. .	15,520	15,600	23·5	33·1
Geelong .. .. .	11,800	11,900	26·9	31·2
Ballarat .. .. .	5,150	5,350	18·0	16·0
Local—not connected to State system (principally Hamilton) .. .. .	1,000	..	3·1	0·3
<i>Hydro Stations—</i>				
Sugarloaf-Rubicon .. .. .	25,850	25,650	144·7	134·3
Kiewa .. .. .	26,700	26,000	61·5	51·4
	Maximum Coincident Demand.		Total.	
	364,750	377,100	1,691·0	1,594·9

Favorable climatic conditions enabled the output of hydro-electric stations to be increased ; otherwise, demand and output were met by the various stations in approximately the same proportion as previous years.

## MAJOR EXTENSIONS PROGRAMME.

**Newport Generating Station (Four 30,000 kW sets, Nos. 4, 5, 6, and 7).**

No. 5 turbo-generator was completed in December, 1946, but strikes seriously delayed the installation of the associated two boilers. Since the settlement of these strikes in May, one boiler has been completed, and this together with No. 5 set assisted in meeting the 1947 winter demand. The other boiler (No. 14) is nearing completion.

Manufacture in England of Nos. 6 and 7 turbo-generators has progressed satisfactorily. It is hoped that No. 6 set and one of the associated boilers will be available for the winter of 1948. It is expected that No. 7 set will be ready for 1949.

**Kiewa Hydro-Electric Scheme.**

(APPROVED DEVELOPMENT—INSTALLED CAPACITY 117,000 kW).

Construction has accelerated as additional labour has become available. However, accommodation problems, which were greatly aggravated by a strike of the building trades employees on the Kiewa territory, seriously limited the employment of still more personnel.

*No. 3 Development—Bogong (Installed Capacity 24,000 kW).*—Completed early in 1945.

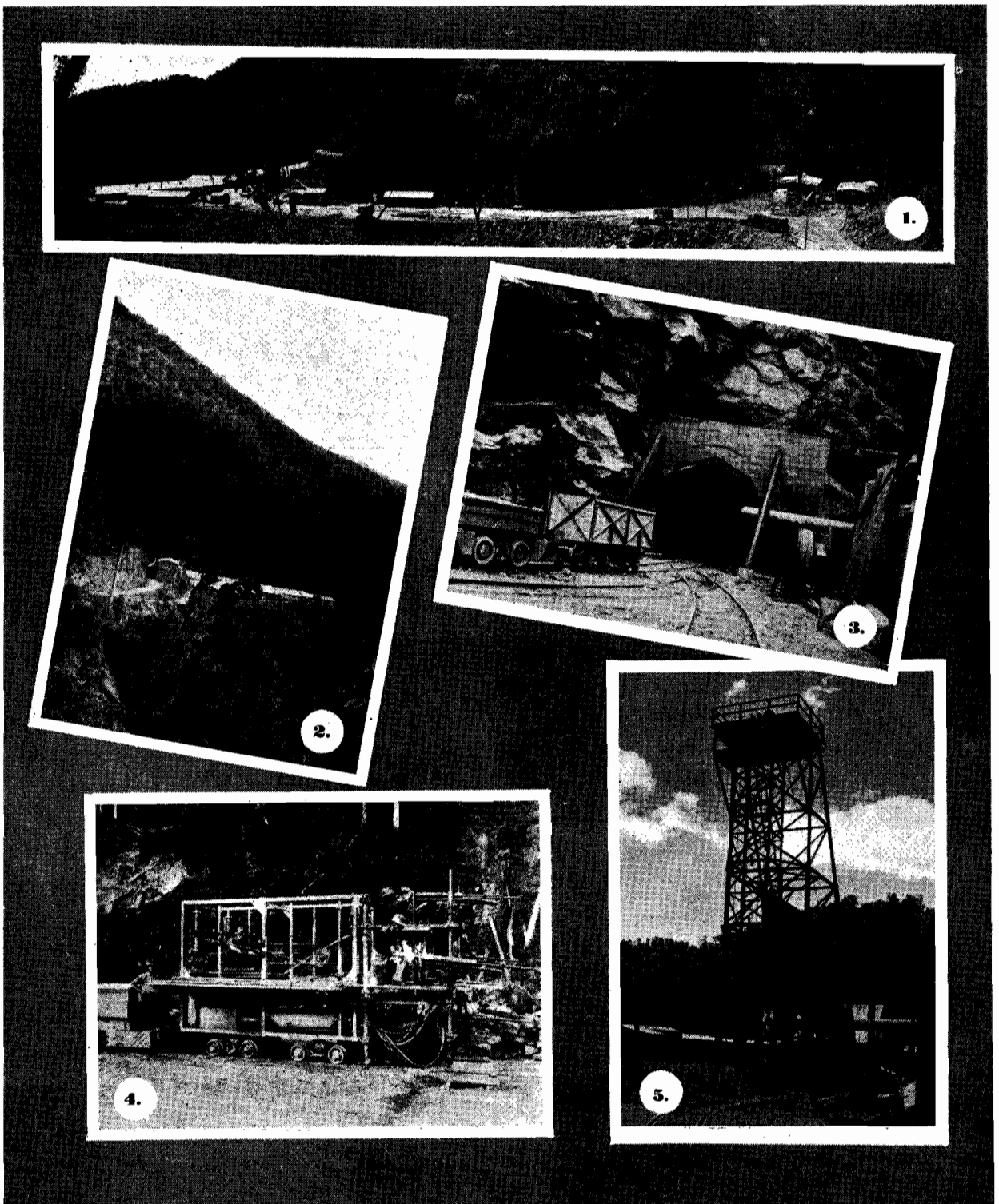
*No. 4 Development—Mount Beauty (Installed Capacity 39,000 kW).*—The tail race channel and pondage embankment have been completed. The adit (353 feet long) leading into the head race tunnel has been completed and a commencement made on the excavation of the main tunnel. By the end of June the lift shaft for access to the underground generating station had advanced 180 feet of the total depth of 450 feet and concrete lining of the shaft is proceeding.

Delivery of the three 13,000 kW turbo-generators is expected during 1949.

The development of the township of 200 houses and base depot at Mount Beauty is proceeding. Twelve houses have been erected and a further 40 are in progress. Streets, water, sewerage, and electrical reticulations are well advanced. Hostel accommodation is complete for 144 men and provision for a further 72 is being made ; in addition, hostels are being erected at various sites on the territory.

*Nos. 1 and 2 (Upper) Development (Installed Capacity 21,000 kW and 33,000 kW respectively).*—The design of the multiple-arch reinforced concrete type dam for the Pretty Valley branch of the East Kiewa River was continued and further consultations were held with Dr. J. Savage of U.S.A. during his visit in September, 1946. Design of the Rocky Valley (earth and rock filled type) dam has been commenced, while drawings for Homan Dam have been completed.

Workshops and accommodation buildings at the Pretty Valley and Rocky Valley sites, together with water supply and sewerage facilities, have been designed and materials for their construction have been ordered.



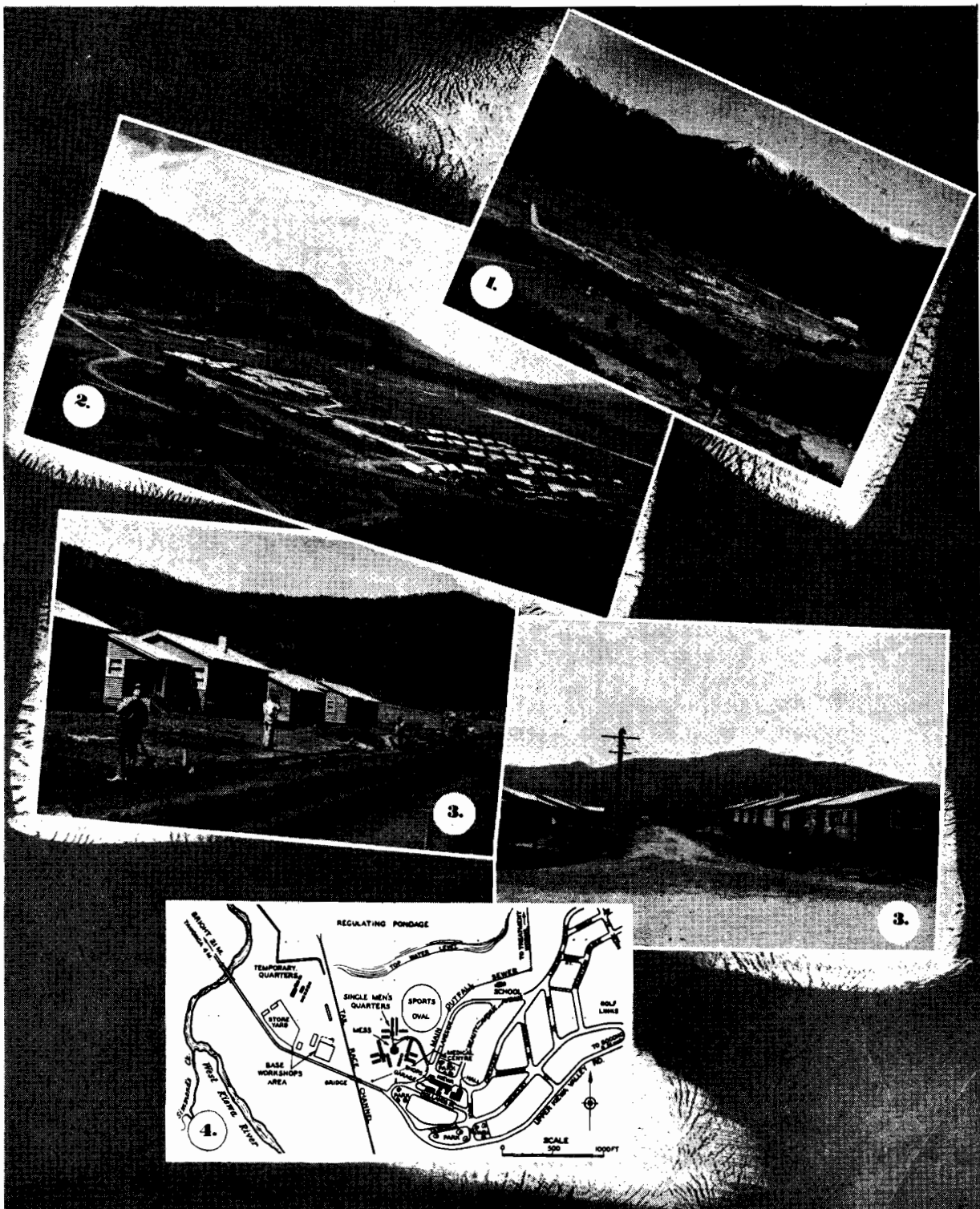
# **KIEWA HYDRO-ELECTRIC SCHEME**

## **No. 4 Development**

**Generating Station will be 450 ft. underground**

- 1. Site of No. 4 Generating Station - Temporary buildings on left and adit to headrace tunnel on right**
- 2. Site of Switchyard - No. 4 Generating Station**
- 3. Portal of adit to headrace tunnel**
- 4. Drilling Jumbo, being prepared for tunnel excavation**
- 5. Poppet head over Generating Station lift shaft**





**KIEWA HYDRO-ELECTRIC SCHEME**  
**Development of Township and Base Depot, Mt. Beauty**

- 1. General View of township and base depot.  
Mts. Bogong Arthur and Nelse in background**
- 2. View of township and base depot – workshops on left,  
men's hostel in centre, and homes for married personnel on right**
- 3. Residential Sections under construction**
- 4. Plan for development of area**

**Yallourn Generating Station.**

Two 50,000 kW turbo-generators to replace six 12,500 kW sets in “ A ” Station were ordered on the 12th May, 1947, and delivery is expected in 1950 and 1951 respectively. Associated boiler plant, comprising six 200,000 lb. per hour mill fired boilers, was ordered on the 12th June, 1947, for delivery in 1949 and 1950. The visit of Mr. F. H. Roberts, Assistant Mechanical Engineer, to England and Germany enabled latest overseas practice to be incorporated in the boiler and furnace designs. Development of the site works is proceeding.

**MAIN TRANSMISSION AND TRANSFORMATION.**

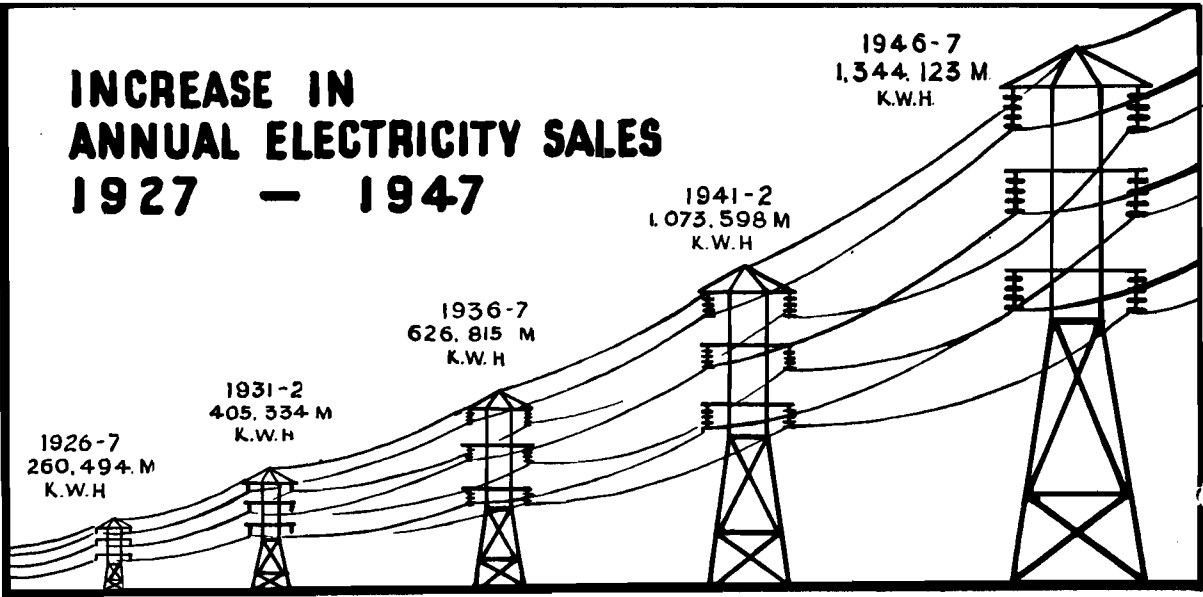
As a result of the investigation overseas by Mr. E. L. Merigan, Electrical Engineer, and Mr. L. H. Lorimer, Assistant Engineer, Civil Branch, of developments in design and practices related to large-scale transmission and transformation of electricity, it was decided to adopt 220 kV as the transmission voltage from Kiewa to Melbourne. Provision is being made in new equipment for the Yallourn-Melbourne transmission line to facilitate the changeover at a later date from 132 kV to 220 kV.

**ELECTRICITY SUPPLY.**

**ANALYSIS OF DEVELOPMENT.**

Electricity sold to all consumers, including bulk supplies, increased by nearly 70 million kWh or 5·5 per cent., as compared with an increment of 67 million kWh or 5·5 per cent. (1945-46) and 6 million kWh or 0·5 per cent. (1944-45). The following statistics of annual electricity sales indicate the extent of development of the State electricity system since 1926-27 :—

						kWh (Millions).
1926-27	..	..	..	..	..	260·494
1931-32	..	..	..	..	..	405·334
1936-37	..	..	..	..	..	626·815
1941-42	..	..	..	..	..	1,073·598
1946-47	..	..	..	..	..	1,344·123





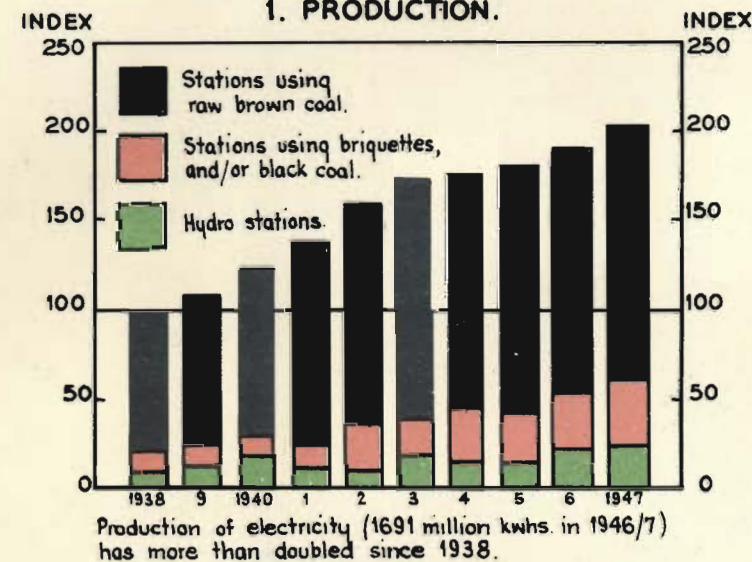


# TEN YEAR STATISTICAL REVIEW.

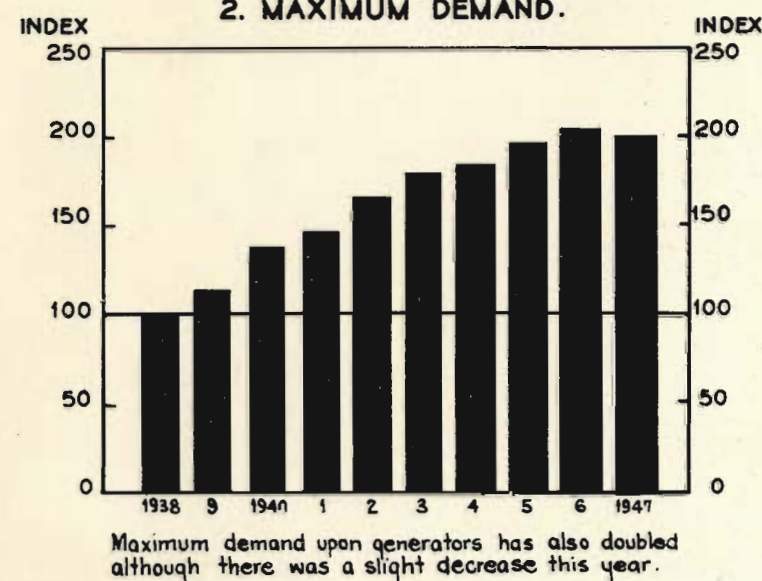
BASE YEAR 1937/8 = 100.

(STRIKES DURING 1946/7 REDUCED THE OUTPUT OF GENERATING STATIONS —  
STATISTICS ARE AFFECTED BY CONSEQUENTIAL RESTRICTIONS ON THE USE OF ELECTRICITY.)

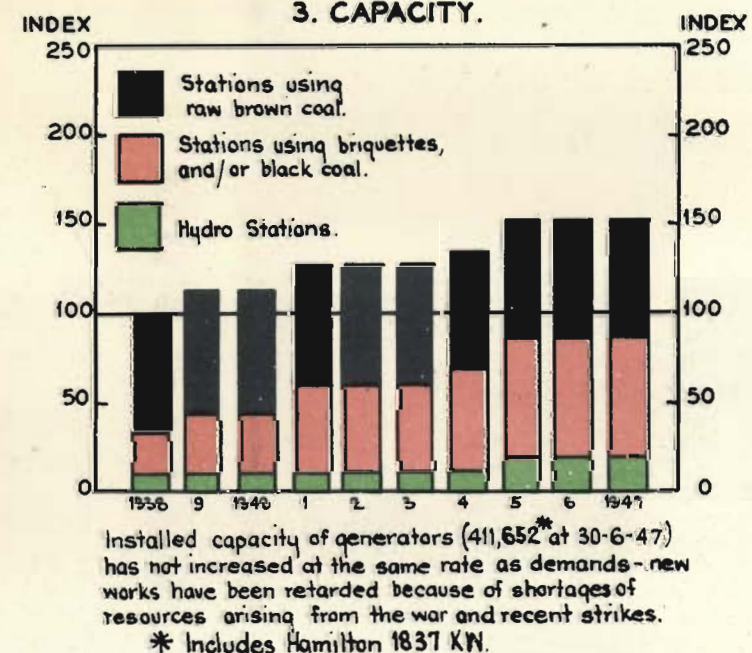
## 1. PRODUCTION.



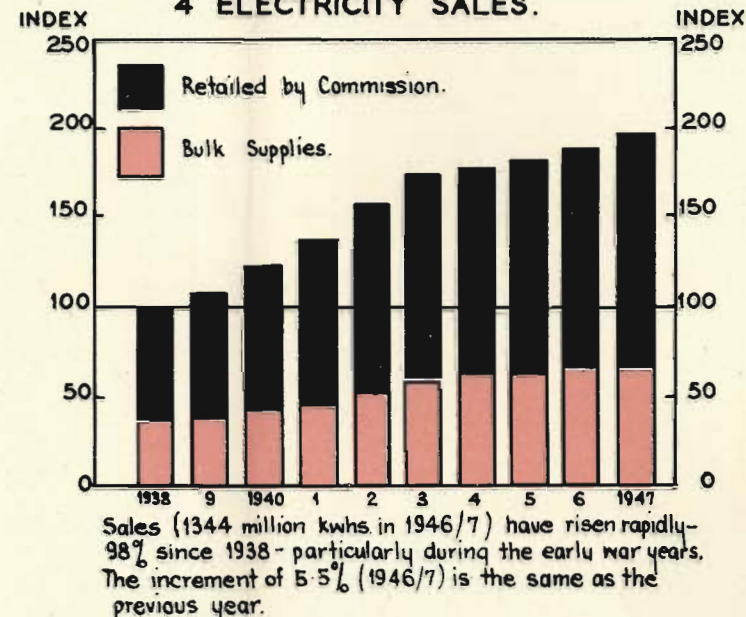
## 2. MAXIMUM DEMAND.



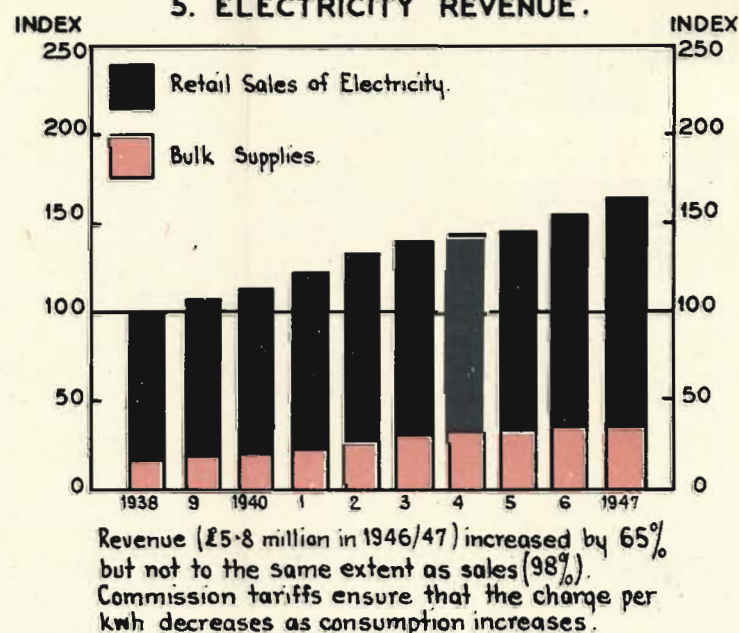
## 3. CAPACITY.



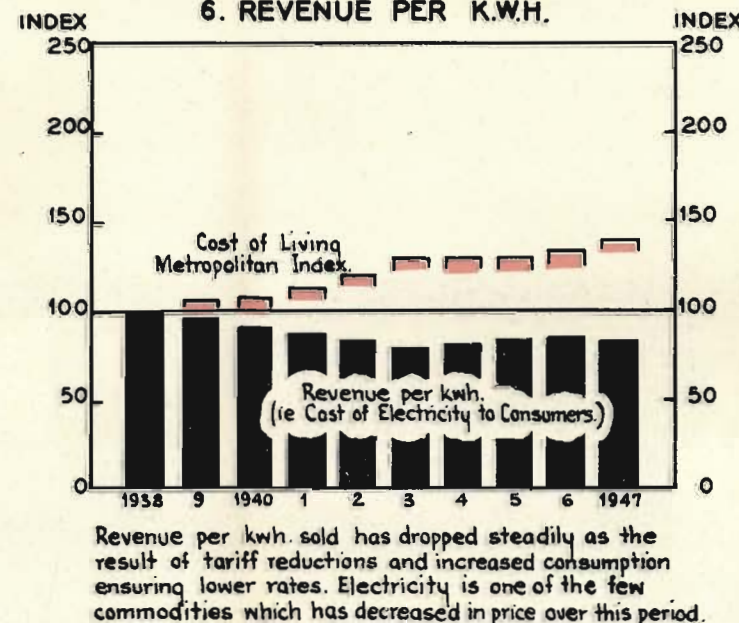
## 4. ELECTRICITY SALES.



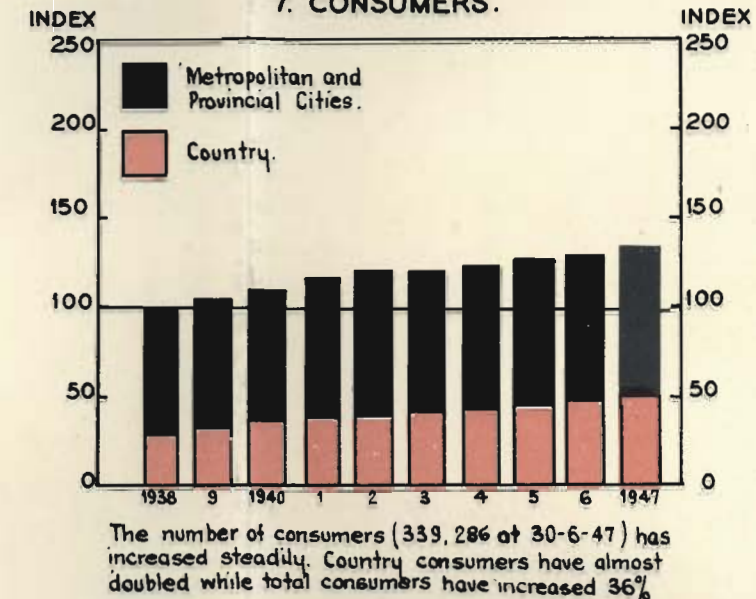
## 5. ELECTRICITY REVENUE.



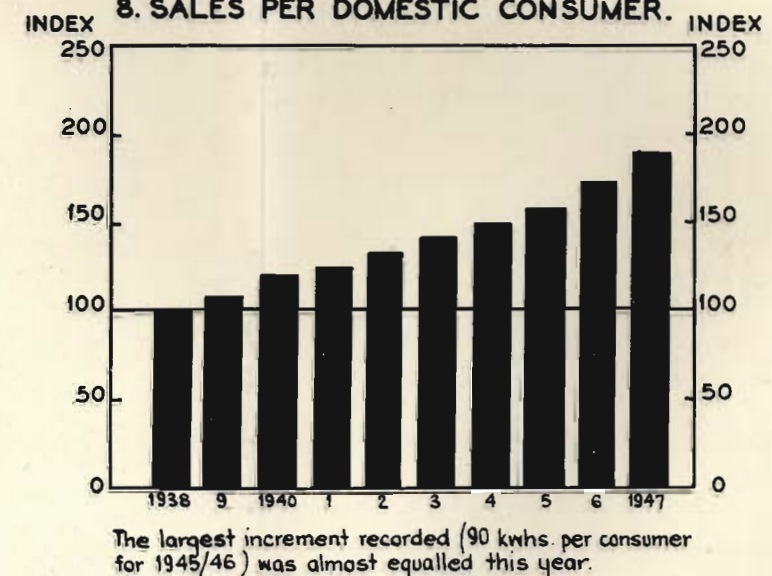
## 6. REVENUE PER K.W.H.



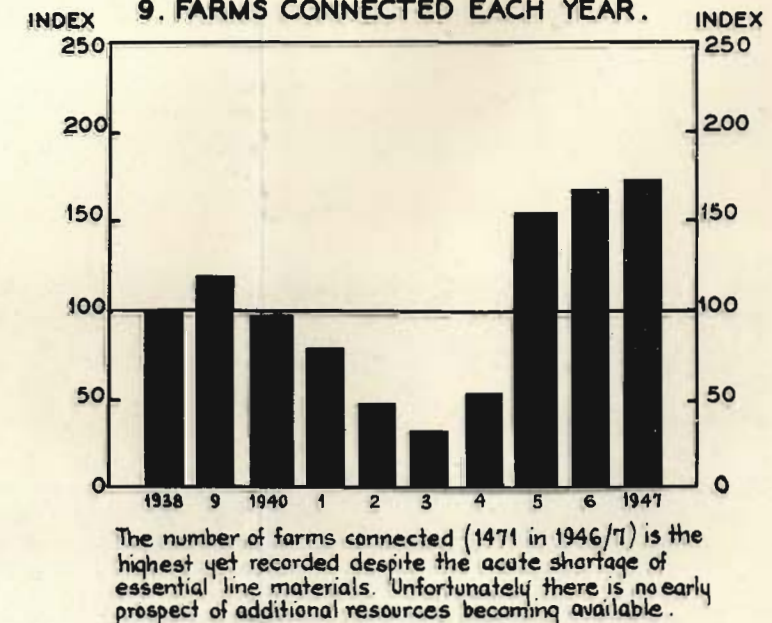
## 7. CONSUMERS.



## 8. SALES PER DOMESTIC CONSUMER.



## 9. FARMS CONNECTED EACH YEAR.



*Domestic Class.*—This year the increase in the average consumption per domestic consumer was 87 kWh as compared with 90 kWh last year which is the largest increment recorded. Statistics for the last five years are as follows :—

						Average Consumption per Domestic Consumer. kWh
1942-43	..	..	..	..	..	756
1943-44	..	..	..	..	..	793
1944-45	..	..	..	..	..	838
1945-46	..	..	..	..	..	928
1946-47	..	..	..	..	..	1,015

Total sales to domestic consumers increased by 14·2 per cent.—partly due to additional consumers (13,806), but more especially because of additional appliances installed, particularly hot water services.

*Commercial Class.*—Restrictions on the use of electricity and the closing of certain defence establishments caused a reduction of 5·3 per cent. in sales to commercial consumers.

*Industrial Class.*—There was a steady decline in sales after the war peak of 1942-43. However, the upward trend noted towards the end of last year was maintained. With this year's increase—8·2 per cent.—industrial sales exceeded those of the record year 1942-43. The additional sales are attributable to the installation of a further 24,449 horse-power of electric motors and to the fact that electrical methods of industrial heating are increasingly popular.

*Mining.*—Consumption of 14·1 million kilowatt-hours showed a substantial increase over last year's figure of 6·1 million kilowatt-hours and indicated a return to pre-war mining activity ; sales in 1939-40 were 17·7 million kilowatt-hours.

*Rural.*—Reference is made earlier in this report to the progress and planned development of rural extensions.

*Public Lighting.*—There was an increase of 2·1 per cent. in consumption, mainly as a result of additional lamps connected.

**COMMISSION'S ELECTRICITY SUPPLY UNDERTAKINGS FOR LOCAL DISTRIBUTION.**

The following summary of statistical data relating to the Commission's Electricity Supply Undertakings for local distribution (excluding Bulk Supply areas) is compiled from information contained in this report :—

- Revenue** increased by £249,759 (5·7 per cent.) to £4,611,727.
- Sales of Electricity** increased by 67,207,017 kWh (8·1 per cent.) to 894,742,846.
- Consumers** increased by 17,655 (5·5 per cent.) to 339,286.
- Farms** connected increased by 1,471 (14·4 per cent.) to 11,680.

Branch.	Area of Supply (Square Miles).	Number of Consumers.	Electricity Sold kWh (Millions).	Constructed this Year.				Number of Farms Supplied.
				Substations.		Distribution Lines.		
				Number.	Capacity kVA.	H.V. Route Miles.	L.V. Route Miles.	
Metropolitan .. ..	247·4	206,633	619·316	21	7,770	9·2	42·9	995
Ballarat .. ..	180·3	13,785	19·830	23	1,465	10·2	25·4	290
Bendigo .. ..	132·7	10,086	15·903	29	1,325	29·1	23·7	262
Geelong .. ..	160·7	16,255	39·787	16	1,185	20·8	11·4	397
Eastern Metropolitan ..	593·6	27,858	48·559	64	7,580	43·5	74·2	2,171
Gippsland (including Yallourn) ..	1,121·0	20,740	56·750	54	6,950	92·5	65·5	3,133
Midland .. ..	508·0	8,781	15·541	33	1,255	24·9	33·5	606
North Eastern .. ..	1,584·0	19,907	52·554	157	8,049	90·0	50·7	2,002
South Western .. ..	880·5	15,241	26·503	108	3,244	74·6	63·4	1,824
Total .. ..	5,408·2	339,286	894·743	505	38,823	376·4	390·7	11,680



### BRANCH TRANSMISSION AND DISTRIBUTION.

Because of shortages of materials, conversion of the metropolitan system of supply from single-phase to standard three-phase was restricted to the immediately essential work ; only two substations were converted during the year.

The South Western main transmission line (Geelong–Warrnambool) has been reconstructed for 66 kV as far as Terang where the erection of a new main substation is in progress. Transmission lines (66 kV) from Shepparton to Kyabram and Yallourn to Warragul are under construction.

The mileage of low voltage reticulation erected during the year (390·7) is the highest yet recorded.

### ACQUISITION OF SUPPLY UNDERTAKINGS.

The undertakings at Hamilton (including supply to Coleraine), Yarram, Beechworth, and Inglewood were acquired as from the 1st July, 31st July, 2nd September, and 3rd December, 1946, respectively. Arrangements are proceeding for the acquisition of Elmore.

### TRAMWAYS—BALLARAT, BENDIGO, AND GEELONG.

A loss of £39,511 was sustained in the operation of the three provincial city tramway systems as compared with £16,406 last year. Losses at Ballarat, Bendigo, and Geelong were £7,814, £20,569, and £11,128 respectively.

Total revenue was £142,281, a decrease of £4,222 (2·9 per cent). The number of passengers carried—15,682,861—decreased by 831,206 (5 per cent.) chiefly as a result of the increased petrol ration for private motor vehicles ; also, tramway services were reduced during the period of electricity restrictions (14th April to 11th June, 1947).

Total expenditure was £181,792, an increase of £18,883 (11·6 per cent.) over last year. Maintenance and operation costs generally were affected by the upward trend of wages and materials.

### BRIQUETTE PRODUCTION AND DISTRIBUTION.

						Tons.
1926–27	..	..	..	..	..	109,475
1931–32	..	..	..	..	..	321,741
1936–37	..	..	..	..	..	364,695
1941–42	..	..	..	..	..	413,450
1946–47	..	..	..	..	..	490,338

Production was again confined to industrial types. Strikes involved substantial curtailment of output during April and May.

By-product electricity amounted to 88·81 million kWh, of which 62·51 million kWh were delivered to the State supply system, the remainder being used at the factory.

#### *Distribution—*

<b>Sales</b> (excluding Commission Generating Stations— 242,572 tons)						216,750 tons
<b>Revenue</b>	..	..	..	..	..	£321,711
<b>Expenditure</b>	..	..	..	..	..	£365,144
<b>Loss</b>	..	..	..	..	..	£43,433

Financial results have been adversely affected by the loss of production during strikes. Because of Commonwealth price fixation policy, the Commission was not, until recently, in a position to meet higher production costs by increasing briquette prices ; the loss, therefore, has to be met by consumers of electricity. Early increases in briquette prices are unavoidable in view of the upward trend in the costs of production and rail freights.

The Victorian State Coal Committee, representing the Commonwealth Government, continues to allocate output between the Commission's generating stations and industrial users. There is still no prospect of early resumption of domestic sales.

## PUBLIC SAFETY AND OTHER REGULATORY RESPONSIBILITIES.

*Electric Light and Power Act 1928.*—At the close of the financial year 82 franchises were in force. Of these, 55 were issued to 38 municipal councils (several of which operate under more than one Order), and 27 were issued to 23 companies or persons.

During the year the Governor-in-Council approved the following Orders in Council :—

### (a) AUTHORIZING SUPPLY OF ELECTRICITY—

Order No.	Undertakers.	Area of Supply.
256	Kerang Shire Council .. .. .	Portions of Parishes of Kerang, Gannawarra, Murrabit, and Murrabit West

### (b) REVOKING ORDERS IN COUNCIL PREVIOUSLY GRANTED—

Order No.	Undertakers.	Area of Supply.	Reason for Revocation.
127	Yarram Hydro-Electric Company Limited	Shire of Alberton ..	Undertakings transferred to State ownership— 31st July, 1946
190	Beechworth Shire Council ..	Beechworth .. ..	2nd September, 1946
22	Inglewood Borough Council ..	Inglewood .. ..	3rd December, 1946

Inspections were made of 23 electrical undertakings in addition to newly installed generating plant and high tension systems; complaints of unsatisfactory service were also investigated.

Electricity supply undertakings which have adopted the multiple-earthed neutral system of protection were granted further extension of time because of inability to procure labour and materials for completion of the work.

Extensions (totalling 1,250 kW) to plants at Cohuna, Heywood, Kerang, Manangatang, Nhill, Orbost, Portland, Serviceton, Underbool, and Warracknabeal were approved. Approval was also given to the conversion of the system of supply at Nhill from direct current to alternating current, and to the Kerang Shire Council's plans for an important extension of supply to rural consumers.

*Licensing of Electrical Mechanics.*—Licences in force at the 30th June, 1947 :—Grade "A", 2,470; Grade "B1", 110; Grade "B", 694; Grade "C", 716.

Two licensing examinations, each including theory and practice, were held.

Special conditional permits issued :—779 for periods not exceeding six months, and 455 for periods not exceeding twelve months.

*Registration of Electrical Contractors.*—At 30th June, 1947, 759 registrations were in force, 90 more than last year.

*Electrical Approvals Board.*—Under the Board's constitution, two of its members retire each year. This year Mr. H. C. Condie and Mr. J. A. Carmody, representing the interests of Victorian manufacturers and electrical undertakers respectively, were re-appointed.

Mr. D. Dunham, Chairman of the Board since its inception, retired and was succeeded by Mr. B. H. Miller.

*Electrolysis Mitigation.*—The Technical Sub-Committee has been able this year to increase its work of investigating electrolysis conditions and instituting remedial measures. A decrease in faults over the previous year was recorded and, as a result of additional remedial measures, further improvement is anticipated.

A cathodic scheme was designed to protect from corrosion two oil pipe lines laid under the River Yarra at Newport.

## PERSONNEL.

*Education and Training.*—This year 165 Commission trainees are engaged on full-time courses at the University or Technical Colleges under a special plan for rehabilitation of Commission ex-servicemen, under which the Commonwealth facilities are supplemented by the Commission. In addition, 188 trainees are pursuing part-time courses for which the Commission grants leave without loss of pay. Within the Commission, special training is being given to 82 cadet engineers and 28 electrical operators. During the year 176 men passed through the Training School for Linesmen. The Commission has 227 apprentices—principally in the engineering trades—and 31 trainee tradesmen are employed under the Commonwealth Rehabilitation Scheme. The uniformly excellent progress of personnel engaged in one or other of these training and education courses must be as great a source of satisfaction to the ex-service trainees in particular, as it is to the Commission.

*Welfare and Amenities.*—Despite the present-day difficulties in relation to buildings and fittings, good progress has been made with the improvements and extensions to facilities for meals and change-houses at the various Works centres. Hostels, associated dining rooms, kitchens, and recreational facilities providing accommodation of high standard for single men are being erected in the Yallourn and Kiewa territories ; these buildings have been accorded first priority.

*Safety.*—Safety and accident prevention measures are centred in the Safety Officer, and through him and four regional Safety Supervisors the work of sectional, branch, and departmental Safety Committees is co-ordinated. The safety organization is representative of personnel at all main locations.

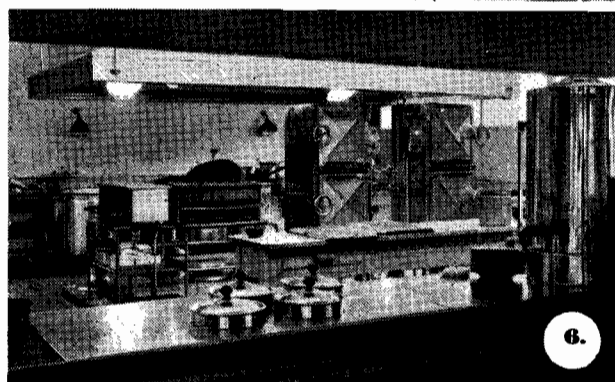
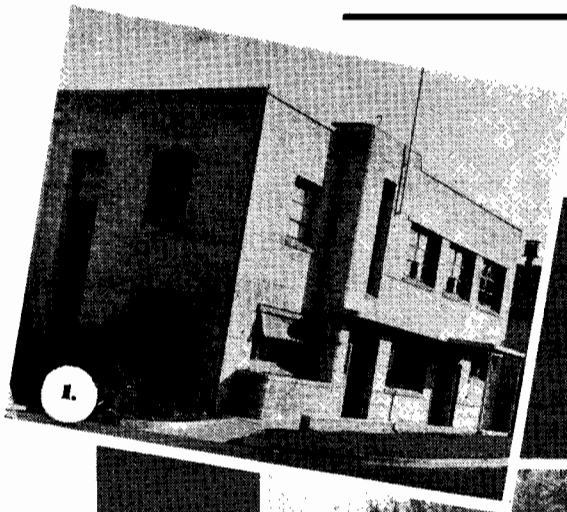
*Statistics.*—The number of staff and employees at the 30th June, 1947, compared with last year were as follows :—

				30th June, 1947.		30th June, 1946.
Personnel—						
Staff	..	..	..	3,186	..	2,699
Wages	..	..	..	7,026	..	6,571
				<hr/>		<hr/>
				10,212	..	9,270
				<hr/>		<hr/>

Wages employees at 30th June, 1947, were as follows :—

Disposition of Wages Personnel.							Operation.	Construction.
Power Generation	..	..	..	..	..	..	881	692
Main Transmission Lines, Terminal Stations, and Substations	..	..					419	310
Electricity Supply—Metropolitan Branch	..	..	..	..			269	90
Electricity Supply—Country Branches	..	..	..	..			352	479
Briquette Production and Distribution	..	..	..	..			394	..
Coal Winning—Yallourn	..	..	..	..	..	..	740	13
General Services and Workshops, Yallourn	..	..	..	..			771	232
General Services and Workshops, elsewhere	..	..	..	..			933	184
Tramways—Ballarat, Bendigo, and Geelong	..	..	..	..			267	..
Total	..	..	..	..	..	..	5,026	2,000
Grand Total	..	..	..	..	..	..	7,026	

**PERSONNEL-WELFARE AND AMENITIES**



**1. Welfare building**  
**Laboratory and Workshops, Yarraville**

**2. Shower and change room**  
**Laboratory and Workshops, Yarraville**

**3. Single Men's Hostel**  
**Bogong, Kiewa**

**4. Serving light refreshments**  
**Central Store - Footscray**

**5. Dining Room**  
**Yallourn Briquette Factory**

**6. All-electric Kitchen**  
**Mt. Beauty, Kiewa**



### COMMISSIONERS.

Mr. Commissioner W. D. Chapman, M.C.E., M.Inst.C.E., M.I.E.Aust., was re-appointed by the Government as a Commissioner for a period of one year as from the 13th May, 1947.

### STAFF.

The Commission records with regret the death of valued senior officers :—

- Mr. W. A. Potts, B.E., E.E. (U.S.A.), A.M.I.E. (Aust.), Electrical Engineer, Power Production Department, died on the 6th September, 1946, after serving for 25 years on the Commission's staff.
- Mr. R. W. Dimmitt, Metropolitan Transport Maintenance Superintendent, who died on the 24th December, 1946, was associated with the Melbourne Electric Supply Company Ltd. from 1915 and transferred to the Commission when that undertaking was acquired in 1930.
- Mr. P. L. Brett, Comptroller of Stores, who died on the 22nd July, 1947, joined the staff of the Melbourne Electric Supply Company Ltd. in 1915 and transferred to the Commission in 1930.
- Mr. W. G. Smellie, B.E., A.M.I.E. (Aust.), Works Manager, Briquette Production, died on the 8th September, 1947, after 24 years' association with the Commission in the establishment and operation of the briquetting industry.

Because of ill health, Mr. D. Dunham, Chief Electrical Inspector, resigned on the 30th September, 1946. The Commission has recorded in its minutes its high appreciation of the services rendered to the Commission and to the State by Mr. Dunham during his 18 years' service. Mr. Dunham was also Chairman of the Electrical Approvals Board since its inception in 1934.

Other important staff retirements, appointments, and promotions were :—

#### *Retirements :—*

Dann, E.	..	..	Workshop Superintendent, Yallourn.
Hannan, L. J. B.	..	..	District Superintendent, Cheltenham (Metropolitan Branch).
Hawes, G. A.	..	..	Superintendent, Field Clerks (Metropolitan Branch).
McMullen, G. R. W.	..	..	District Superintendent, Darling (Metropolitan Branch).
Wallman, H. P.	..	..	Superintendent, Coal Supply Operations, Yallourn.
Waterstrom, M.	..	..	District Superintendent, Camberwell (Metropolitan Branch).

#### *Appointments and Promotions :—*

Arblaster, W. R.	..	..	Officer Manager, Midland Branch.
Brewer, Dr. H. L.	..	..	Resident Medical Officer, Kiewa.
Buchanan, P. M.	..	..	Deputy Chief Electrical Inspector.
Campigli, W. R. G.	..	..	Officer Manager, Ballarat Branch.
Cuthbert, G. T.	..	..	Chief Electrical Inspector, Victoria.
Field, J.	..	..	Assistant General Superintendent, Yallourn.
Guy, L. T.	..	..	Fire Protection Engineer.
Harry, P. J. C.	..	..	Works Accountant, Yallourn.
Hassett, E. J.	..	..	Superintendent, Coal Supply Operations, Yallourn.
Knevitt, L. T.	..	..	Tunnelling Superintendent, Kiewa.
Moses, A. D. H.	..	..	Assistant Amenities and Welfare Officer.
Sambell, A. D.	..	..	Assistant Resident Engineer, Yallourn.
Simpson, A. H.	..	..	Accountant, Geelong Branch.
Williams, H. H. C.	..	..	Construction Engineer, Kiewa.
Williams, T. E.	..	..	Consumers' Engineer, Metropolitan Branch

During the year under review, problems—many and varied—imposed demands upon the Commission's organization which were both abnormal and exacting.

The accumulation of construction and maintenance work arising from the war and its aftermath, superimposed on the task of planning and entry upon a vast programme of new works, called for a major effort on the part of the Commission's staff.

Commissioners have pleasure in placing on record their appreciation of the loyal and efficient service rendered to the community by personnel of the Commission.

We have the honour to be,

Sir,

Your obedient servants,

G. G. JOBBINS, Chairman.

ANDREW W. FAIRLEY, Commissioner.

W. D. CHAPMAN, Commissioner.

A. W. HENDERSON, Commissioner.

W. J. PRICE, Secretary.

28th November, 1947.

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# STATE ELECTRICITY COMMISSION OF VICTORIA.

GENERAL BALANCE-SHEET AS AT 30th JUNE, 1947.

(Adjusted to nearest £1.)

[illegible]

There is a contingent asset and a contingent liability in respect of securities lodged as bona fides under Contracts to the extent of { £134,959 at 30th June, 1947 } held by the Bank on the Commission's behalf. { £105,509 at 30th June, 1946 }

H. S. KILFOYLE, Chief Accountant.

**AUDITOR-GENERAL'S CERTIFICATE.**

In accordance with Section 32 of Act 3776 the accounts of the State Electricity Commission of Victoria have been audited.

In my opinion the above Balance-sheet presents a true and correct view of the affairs of the undertaking at the 30th June, 1947.

R. LIDDELOW, Manager.  
5th November 1947.

E. A. PEVERILL, Auditor-General.  
10th November 1947.



**STATE ELECTRICITY COMMISSION OF VICTORIA**  
**SCHEDULE OF FIXED CAPITAL AS AT 30th JUNE, 1947.**  
(Adjusted to nearest £1.)

	Expenditure during 1946-47.	Total Expenditure 30/6/47.
	£	£
<b>Coal Production—</b>		
Yallourn Branch .. .. .	160,382	1,970,160
<b>Briquette Production—</b>		
Yallourn Branch .. .. .	47,899	1,842,840
<b>Power Production—Thermal Stations, &amp;c.—</b>		
Geelong .. .. .	2,493	349,902
Newport .. .. .	421,479	3,782,376
Richmond .. .. .	2,891	155,659
Yallourn .. .. .	65,702	5,234,597
South Western—Hamilton (Internal combustion engine station) .. .. .	8,686	8,801
<b>Power Production—Hydro Stations—</b>		
Kiewa .. .. .	419,392	2,086,153
Sugarloaf Rubicon .. .. .	2,867	832,681
Eastern Metropolitan (Warburton) .. .. .	..	5,189
<b>Transmission Systems—</b>		
Main Transmission Systems .. .. .	273,156	5,328,722
Ballarat Branch .. .. .	11,447	62,322
Bendigo Branch .. .. .	14,880	34,030
Eastern Metropolitan Branch .. .. .	46,349	305,646
Geelong Branch .. .. .	752	42,564
Gippsland Branch .. .. .	59,090	465,365
Metropolitan Branch .. .. .	..	13,339
Midland Branch .. .. .	9,057	152,704
North-Eastern Branch .. .. .	36,836	630,377
South-Western Branch .. .. .	42,832	533,166
<b>Distribution Systems—</b>		
Ballarat Branch .. .. .	31,468	273,923
Bendigo Branch .. .. .	29,109	208,226
Eastern Metropolitan Branch .. .. .	92,836	665,414
Geelong Branch .. .. .	14,071	390,712
Gippsland Branch .. .. .	68,817	599,700
Metropolitan Branch .. .. .	176,851	4,731,125
Midland Branch .. .. .	26,939	239,449
North-Eastern Branch .. .. .	71,217	569,643
South-Western Branch .. .. .	41,990	367,246
Yallourn Branch .. .. .	1,910	33,661
<b>Tramway Systems—</b>		
Ballarat Branch .. .. .	2,323	50,665
Bendigo Branch .. .. .	2,071	33,494
Geelong Branch .. .. .	2,440	102,946
<b>General—</b>		
Ballarat Branch .. .. .	1,757	32,796
Bendigo Branch .. .. .	335	50,525
Eastern Metropolitan Branch .. .. .	689	35,140
Geelong Branch .. .. .	21,909	52,060
Gippsland Branch .. .. .	2,274	46,902
Kiewa Branch .. .. .	219,275	288,582
Metropolitan .. .. .	46,849	766,339
Midland Branch .. .. .	1,941	8,937
North-Eastern Branch .. .. .	1,398	52,734
South-Western Branch .. .. .	3,106	34,337
Yallourn .. .. .	212,780	2,037,719
Head Office .. .. .	355,155	1,065,045
<b>Deduct—Proportion of cost of extensions payable by Consumer .. .. .</b>	3,055,700 10,078	36,573,913 113,765
	<b>3,045,622</b>	<b>36,460,148</b>

**Note.**—Construction Work in Progress included in above figures is shown separately in the Balance Sheet—

At 30th June, 1946 .. .. .	£2,670,751,
At 30th June, 1947 .. .. .	£3,598,939.

**STATE ELECTRICITY COMMISSION OF VICTORIA.**  
**DEBENTURES AND INSCRIBED STOCK.**

**LOANS RAISED UNDER THE AUTHORITY OF THE STATE ELECTRICITY COMMISSION'S**  
**ACTS Nos. 4087 and 4512.**  
(Adjusted to nearest £1.)

Loan No.		Original Issue.	Amount Subscribed to 30th June, 1947.	Rate.	Term.	Due.	Sinking Fund.	Redeemed to 30th June, 1947.	Outstanding at 30 June, 1947.
		£	£	%	Yrs.		%	£	£
State Electricity Commission of Victoria, Loan No.	1	600,000	600,000	3½	20	1954	1	58,897	541,103
"	2	382,000	382,000	3½	20	1954	1	45,840	336,160
"	3	100,000	100,000	4	15	1951	1	11,000	89,000
"	4	800,000	800,000	3½	10	1948	1	72,000	728,000
"	5	900,000	900,000	4½	10	1949	1	..	900,000
"	6	200,000	200,000	4½	10	1949	1	15,917	184,083
"	7	150,000	150,000	4½	15	1955	1	..	150,000
"	8	250,000	250,000	3·8125	10	1950	1	19,634	230,366
"	9	300,000	300,000	3·4375	16	1957	1	..	300,000
"	10	1,000,000	1,000,000	3·375	10	1955	1	20,337	979,663
"	11	150,000	150,000	3·3125	10	1956	1	..	150,000
"	12	1,350,000	1,350,000	3·3125	10	1956	1	..	1,350,000
"	13	500,000	500,000	3·3125	10	1957	1	..	500,000
"	14	500,000	500,000	3·25	10	1957	1	..	500,000
		7,182,000	7,182,000					243,625	6,938,375

**ISSUED BY UNDERTAKINGS ACQUIRED BY THE STATE ELECTRICITY COMMISSION OF VICTORIA**

Municipality.	Loan No.	Actual Rate.	Rate under Financial Emergency Act.	Original Issue.	Date of Acquisition.	Outstanding at Date of Acquisition.	Redeemed Since Date of Acquisition.	Outstanding at 30th June, 1947.
		%	%	£		£	£	£
<b>Bendigo Branch.</b>								
Marong Shire .. .. .	2	5½	5	1,700	1.7.31	1,592	719	873
Eaglehawk Borough .. .. .	8	4½	4½	3,500	1.10.35	3,151	2,694	457
" .. .. .	9	3¾	3¾	4,500	"	4,345	2,258	2,087
				9,700		9,088	5,671	3,417
<b>Eastern Metropolitan Branch.</b>								
Healesville Shire .. .. .	2	6	3½	8,000	1.4.33	6,215	4,415	1,800
" .. .. .	3	6½	3½	2,000	"	1,585	1,115	470
" .. .. .	9	5½	5	3,000	"	2,728	1,200	1,528
Lillydale Shire .. .. .	16	6½	3½	3,000	1.4.25	2,870	2,076	794
" .. .. .	16	6½	3½	2,000	"	1,913	1,384	529
				18,000		15,311	10,190	5,121
<b>Gippsland Branch.</b>								
Maffra Shire .. .. .	1	4¾	4¾	6,500	1.9.24	5,660	3,914	1,746
<b>Midland Branch.</b>								
Kyneton Shire .. .. .	3	5¾	3½	12,000	1.10.28	10,830	6,830	4,000
Newham and Woodend Shire .. .. .	2	5	5	750	1.8.29	750	300	450
				12,750		11,580	7,130	4,450
<b>North-Eastern Branch.</b>								
Mansfield Shire .. .. .	6	6	5	1,200	1.6.28	1,200	..	1,200
Towong Shire .. .. .	1	4½	4½	6,500	1.11.40	4,565	1,959	2,606
Wangaratta Borough .. .. .	8	6½	4½	6,500	12.3.27	6,079	4,173	1,906
" .. .. .	9	6	4½	1,500	"	1,412	985	427
Yea Shire .. .. .	3	6½	5	6,000	1.5.45	3,391	489	2,902
" .. .. .	4	5½	5	500	"	293	38	255
" .. .. .	5	5½	5	1,000	"	332	137	195
" .. .. .	8	4½	3½	1,200	"	836	112	724
				24,400		18,108	7,893	10,215
				71,350		59,747	34,798	24,949

STATE ELECTRICITY COMMISSION OF VICTORIA.  
TABULATION OF CAPITAL, REVENUE, AND OPERATING ACCOUNTS.

Year ended 30th June.	Capital.			Revenue.					Operating Expenditure including Writings Off, &c.	+ Surplus, — Deficit.			
	Capital Expenditure.	Loan Liability.	Reserves.	Electricity Supply.	Briquetting.	Tramways.	Miscellaneous.	Total.		Year.	To Date.		
									£			£	£
1925 ..	7,759,825	8,293,765	43,936	617,286	40,468	..	41,602	699,356	963,638	—	264,282	—	322,744
1926 ..	9,032,464	10,120,794	67,616	713,252	122,379	..	19,476	855,107	1,125,077	—	269,970	—	592,714
1927 ..	10,742,104	11,849,698	262,942	975,362	179,184	..	16,124	1,170,670	1,367,324	—	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	74	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	+	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	+	120,900	—	508,153
1940 ..	25,369,679	20,524,010	7,300,198	3,894,893	400,125	78,211	3,700	4,376,929	4,250,416	+	126,513	—	381,640
1941 ..	26,116,795	20,678,339	8,218,078	4,241,264	379,847	89,571	13,374	4,724,056	4,563,376	+	160,680	—	220,960
1942 ..	26,955,737	20,523,266	9,256,460	4,657,450	330,756	109,955	55,488	5,153,649	5,069,227	+	84,422	—	136,538
1943 ..	28,345,527	20,348,116	10,460,227	4,935,602	341,631	135,900	76,955	5,490,088	5,348,695	+	141,393	+	4,855
1944 ..	29,695,740	20,164,482	11,547,016	5,101,631	316,847	143,086	67,216	5,628,780	5,503,908	+	124,872	+	129,727
1945 ..	31,297,130	20,997,826	12,902,334	5,259,881	329,428	146,605	63,247	5,799,161	5,739,953	+	59,208	+	188,935
1946 ..	33,622,088	20,927,313	14,448,315	5,605,333	341,761	146,503	66,588	6,160,185	6,096,722	+	63,463	+	252,398
1947 ..	36,460,148	23,220,783	15,686,004	5,835,194	321,711	142,281	100,328	6,399,514	6,310,109	+	89,405	+	341,803

STATE ELECTRICITY COMMISSION OF VICTORIA.  
ELECTRICITY SALES—REVENUE—CONSUMER STATISTICS.

Year Ended 30th June.	Sales—kWh. (Millions).					Revenue.		Consumer Statistics—excluding Bulk Supply Areas.							Number of Farms Supplied.			
	Bulk Supplies.	Public Lighting.	Domestic.	Industrial including Traction.	Com-mercial.	Total.	Total.	Per kWh. Sold.		Population of Area of Supply.	Number of Consumers.	Percentage of Con- sumers to Population.	kWh. Sold per Consumer (Average).			Motors Connected.		
								Domestic.	Industrial.				Do mestic.	Industrial.		Com-mercial.	H.P.	
1938	241·988	12·950	110·597	258·274	54·080	677·889	£ 3,528,396	2·559	d.	1,018,000	249,244	24·5	540	57,820	1,611	32,386	227,903	3,426
1939	257·394	14·282	122·134	273·372	59·915	727·097	3,685,538	2·420	0·877	1,050,000	260,733	24·8	566	53,540	1,734	36,282	245,697	4,367
1940	285·031	16·804	141·172	311·916	67·224	822·147	3,881,022	2·165	0·848	1,080,000	271,749	25·2	626	53,730	1,917	41,530	275,458	5,147
1941	311·546	16·516	155·726	367·438	73·547	924·773	4,241,264	2·059	0·819	1,104,000	284,373	25·8	658	56,920	2,081	46,114	299,988	5,771
1942	369·236	10·509	173·951	441·734	78·168	1,073·598	4,657,452	1·973	0·800	1,123,000	292,341	26·0	703	62,300	2,245	50,465	322,283	6,131
1943	404·121	11·694	192·067	483·305	87·821	1,179·008	4,935,602	1·869	0·785	1,141,000	296,717	26·0	756	65,920	2,626	54,285	345,924	7,032
1944	422·287	15·984	203·979	466·137	92·938	1,201·325	5,101,631	1·822	0·812	1,149,000	300,465	26·1	793	60,170	2,769	59,483	365,746	7,467
1945	417·193	16·782	220·247	452·664	100·790	1,207·676	5,259,890	1·783	0·830	1,193,000	311,172	26·1	838	50,470	2,934	65,983	401,085	8,772
1946	447·005	17·255	250·245	449·623	110·413	1,274·541	5,605,333	1·700	0·857	1,200,000	321,631	26·8	928	41,860	3,104	71,796	430,452	10,209
1947	449·380	17·614	285·596	486·994	104·539	1,344·123	5,835,194	1·606	0·846	1,253,000	339,286	27·1	1,015	38,330	2,769	77,735	454,901	11,680
Metropolitan 1947 (Inc. Metro. Bulk Supplies)	431·947	13·611	199·143	349·649	56·913	1,051·263	4,042,652	1·406	0·810	777,435	206,633	26·58	1,098	84,620	2,988	46,367	270,751	995
1946	430·764	13·479	182·978	338·750	60·858	1,926·829	3,993,473	1·472	0·814	759,735	202,208	26·62	1,025	94,097	3,290	43,740	262,326	950
Ballarat 1947	..	0·442	6·119	9·163	4·106	19·830	153,111	2·661	1·041	54,635	13,785	25·23	557	22,350	2,034	3,183	15,747	290
1946	..	0·439	4·680	7·339	4·936	17·394	144,431	3·126	1·146	52,438	12,992	24·78	449	20,969	2,566	2,817	13,562	243
Bendigo 1947	..	0·508	4·706	8·319	2·370	15·903	112,640	2·554	0·954	35,418	10,086	28·48	584	26,409	1,779	2,124	14,625	262
1946	..	0·492	3·568	6·290	2·437	12·787	99,960	2·986	1·015	33,835	9,263	27·38	472	25,362	1,970	1,906	13,781	234
Geelong 1947	..	0·493	8·521	25·820	4·953	39·787	233,416	2·474	0·829	63,880	16,255	25·45	640	60,186	2,290	4,974	33,203	397
1946	..	0·485	7·219	23·347	4·895	35·946	219,345	2·738	0·840	61,020	15,483	25·37	563	72,731	2,371	4,765	31,754	333
Eastern 1947	..	0·736	27·048	10·324	10·451	48·559	329,426	1·698	1·207	71,535	27,858	38·94	1,224	8,142	3,362	2,825	18,973	2,171
1946	..	0·698	21·036	7·714	9·885	39·333	294,445	1·913	1·296	64,088	24,985	38·99	1,045	7,669	3,420	2,369	14,976	1,869
Metrop'tn 1947	..	0·534	14·832	34·685	6·699	56·750	304,581	1·866	0·895	80,589	20,740	25·74	1,046	12,696	2,312	6,454	35,339	3,133
1946	..	0·499	11·705	29·176	7·568	48·948	273,785	2·041	0·939	73,805	18,580	25·17	906	11,923	2,864	5,766	32,256	2,849
Gippsland 1947	..	0·304	4·244	7·735	3·258	15·541	108,440	2·483	0·995	38,171	8,781	23·00	646	19,484	2,188	1,713	11,325	606
1946	..	0·299	3·491	6·924	3·434	14·148	101,740	2·726	1·003	37,244	8,078	21·69	571	23,882	2,527	1,589	10,452	433
North 1947	17·433	0·614	11·109	28·593	12·238	69·987	363,668	2·217	0·882	73,186	19,907	27·20	793	18,948	3,521	6,815	42,613	2,002
1946	16·241	0·558	8·601	18·725	13·704	57·829	325,405	2·477	0·988	69,256	17,777	25·67	688	16,240	4,293	6,069	40,926	1,668
Eastern N.S.W. (Inc. N.S.W. Bulk Supplies)	..	0·372	9·874	12·706	3·551	26·503	185,524	2·078	1·059	57,905	15,241	26·32	905	8,381	1,554	3,280	12,325	1,824
South 1947	..	0·306	6·967	11·358	2·696	21·327	150,455	2·296	1·069	48,557	12,272	25·27	795	8,993	1,508	2,775	10,419	1,630
Western 1946	..	..	..	..	..	..	1,736	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous 1947	..	..	..	..	..	..	2,294	..	..	..	..	..	..	..	..	..	..	..
1946	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total 1947	449·380	17·614	285·596	486·994	104·539	1,344·123	5,835,194	1·606	0·846	1,252,754	339,286	27·1	1,015	38,330	2,769	77,735	454,901	11,680
1946	447·005	17·255	250·245	449·623	110·413	1,274·541	5,605,333	1·700	0·857	1,199,978	321,631	26·8	928	41,860	3,104	71,796	430,452	10,209

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



STATE ELECTRICITY COMMISSION OF VICTORIA.  
STANDARD TARIFFS AS AT 30TH JUNE, 1947.

Tariffs.	Residential and Commercial (See Note 2 below).			Industrial (Factories and Other Industrial Establishments).	Miscellaneous.
	Metropolitan.	Provincial City and Town. (Ballarat, Bendigo, Geelong, and Large Towns.)	Country. (Smaller Towns and Rural Areas.)		
	1	2	3	4	5
<b>Residential Tariff</b> (Domestic and Commercial Residential Premises)— Service charge a month for each assessable room .. .. Rate a kWh. .. .. Maximum overall rate a kWh. .. ..	11d. 0·9d. 5·0d.	1s. 2d. 1·25d. 8·0d.	1s. 2d. 1·4d. 8·0d.		
<b>Lighting</b> — Block Tariff—rates a kWh. (based on monthly consumption) ..	First 20 at 4d. 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 20 at 4d. Balance at 3d.	Tariffs for the following centres are the same as shown in Columns 2 and 4, except the Residential Tariff:— Croydon Heathmont Ringwood.
<b>Power and Heating</b> — Block Tariff—rates a kWh. (based on monthly consumption) ..	First 200 at 2d. Next 4,800 at 1·2d. " 20,000 at 0·9d. Balance at 0·8d.	First 200 at 2·25d. Next 4,800 at 1·5d. " 20,000 at 1·0d. Balance at 0·8d.	First 50 at 2·5d. Next 150 at 2·25d. " 4,800 at 1·5d. " 20,000 at 1·0d. Balance at 0·9d. 10 p.m.-6 a.m.—0·35d. 5s.	First 200 at 2d. Next 4,800 at 1·2d. " 20,000 at 0·9d. Balance at 0·8d. 11 p.m.-7 a.m.—0·3d. 5s.	Tariffs for the following centres are the same as shown in Columns 3 and 4 except:— Kilsyth and Montrose (Residential Tariff) Lara and Lara Lake (Commercial Power and Heating Tariff.)
Prescribed hours—rate a kWh. .. .. Rental a month for each two-rate meter .. ..	11 p.m.-7 a.m.—0·3d. 5s.	10.30 p.m.-6.30 a.m.*— 0·35d. 5s.			
<b>Industrial All-purposes</b> — Block Tariff—rates a kWh. (Based on monthly consumption) ..	.. ..	.. ..	.. ..	First 20 at 4d. Next 480 at 3d. " 4,500 at 1·9d. " 20,000 at 0·9d. " 100,000 at 0·8d. Balance at 0·7d. 11 p.m.-7 a.m.—0·3d. 5s. (See Note 3 below)	Details of tariffs for above centres will be supplied on request.
Prescribed hours—rate a kWh. .. .. Rental a month for each two-rate meter .. ..	.. ..	.. ..	.. ..		
<b>Industrial Maximum Demand</b> (See Note 4 below)	.. ..	.. ..	.. ..	£9 10s. a year for each kW. of maximum de- mand plus 0·225d. a kWh. (500 kW. Mini- mum demand charge). Reset monthly.	
<b>Commercial Cooking Tariff</b> —a kWh. .. ..	0·9d.	1·25d.	1·4d.	.. ..	
<b>Water Heating</b> —Night Tariff a kWh. .. ..	11 p.m.-7 a.m.—0·35d.	10.30 p.m.-6.30 a.m.*— 0·45d.	10 p.m.-6 a.m.—0·45d.	11 p.m.-7 a.m.*—0·35d.	
<b>Minimum Charge</b> .. ..	2s. 6d.	3s.	3s. 6d.	2s. 6d.	

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

NOTES—1. Details regarding the application of the above tariffs are shown in the Commission's published tariff schedules which are available on request.  
2. Residential and Commercial tariffs also cover supply to farms.  
3. A consumer adopting the Industrial All-Purposes Tariff must agree to pay a special minimum charge of £10 5s. 10d. a month.  
4. The Industrial 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, 1947.

## SUMMARY.

	Population.	Consumers.		*Kilowatt-hours Sold.	
		Number.	Percentage of Grand Total.	Number.	Per centage of Grand Total.
STATE ELECTRICITY COMMISSION OF VICTORIA—					
Metropolitan	{ 775,480 129,719 347,555	207,653	42·82	615,223,621	47·68
Provincial Cities		34,253	7·06	67,149,533	5·21
Country .. .. .		97,380	20·07	212,369,692	16·46
TOTAL .. .. .	1,252,754	339,286	69·95	894,742,846	69·35
OTHER UNDERTAKINGS—					
Metropolitan (receiving Bulk Supply from State Electricity Commission of Victoria .. .. .	462,000	120,102	24·76	372,692,151	28·88
Country (Local Undertakings) .. .. .	101,000	25,642	5·29	22,790,092	1·77
TOTAL .. .. .	563,000	145,744	30·05	395,482,243	30·65
GRAND TOTAL .. .. .	1,815,754	485,030	100·00	1,290,225,089	100·00

\* Retail sales to Victorian consumers by Electricity Supply undertakings.

## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
Metropolitan.							
Brighton .. .. .	Metro.	Melbourne ..	A.C., 3 ph. and 1 ph. ..	767,088	204,245	1 and 4	1.9.30
Broadmeadows (Fawknor and Glenroy and portions of North Essendon and Pascoe Vale only)	"	" ..	A.C., 3 ph... ..				1.8.22
Camberwell .. .. .	"	" ..	A.C., 3 ph. and 1 ph. ..				1.9.30
Caulfield .. .. .	"	" ..	A.C., 3 ph. and 1 ph. ..				1.9.30
Collingwood .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
Essendon .. .. .	"	" ..	A.C., 3 ph. ..				1.8.22
Fitzroy .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
Hawthorn .. .. .	"	" ..	A.C., 3 ph. and 1 ph. ..				1.9.30
Kensington/Flemington .. .. .	"	" ..	A.C., 3 ph. ..				1.8.22
Kew.. .. .	"	" ..	A.C., 3 ph. and 1 ph. ..				1.9.30
Malvern .. .. .	"	" ..	A.C., 3 ph. and 1 ph. ..				1.9.30
Moorabbin .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
Mordialloc .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
Mulgrave (part) .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
Oakleigh .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
Prahran .. .. .	"	" ..	A.C., 3 ph. and 1 ph. ..				1.9.30
Richmond .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
St. Kilda .. .. .	"	" ..	A.C., 3 ph. and 1 ph. ..				1.9.30
Sandringham .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
South Melbourne .. .. .	"	" ..	A.C., 3 ph. ..				1.9.30
Sunshine .. .. .	"	Sunshine ..	A.C., 3 ph. ..				1.3.27
City of Chelsea (Aspendale Bonbeach, Carrum, Chelsea, and Edithvale)	E/M.	Chelsea ..	A.C., 3 ph. ..	8,265	3,358	1 and 4	31.12.44
East Oakleigh (portion only) ..	"	Dandenong ..	A.C., 3 ph. and 1 ph. ..	82	34	1 and 4	19.7.26
Burwood (portion only) ..	"	" ..	A.C., 1 ph. ..	45	17	1 and 4	7.10.38
Ballarat.							
City of Ballarat (including Alfredton, Ballarat East, Ballarat North, Brown Hill, Canadian and Mt. Pleasant)	Ball.	Ballarat ..	A.C., 3 ph. .. D.C., 3 wire ..	42,530	10,971	2 and 4	1.7.34
Borough of Sebastopol ..	"	" ..	A.C., 3 ph. ..				(Mt. Clear
Ballarat Shire (Wendouree only)	"	" ..	A.C., 3 ph. ..				30.6.47)
Mt. Clear .. .. .	"	" ..	A.C., 1 ph. ..				

## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
Bendigo.							
City of Bendigo (including Golden Square, Long Gully and White Hills)	Bend.	Bendigo ..	A.C., 3 ph. ..	32,189	9,387	2 and 4	1.7.34
Borough of Eaglehawk ..	"	" ..	A.C., 3 ph. and 1 ph. ..				1.2.36
Huntly Shire (portion only, including Epsom)	"	" ..	A.C., 3 ph. and 1 ph. ..				19.5.37 (Epsom 29.12.39)
Marong Shire (portion only, including Kangaroo Flat)	"	" ..	A.C., 3 ph. and 1 ph. ..				1.7.34
Strathfieldsaye Shire (portion only, including Bendigo East, Grassy Flat, Kennington and Spring Gully)	"	" ..	A.C., 3 ph. and 1 ph. ..				1.7.34
Geelong.							
City of Geelong .. ..	Geel.	Geelong ..	A.C., 3 ph. .. D.C., 3 wire ..	55,000	13,895	2 and 4	1.9.30 (Fyansford 10.10.38)
City of Geelong West ..	"	" ..	A.C., 3 ph. ..				
Newtown and Chilwell ..	"	" ..	A.C., 3 ph. ..				
Corio Shire (North Geelong, North Shore and Fyansford)	"	" ..	A.C., 3 ph. ..				
South Barwon Shire (Belmont, Grovedale and Highton)	"	" ..	A.C., 3 ph. ..				
Bellarine Shire (Whittington) ..	"	" ..	A.C., 3 ph. ..				
Country.							
Acheron .. ..	N/E.	Alexandra ..	A.C., 1 ph. ..	70	43	3 and 4	24.11.37
Agnes .. ..	Gipps.	Foster ..	A.C., 1 ph. ..	100	31	3 and 4	1.11.38
Airey's Inlet .. ..	S/W.	Lorne ..	A.C., 1 ph.* ..	60	35	3 and 4	24.12.36
Airly .. ..	Gipps.	Sale ..	A.C., 1 ph. ..	100	32	3 and 4	16.6.37
Alberton .. ..	Gipps.	Yarram ..	A.C., 3 ph. ..	300	38	3 and 4	1.10.46
Alexandra .. ..	N/E.	Alexandra ..	A.C., 3 ph. ..	1,000	346	3 and 4	11.4.27
Allansford .. ..	S/W.	Warrnambool..	A.C., 1 ph.* ..	400	81	3 and 4	20.11.24
Altona .. ..	Metro.	Werribee ..	A.C., 3 ph. and 1 ph. ..	3,044	778	2 and 4	9.12.24
Alvie .. ..	S/W.	Colac ..	A.C., 1 ph.* ..	130	26	3 and 4	15.10.24
Anglesea .. ..	S/W.	Lorne ..	A.C., 1 ph.* ..	150	114	3 and 4	21.12.36
Archie's Creek .. ..	Gipps.	Korumburra ..	A.C., 3 ph. and 1 ph. ..	255	61	3 and 4	1.9.40
Ardmona .. ..	N/E.	Shepparton ..	A.C., 3 ph. and 1 ph. ..	200	151	3 and 4	25.3.38
Ascot .. ..	Ball.	Ballarat ..	A.C., 3 ph. ..	35	22	3 and 4	7.12.38
Avoca .. ..	Mid.	Maryborough ..	A.C., 3 ph. ..	880	301	3 and 4	1.8.40
Bacchus Marsh .. ..	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph. ..	2,816	691	3 and 4	3.6.41
Baddaginnie .. ..	N/E.	Benalla ..	A.C., 1 ph. ..	100	29	3 and 4	23.7.36
Badger Creek .. ..	E/M.	Healesville ..	A.C., 1 ph. ..	160	40	3 and 4	1.4.33
Bairnsdale .. ..	Gipps.	Bairnsdale ..	A.C., 3 ph. and 1 ph. ..	4,300	1,327	2 and 4	1.4.27
Bairnsdale Rural ..	Gipps.	Bairnsdale ..	A.C., 1 ph. ..	200	6	3 and 4	13.2.36
Bald Hills .. ..	Ball.	Ballarat ..	A.C., 1 ph. ..	30	3	3 and 4	13.7.38
Palintore .. ..	S/W.	Colac ..	A.C., 1 ph.* ..	50	8	3 and 4	1.6.37
Ballan .. ..	Ball.	Ballarat ..	A.C., 3 ph. and 1 ph. ..	980	217	3 and 4	1.3.40
Ballarat Rural .. ..	Ball.	Ballarat ..	A.C., 3 ph. ..	150	22	3 and 4	1.7.34
Ballendella .. ..	N/E.	Rochester ..	A.C., 3 ph. ..	160	74	3 and 4	20.3.40
Balmattum .. ..	N/E.	Benalla ..	A.C., 1 ph. ..	34	9	3 and 4	8.10.37
Bamawm .. ..	N/E.	Rochester ..	A.C., 3 ph. and 1 ph. ..	170	192	3 and 4	19.12.45
Barker's Creek .. ..	Mid.	Castlemaine ..	A.C., 3 ph. and 1 ph. ..	200	11	3 and 4	15.12.44
Barnawartha .. ..	N/E.	Wodonga ..	A.C., 1 ph. ..	280	48	3 and 4	7.10.27
Barrabool .. ..	Geel.	Geelong ..	A.C., 1 ph. ..	150	25	3 and 4	10.12.45
Barwon .. ..	N/E.	Numurkah ..	A.C., 3 ph. ..	30	15	3 and 4	24.4.45
Barwon Heads .. ..	Geel.	Queenscliff ..	A.C., 1 ph. ..	600	297	3 and 4	6.9.24
Batesford .. ..	Geel.	Geelong ..	A.C., 1 ph. ..	150	22	3 and 4	28.2.39
Bayles .. ..	Gipps.	Koo-wee-rup ..	A.C., 3 ph. and 1 ph. ..	230	97	3 and 4	11.9.35
Bayswater .. ..	E/M.	Ringwood ..	A.C., 1 ph. ..	600	300	3 and 4	24.7.26
Beaconsfield .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	155	89	3 and 4	18.6.28
Beeac .. ..	S/W.	Colac ..	A.C., 1 ph. ..	470	124	3 and 4	21.5.24
Beechworth .. ..	N/E.	Beechworth ..	A.C., 3 ph. ..	2,600	541	3 and 4	2.9.46
Belgrave .. ..	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph. ..	2,057	1,050	2 and 4	24.8.25
Bellbrae .. ..	Geel.	Geelong ..	A.C., 1 ph. ..	20	5	3 and 4	9.8.44
Bena .. ..	Gipps.	Korumburra ..	A.C., 3 ph. and 1 ph. ..	365	113	3 and 4	10.7.30
Benalla .. ..	N/E.	Benalla ..	A.C., 3 ph. ..	5,000	1,386	2 and 4	1.5.26
Benalla Rural .. ..	N/E.	Benalla ..	A.C., 1 ph. ..	90	42	3 and 4	26.5.37
Bennison .. ..	Gipps.	Foster ..	A.C., 1 ph. ..	80	21	3 and 4	29.10.38
Berwick .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	655	297	3 and 4	7.5.28
Birregurra .. ..	S/W.	Colac ..	A.C., 1 ph. ..	400	130	3 and 4	30.10.24
Bittern .. ..	E/M.	Frankston ..	A.C., 1 ph. ..	115	25	3 and 4	22.12.37
Blampied .. ..	Ball.	Daylesford ..	A.C., 1 ph. ..	50	7	3 and 4	23.4.47
Boisdale .. ..	Gipps.	Maffra ..	A.C., 1 ph. ..	520	168	3 and 4	13.7.37
Bona Vista .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	100	37	3 and 4	30.12.38
Bonegilla .. ..	N/E.	Wodonga ..	A.C., 3 ph. ..	40	16	3 and 4	18.12.40
Bonnie Doon .. ..	N/E.	Alexandra ..	A.C., 1 ph. ..	270	44	3 and 4	31.1.41
Bookar .. ..	S/W.	Camperdown ..	A.C., 1 ph. ..	30	2	3 and 4	10.8.37
Boolarra .. ..	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph. ..	420	80	3 and 4	29.10.24

## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
<b>Country—continued.</b>							
Boolarra South .. ..	Gipps.	Leongatha ..	A.C., 1 ph. ..	90	21	3 and 4	1.8.40
Boronia .. ..	E/M.	Ringwood ..	A.C., 3 ph. and 1 ph.	1,350	530	3 and 4	23.1.27
Bostock's Creek .. ..	S/W.	Camperdown ..	A.C., 1 ph.* ..	50	15	3 and 4	15.12.24
Bowen Vale .. ..	Mid.	Maryborough ..	A.C., 1 ph. ..	50	4	3 and 4	10.5.40
Bowser .. ..	N/E.	Wangaratta ..	A.C., 3 ph. ..	92	9	3 and 4	23.4.34
Braeside .. ..	Metro. and E/M.	Melbourne Dandenong }	A.C., 3 ph. and 1 ph.	142	40	3 and 4	27.6.30
Brandy Creek .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	63	15	3 and 4	15.2.39
Briagolong .. ..	Gipps.	Maffra ..	A.C., 1 ph. ..	550	94	3 and 4	5.3.37
Briar Hill .. ..	E/M.	Greensborough ..	A.C., 3 ph. ..	363	142	3 and 4	12.5.26
Bridgewater .. ..	Bend.	Inglewood ..	A.C., 3 ph. and 1 ph.	500	114	3 and 4	27.4.40
Bright .. ..	N/E.	Myrtleford ..	A.C., 3 ph. ..	1,570	230	3 and 4	1.12.41
Broadmeadows .. ..	Metro.	Melbourne ..	A.C., 3 ph. ..	432	86	3 and 4	18.11.35
Bruthen .. ..	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	600	116	3 and 4	1.10.30
Buffalo River .. ..	N/E.	Myrtleford ..	A.C., 3 ph. ..	48	6	3 and 4	24.1.45
Bulla .. ..	Mid.	Bacchus Marsh ..	A.C., 1 ph. ..	168	21	3 and 4	10.11.36
Bullaharrie .. ..	S/W.	Camperdown ..	A.C., 1 ph.* ..	15	3	3 and 4	30.10.45
Bullock Swamp .. ..	S/W.	Colac ..	A.C., 1 ph.* ..	50	14	3 and 4	12.9.24
Buln Buln .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	180	57	3 and 4	1.12.30
Bundalagwah .. ..	Gipps.	Sale ..	A.C., 1 ph. ..	250	39	3 and 4	13.11.36
Bundoora .. ..	E/M.	Greensborough ..	A.C., 3 ph. and 1 ph.	130	42	3 and 4	31.12.27
Bungaree .. ..	Ball.	Ballarat ..	A.C., 3 ph. ..	180	41	3 and 4	14.5.40
Bung Bong .. ..	Mid.	Maryborough ..	A.C., 3 ph. and 1 ph.	20	7	3 and 4	21.4.41
Buninyong .. ..	Ball.	Ballarat ..	A.C., 1 ph. ..	660	148	3 and 4	14.1.37
Bunyip .. ..	Gipps.	Koo-wee-rup ..	A.C., 3 ph. and 1 ph.	900	142	3 and 4	15.10.28
Burramine .. ..	N/E.	Yarrawonga ..	A.C., 1 ph. ..	90	24	3 and 4	12.9.35
Byrneside .. ..	N/E.	Shepparton ..	A.C., 1 ph. ..	65	40	3 and 4	24.5.37
Caldermeade .. ..	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	150	59	3 and 4	6.9.35
Campbellfield .. ..	Metro.	Melbourne ..	A.C., 3 ph. and 1 ph.	372	51	3 and 4	14.9.36
Campbell's Creek .. ..	Mid.	Castlemaine ..	A.C., 1 ph. ..	400	70	3 and 4	28.11.41
Camperdown .. ..	S/W.	Camperdown ..	A.C., 3 ph. ..	3,600	873	2 and 4	30.12.23
Camperdown Rural .. ..	S/W.	Camperdown ..	A.C., 3 ph. and 1 ph.*	2,000	571	3 and 4	9.1.36
Caramut .. ..	S/W.	Terang ..	A.C., 1 ph.* ..	170	38	3 and 4	12.8.38
Carisbrook .. ..	Mid.	Maryborough ..	A.C., 3 ph. and 1 ph.	240	139	3 and 4	24.11.37
Carlsruhe .. ..	Mid.	Kyneton ..	A.C., 1 ph. ..	32	4	3 and 4	13.9.44
Carranballac .. ..	S/W.	Terang ..	A.C., 1 ph.* ..	60	6	3 and 4	18.10.39
Castlemaine .. ..	Mid.	Castlemaine ..	A.C., 3 ph. and 1 ph.	6,380	1,514	2 and 4	31.12.29
Catani .. ..	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	125	76	3 and 4	27.10.36
Ceres .. ..	Geel.	Geelong ..	A.C., 1 ph. ..	250	34	3 and 4	26.11.45
Chewton .. ..	Mid.	Castlemaine ..	A.C., 3 ph. ..	640	99	3 and 4	23.9.38
Chiltern .. ..	N/E.	Rutherglen ..	A.C., 3 ph. ..	1,200	173	3 and 4	1.9.26
Chocolyn .. ..	S/W.	Camperdown ..	A.C., 1 ph. ..	20	2	3 and 4	14.1.38
Clarkefield .. ..	Mid.	Bacchus Marsh ..	A.C., 1 ph. ..	12	3	3 and 4	13.3.45
Clayton .. ..	Metro. and E/M.	Melbourne Dandenong }	A.C., 3 ph. and 1 ph.	746	233	3 and 4	30.4.26
Clayton South .. ..	Metro.	Melbourne ..	A.C., 3 ph. ..	38	7	3 and 4	10.11.44
Clematis .. ..	E/M.	Belgrave ..	A.C., 1 ph. ..	100	39	3 and 4	24.8.34
Clifton Springs .. ..	Geel.	Queenscliff ..	A.C., 1 ph. ..	30	3	3 and 4	15.12.26
Cloverlea .. ..	Gipps.	Trafalgar ..	A.C., 1 ph. ..	235	85	3 and 4	7.4.30
Clunes .. ..	Ball.	Ballarat ..	A.C., 3 ph. ..	1,000	256	3 and 4	9.2.38
Clydebank .. ..	Gipps.	Sale ..	A.C., 1 ph. ..	100	22	3 and 4	9.4.36
Cobden .. ..	S/W.	Camperdown ..	A.C., 3 ph. ..	760	276	3 and 4	26.3.24
Cobram .. ..	N/E.	Cobram ..	A.C., 3 ph. ..	1,050	327	3 and 4	1.10.28
Cobrico .. ..	S/W.	Camperdown ..	A.C., 1 ph.* ..	20	1	3 and 4	22.12.38
Coghill's Creek .. ..	Ball.	Ballarat ..	A.C., 1 ph. ..	25	7	3 and 4	7.2.46
Colac .. ..	S/W.	Colac ..	A.C., 3 ph. and 1 ph.	6,500	1,835	2 and 4	1.9.23
Colac Rural .. ..	S/W.	Colac ..	A.C., 3 ph. and 1 ph.	2,300	647	3 and 4	9.1.36
Coldstream .. ..	E/M.	Healesville ..	A.C., 3 ph. and 1 ph.	118	42	3 and 4	1.7.33
Coleraine .. ..	S/W.	Hamilton ..	A.C., 3 ph. ..	1,200	246	3 and 4	1.7.46
Condah Swamp .. ..	S/W.	Port Fairy ..	A.C., 1 ph. ..	20	3	3 and 4	18.10.45
Congupna .. ..	N/E.	Shepparton ..	A.C., 3 ph. ..	58	18	3 and 4	7.9.34
Connewarre .. ..	Geel.	Geelong ..	A.C., 1 ph. ..	120	13	3 and 4	10.8.44
Coragulac .. ..	S/W.	Colac ..	A.C., 1 ph.* ..	100	18	3 and 4	30.4.24
Cora Lynn .. ..	Gipps.	Koo-wee-rup ..	A.C., 3 ph. and 1 ph.	300	98	3 and 4	9.8.35
Cororooke .. ..	S/W.	Colac ..	A.C., 3 ph. ..	400	77	3 and 4	27.3.24
Corunnun .. ..	S/W.	Colac ..	A.C., 1 ph. ..	20	4	3 and 4	12.7.44
Couangalt .. ..	Mid.	Bacchus Marsh ..	A.C., 1 ph. ..	50	5	3 and 4	1.8.37
Cowwarr .. ..	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph.	375	93	3 and 4	8.11.24
Craigieburn .. ..	Metro.	Melbourne ..	A.C., 3 ph. ..	132	23	3 and 4	18.7.42
Cranbourne .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	836	171	3 and 4	12.9.28
Cressy .. ..	S/W.	Colac ..	A.C., 1 ph. ..	300	75	3 and 4	19.11.41
Creswick .. ..	Ball.	Ballarat ..	A.C., 3 ph. and 1 ph.	1,680	340	3 and 4	24.11.37
Crib Point .. ..	E/M.	Frankston ..	A.C., 1 ph. ..	600	176	3 and 4	23.8.29
Crossley .. ..	S/W.	Port Fairy ..	A.C., 1 ph.* ..	80	16	3 and 4	16.3.38
Croydon .. ..	E/M.	Ringwood ..	A.C., 3 ph. and 1 ph.	2,120	1,034	5	1.4.25
Cudjee .. ..	S/W.	Warrnambool ..	A.C., 1 ph.* ..	40	11	3 and 4	7.12.38
Curlewis .. ..	Geel.	Queenscliff ..	A.C., 1 ph. ..	50	11	3 and 4	21.9.46
Dalmore .. ..	Gipps.	Koo-wee-rup ..	A.C., 3 ph. and 1 ph.	150	33	3 and 4	29.1.37
Dalyston .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	180	39	3 and 4	15.11.40
Dandenong .. ..	E/M.	Dandenong ..	A.C., 3 ph. and 1 ph.	6,470	2,032	2 and 4	1.10.23

## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
Country—continued.							
Darley .. .. .	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph.	(See Bacchus Marsh)		3 and 4	9.9.40
Darlington .. .. .	S/W.	Camperdown ..	A.C., 1 ph.* ..	100	15	3 and 4	22.4.38
Darnum .. .. .	Gipps.	Trafalgar ..	A.C., 3 ph. ..	246	52	3 and 4	20.12.24
Dawson .. .. .	Gipps.	Maffra ..	A.C., 1 ph. ..	30	6	3 and 4	16.4.37
Daylesford .. .. .	Ball.	Daylesford ..	A.C., 3 ph. ..	3,150	857	2 and 4	31.10.40
Daylesford Rural .. .. .	Ball.	Daylesford ..	A.C., 3 ph. ..	80	23	3 and 4	21.12.44
Deer Park .. .. .	Metro.	Sunshine ..	A.C., 3 ph. ..	509	90	3 and 4	14.2.29
Dennington .. .. .	S/W.	Warrnambool ..	A.C., 3 ph. and 1 ph.	400	86	3 and 4	1.2.29
Derrinallum .. .. .	S/W.	Camperdown ..	A.C., 1 ph. ..	200	81	3 and 4	20.4.38
Devenish .. .. .	N/E.	Yarrawonga ..	A.C., 3 ph. ..	210	45	3 and 4	14.2.40
Devon North .. .. .	Gipps.	Yarram ..	A.C., 1 ph. ..	240	10	3 and 4	31.7.46
Diamond Creek .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	485	145	3 and 4	10.5.29
Digger's Rest .. .. .	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph.	89	28	3 and 4	15.3.29
Dingee .. .. .	Bend.	Inglewood ..	A.C., 1 ph. ..	250	53	3 and 4	9.11.44
Dingley .. .. .	E/M.	Dandenong ..	A.C., 3 ph. and 1 ph.	291	69	3 and 4	10.10.29
Dixie .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	20	4	3 and 4	24.9.45
Donnybrook .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	106	22	3 and 4	11.3.41
Dookie .. .. .	N/E.	Shepparton ..	A.C., 1 ph. ..	280	72	3 and 4	8.3.37
Driffield .. .. .	Gipps.	Traralgon ..	A.C., 1 ph. ..	100	19	3 and 4	6.4.38
Dromana .. .. .	E/M.	Sorrento ..	A.C., 3 ph. and 1 ph.	756	398	3 and 4	8.12.27
Drouin .. .. .	Gipps.	Warragul ..	A.C., 3 ph. ..	1,294	333	3 and 4	1.10.24
Drouin Rural .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	156	47	3 and 4	13.11.28
Drouin West .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	55	17	3 and 4	18.2.39
Drysdale .. .. .	Geel.	Queenscliff ..	A.O., 1 ph. ..	1,200	220	3 and 4	13.2.24
Dumbalk .. .. .	Gipps.	Leongatha ..	A.C., 3 ph. and 1 ph.	150	63	3 and 4	14.9.36
Dumbalk North .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	100	84	3 and 4	7.8.39
Dundonnell .. .. .	S/W.	Camperdown ..	A.C., 1 ph.* ..	30	8	3 and 4	22.4.47
Dunkeld .. .. .	S/W.	Terang ..	A.C., 1 ph. ..	370	86	3 and 4	10.8.39
Dunolly .. .. .	Mid.	Maryborough ..	A.C., 3 ph. ..	590	187	3 and 4	31.3.38
East Oakleigh .. .. .	E/M.	Dandenong ..	A.C., 3 ph. and 1 ph.	42	16	3 and 4	19.7.26
Eastern View .. .. .	S/W.	Lorne ..	A.C., 1 ph.* ..	40	14	3 and 4	7.9.39
Echuca .. .. .	N/E.	Echuca ..	A.C., 3 ph. ..	5,170	1,164	2 and 4	10.11.24
Echuca Rural .. .. .	N/E.	Echuca ..	A.C., 1 ph. ..	250	68	3 and 4	12.11.36
Eildon Weir .. .. .	N/E.	Alexandra ..	A.C., 1 ph. ..	115	22	3 and 4	28.4.39
†Eldorado .. .. .	N/E.	Wangaratta ..	A.C., 3 ph. ..	204	35	3 and 4	1.4.39
Elliminyt .. .. .	S/W.	Colac ..	A.C., 1 ph. ..	(See Colac)		2 and 4	1.7.24
Ellinbank .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	68	35	3 and 4	9.9.36
Elphinstone .. .. .	Mid.	Castlemaine ..	A.C., 1 ph. ..	110	12	3 and 4	4.11.38
Eltham .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	830	318	3 and 4	12.8.26
Emerald .. .. .	E/M.	Belgrave ..	A.C., 1 ph. ..	365	160	3 and 4	7.8.34
Epping .. .. .	E/M.	Greensborough ..	A.C., 3 ph. and 1 ph.	193	82	3 and 4	15.7.36
Euroa .. .. .	N/E.	Euroa ..	A.C., 3 ph. ..	3,300	636	3 and 4	20.3.28
Eurobin .. .. .	N/E.	Myrtleford ..	A.C., 3 ph. ..	70	24	3 and 4	1.8.44
Everton .. .. .	N/E.	Myrtleford ..	A.C., 1 ph. ..	60	25	3 and 4	8.8.45
Exford .. .. .	Mid.	Bacchus Marsh	A.C., 1 ph. ..	(See Melton)		3 and 4	20.12.39
Ferny Creek .. .. .	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph.	192	44	3 and 4	2.9.27
Fish Creek .. .. .	Gipps.	Foster ..	A.C., 3 ph. and 1 ph.	370	126	3 and 4	9.7.38
Flinders .. .. .	E/M.	Mornington ..	A.C., 1 ph. ..	224	111	3 and 4	28.10.38
Flynn .. .. .	Gipps.	Traralgon ..	A.C., 1 ph. ..	200	49	3 and 4	5.9.38
Foster .. .. .	Gipps.	Foster ..	A.C., 3 ph. and 1 ph.	700	204	3 and 4	30.4.38
Frankston .. .. .	E/M.	Frankston ..	A.C., 3 ph. and 1 ph.	3,850	2,143	2 and 4	21.2.28
Freshwater Creek .. .. .	Geel.	Geelong ..	A.C., 1 ph. ..	50	12	3 and 4	30.4.41
Gainsborough .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	135	26	3 and 4	28.9.36
Gapsted .. .. .	N/E.	Myrtleford ..	A.C., 3 ph. ..	100	48	3 and 4	13.4.44
Garfield .. .. .	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	625	106	3 and 4	1.8.29
Garvoc .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	150	25	3 and 4	25.9.37
Geelengla .. .. .	S/W.	Camperdown ..	A.C., 1 ph.* ..	30	4	3 and 4	6.12.44
Geelong Rural .. .. .	Geel.	Geelong ..	A.C., 3 ph. and 1 ph.	100	16	3 and 4	10.10.38
Gelliondale .. .. .	Gipps.	Yarram ..	A.C., 1 ph. ..	100	8	3 and 4	23.1.47
Girgarre .. .. .	N/E.	Kyabram ..	A.C., 3 ph. ..	259	88	3 and 4	19.5.38
Gisborne .. .. .	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph.	1,324	153	3 and 4	1.10.28
Glen Alvie .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	250	36	3 and 4	23.12.40
Glen Forbes .. .. .	Gipps.	Korumburra ..	A.C., 3 ph. ..	305	27	3 and 4	11.3.43
Glengarry .. .. .	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph.	230	90	3 and 4	14.8.28
Glenormiston South .. .. .	S/W.	Terang ..	A.C., 3 ph. ..	100	19	3 and 4	10.9.29
Glenvale .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	74	18	3 and 4	12.4.40
Glen Waverley .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	331	94	3 and 4	1.6.28
Gnarwarre .. .. .	Geel.	Geelong ..	A.C., 1 ph. ..	150	6	3 and 4	10.12.45
Gnotuk .. .. .	S/W.	Camperdown ..	A.C., 1 ph. ..	120	17	3 and 4	1.3.36
Goorambat .. .. .	N/E.	Benalla ..	A.C., 3 ph. ..	73	41	3 and 4	19.2.40
Gordon .. .. .	Ball.	Ballarat ..	A.C., 1 ph. ..	300	39	3 and 4	29.5.40
Gormandale .. .. .	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph.	200	78	3 and 4	14.10.38
Grahamvale .. .. .	N/E.	Shepparton ..	A.C., 1 ph. ..	(See Shepparton East)		3 and 4	20.7.37
Grassy Spur .. .. .	Gipps.	Foster ..	A.C., 1 ph. ..	90	34	3 and 4	26.10.39
Greensborough .. .. .	E/M.	Greensborough ..	A.C., 3 ph. ..	1,014	300	3 and 4	23.3.26
Greenvale .. .. .	Metro.	Melbourne ..	A.C., 3 ph. ..	80	13	3 and 4	15.7.38



## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
<b>Country—continued.</b>							
Hallam .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	182	77	3 and 4	27.8.37
Hallora .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	53	16	3 and 4	12.12.44
Hamilton .. ..	S/W.	Hamilton ..	A.C., 3 ph. and 1 ph.* D.C., 2 wire ..	6,500	1,700	2 and 4	1.7.46
Hamilton Rural .. ..	S/W.	Hamilton ..	A.C., 3 ph. ..	200	3	3 and 4	1.7.46
Hampton Park .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	218	62	3 and 4	29.6.42
Harcourt .. ..	Mid.	Castlemaine ..	A.C., 3 ph. and 1 ph. ..	400	179	3 and 4	9.4.33
Harkaway .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	160	52	3 and 4	31.7.40
†Harrietville .. ..	N/E.	Myrtleford ..	A.C., 3 ph. ..	160	71	3 and 4	29.6.40
Harrisfield .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	350	60	2 and 4	22.10.35
Hastings .. ..	E/M.	Frankston ..	A.C., 3 ph. and 1 ph. ..	490	161	3 and 4	28.3.27
Hawkesdale .. ..	S/W.	Port Fairy ..	A.C., 1 ph.* ..	220	17	3 and 4	26.4.40
Hazelwood .. ..	Gipps.	Traralgon ..	A.C., 1 ph. ..	200	80	3 and 4	9.9.36
Hazelwood North .. ..	Gipps.	Traralgon ..	A.C., 1 ph. ..	150	62	3 and 4	21.12.37
Healesville .. ..	E/M.	Healesville ..	A.C., 3 ph. and 1 ph. ..	1,536	695	3 and 4	1.4.33
Heatherton (portion only)	Metro.	Melbourne ..	A.C., 3 ph. ..	31	5	3 and 4	10.12.40
Heathmont .. ..	E/M.	Ringwood ..	A.C., 1 ph. ..	148	52	5	25.3.37
Hedley .. ..	Gipps.	Yarram ..	A.C., 1 ph. ..	100	4	3 and 4	6.5.47
Hepburn Springs .. ..	Ball.	Daylesford ..	A.C., 3 ph. ..	625	276	3 and 4	1.10.40
Herne's Oak .. ..	Gipps.	Traralgon ..	A.C., 1 ph. ..	400	108	3 and 4	18.9.36
Hexham .. ..	S/W.	Terang ..	A.C., 1 ph.* ..	120	20	3 and 4	8.7.38
Heyfield .. ..	Gipps.	Maffra ..	A.C., 3 ph. and 1 ph. ..	850	221	3 and 4	15.9.24
Hillside .. ..	Gipps.	Bairnsdale ..	A.C., 1 ph. ..	50	25	3 and 4	29.5.36
Huntly .. ..	Bend.	Bendigo ..	A.C., 1 ph. ..	200	67	3 and 4	21.11.44
Illowa .. ..	S/W.	Port Fairy ..	A.C., 1 ph.* ..	100	11	3 and 4	30.9.37
Inglewood .. ..	Bend.	Inglewood ..	A.C., 3 ph. .. D.C., 2 wire ..	1,100	262	3 and 4	3.12.46
Inverloch .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	460	154	3 and 4	1.10.34
Iona .. ..	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	413	27	3 and 4	10.7.42
Irrewarra .. ..	S/W.	Colac ..	A.C., 1 ph.* ..	150	21	3 and 4	23.2.26
Jack River .. ..	Gipps.	Yarram ..	A.C., 1 ph. ..	150	47	3 and 4	31.7.46
Jancourt .. ..	S/W.	Camperdown ..	A.C., 1 ph. ..	50	4	3 and 4	25.5.39
Janefield .. ..	E/M.	Greensborough ..	A.C., 1 ph. ..	21	7	3 and 4	14.1.47
Jeetho .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	150	12	3 and 4	4.11.41
Jindivick .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	193	84	3 and 4	23.8.38
Johnsonville .. ..	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	120	35	3 and 4	24.1.36
Jordanville .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	28	8	3 and 4	7.10.38
Joyce's Creek .. ..	Mid.	Castlemaine ..	A.C., 3 ph. and 1 ph. ..	70	4	3 and 4	16.12.39
Jumbunna .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	360	44	3 and 4	24.10.30
Kalimna .. ..	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	140	16	3 and 4	6.12.28
Kalkallo .. ..	E/M.	Greensborough ..	A.C., 1 ph. ..	37	9	3 and 4	11.3.41
Kallista .. ..	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph. ..	325	169	3 and 4	19.8.27
Kalorama .. ..	E/M.	Belgrave ..	A.C., 1 ph. ..	240	111	3 and 4	31.5.34
Kangaroo Flat (portion only)	Bend.	Bendigo ..	A.C., 1 ph. ..	50	12	3 and 4	6.9.46
Kangaroo Ground .. ..	E/M.	Greensborough ..	A.C., 1 ph. ..	40	4	3 and 4	27.2.45
Kardella South .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	100	9	3 and 4	23.9.36
Kariah .. ..	S/W.	Camperdown ..	A.C., 1 ph.* ..	25	5	3 and 4	12.11.38
Katamatite .. ..	N/E.	Cobram ..	A.C., 1 ph. ..	240	53	3 and 4	14.7.39
Katandra .. ..	N/E.	Shepparton ..	A.C., 1 ph. ..	270	165	3 and 4	10.10.45
Katunga .. ..	N/E.	Numurkah ..	A.C., 3 ph. ..	20	12	3 and 4	10.12.41
Keilor .. ..	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph. ..	298	82	3 and 4	21.11.35
Kergunyah .. ..	N/E.	Wodonga ..	A.C., 1 ph. ..	88	50	3 and 4	15.6.45
Kerrisdale .. ..	N/E.	Alexandra ..	A.C., 1 ph. ..	(See Acheron)		3 and 4	5.3.46
Keysborough .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	190	56	3 and 4	21.8.41
Kialla East .. ..	N/E.	Shepparton ..	A.C., 1 ph. ..	35	14	3 and 4	5.4.46
Kiewa .. ..	N/E.	Wodonga ..	A.C., 3 ph. ..	140	150	3 and 4	12.4.39
Killarney .. ..	S/W.	Port Fairy ..	A.C., 1 ph.* ..	80	9	3 and 4	14.5.35
Kilmany South .. ..	Gipps.	Sale ..	A.C., 1 ph. ..	125	9	3 and 4	1.7.39
Kilsyth .. ..	E/M.	Ringwood ..	A.C., 1 ph. ..	181	71	5	1.4.25
Kingston .. ..	Ball.	Daylesford ..	A.C., 1 ph. ..	200	34	3 and 4	16.9.39
Kirkstall .. ..	S/W.	Port Fairy ..	A.C., 1 ph.* ..	80	5	3 and 4	9.4.40
Kolara .. ..	S/W.	Terang ..	A.C., 1 ph.* ..	70	13	3 and 4	21.3.25
Kongwak .. ..	Gipps.	Korumburra ..	A.C., 3 ph. and 1 ph. ..	320	90	3 and 4	10.10.30
Koonwarra .. ..	Gipps.	Leongatha ..	A.C., 1 ph. ..	100	22	3 and 4	24.9.40
Koo-wee-rup .. ..	Gipps.	Koo-wee-rup ..	A.C., 3 ph. and 1 ph. ..	918	246	3 and 4	1.8.35
Koo-wee-rup North .. ..	Gipps.	Koo-wee-rup ..	A.C., 3 ph. and 1 ph. ..	182	27	3 and 4	28.11.41
Koroit .. ..	S/W.	Port Fairy ..	A.C., 3 ph. ..	1,700	256	3 and 4	1.12.28
Korongah .. ..	S/W.	Port Fairy ..	A.C., 1 ph.* ..	30	4	3 and 4	4.5.38
Korrine .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	40	11	3 and 4	19.12.40
Korumburra .. ..	Gipps.	Korumburra ..	A.C., 3 ph. and 1 ph. ..	3,080	664	2 and 4	1.12.24
Korumburra Rural .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	100	34	3 and 4	1.11.35
Korumburra South .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	100	8	3 and 4	1.12.44
Kyabram .. ..	N/E.	Kyabram ..	A.C., 3 ph. ..	2,200	634	2 and 4	1.12.26
Kyabram Rural .. ..	N/E.	Kyabram ..	A.C., 1 ph. ..	500	130	3 and 4	6.10.28
Kyneton .. ..	Mid.	Kyneton ..	A.C., 3 ph. and 1 ph. ..	3,904	961	2 and 4	1.10.29
Ky Valley .. ..	N/E.	Kyabram ..	A.C., 3 ph. ..	200	109	3 and 4	27.7.40
Laanecoorie .. ..	Mid.	Maryborough ..	A.C., 3 ph. ..	35	9	3 and 4	21.2.46
Lake Bolac .. ..	S/W.	Terang ..	A.C., 1 ph. ..	190	55	3 and 4	5.8.38
Lake Gillies .. ..	S/W.	Warrnambool ..	A.C., 1 ph.* ..	50	3	3 and 4	8.7.38
Lakes Entrance .. ..	Gipps.	Lakes Entrance ..	A.C., 3 ph. and 1 ph. ..	1,050	238	3 and 4	19.12.28
Lancaster .. ..	N/E.	Kyabram ..	A.C., 1 ph. ..	118	26	3 and 4	1.6.35

## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
<b>Country—continued.</b>							
Lance Creek .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	85	8	3 and 4	12.4.46
Lancefield .. .. .	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph.	924	156	3 and 4	27.3.29
Lang Lang .. .. .	Gipps.	Koo-wee-rup ..	A.C., 3 ph. and 1 ph.	850	170	3 and 4	2.9.35
Lara .. .. .	Geel.	Geelong ..	A.C., 3 ph. and 1 ph.	300	73	5	1.9.30
Lara Lake .. .. .	Geel.	Geelong ..	A.C., 3 ph. and 1 ph.	(See Lara)	5	1.9.30	
Lardner .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	118	33	3 and 4	7.2.39
Larpent .. .. .	S/W.	Colac ..	A.C., 1 ph.* ..	10	1	3 and 4	20.12.44
Laverton .. .. .	Metro.	Werribee ..	A.C., 1 ph. ..	512	94	3 and 4	22.11.38
Learmonth .. .. .	Ball.	Ballarat ..	A.C., 3 ph. ..	400	67	3 and 4	19.3.38
Leigh Creek .. .. .	Ball.	Ballarat ..	A.C., 1 ph. ..	55	14	3 and 4	27.8.40
Lemnos .. .. .	N/E.	Shepparton ..	A.C., 1 ph. ..	420	40	3 and 4	1.12.38
Leneva .. .. .	N/E.	Wodonga ..	A.C., 1 ph. ..	(See Kiewa)	3 and 4	24.2.47	
Leongatha .. .. .	Gipps.	Leongatha ..	A.C., 3 ph. ..	2,000	674	2 and 4	15.2.24
Leongatha Rural .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	60	55	3 and 4	1.8.28
Leongatha South .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	150	49	3 and 4	24.9.40
Leopold .. .. .	Geel.	Queenscliff ..	A.C., 1 ph. ..	(See Drysdale)	3 and 4	13.2.24	
Lillico .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	150	36	3 and 4	20.4.45
Lilydale .. .. .	E/M.	Ringwood ..	A.C., 3 ph. and 1 ph.	1,412	519	3 and 4	1.4.25
Lindenow .. .. .	Gipps.	Bairnsdale ..	A.C., 3 ph. and 1 ph.	250	57	3 and 4	6.4.35
Lindenow South .. .. .	Gipps.	Bairnsdale ..	A.C., 3 ph. and 1 ph.	150	34	3 and 4	6.4.35
Linton .. .. .	Ball.	Ballarat ..	A.C., 3 ph. ..	460	81	3 and 4	7.9.39
Lismore .. .. .	S/W.	Camperdown ..	A.C., 1 ph. ..	400	123	3 and 4	26.4.38
Lismore Rural .. .. .	S/W.	Camperdown ..	A.C., 1 ph. ..	750	189	3 and 4	26.4.38
Loch .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	560	159	3 and 4	18.8.30
Lockwood .. .. .	E/M.	Belgrave ..	A.C., 1 ph. ..	192	97	3 and 4	23.12.36
Longford .. .. .	Gipps.	Sale ..	A.C., 3 ph. ..	50	3	3 and 4	8.3.35
Longwarry .. .. .	Gipps.	Koo-wee-rup ..	A.C., 3 ph. and 1 ph.	500	140	3 and 4	11.10.28
Lorne .. .. .	S/W.	Lorne ..	A.C., 3 ph. and 1 ph.	990	428	3 and 4	15.12.36
Lovely Banks .. .. .	Geel.	Geelong ..	A.C., 3 ph. and 1 ph.	100	7	3 and 4	17.5.41
Lower Ferntree Gully .. .. .	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph.	1,045	429	2 and 4	24.8.25
Lower Plenty .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	190	107	3 and 4	13.3.28
Lucknow .. .. .	Gipps.	Bairnsdale ..	A.C., 3 ph. ..	150	77	2 and 4	1.8.27
Lyndhurst .. .. .	E/M.	Dandenong ..	A.C., 3 ph. ..	92	22	3 and 4	19.1.38
Lysterfield .. .. .	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph.	163	43	3 and 4	17.7.37
Macarthur .. .. .	S/W.	Port Fairy ..	A.C., 1 ph. ..	350	89	3 and 4	3.4.40
Macarthur Rural .. .. .	S/W.	Port Fairy ..	A.C., 1 ph. ..	600	209	3 and 4	3.4.40
Macedon .. .. .	Mid.	Kyneton ..	A.C., 3 ph. and 1 ph.	1,772	311	3 and 4	14.6.29
Maffra .. .. .	Gipps.	Maffra ..	A.C., 3 ph. ..	2,900	691	2 and 4	1.9.24
Maffra Rural .. .. .	Gipps.	Maffra ..	A.C., 3 ph. and 1 ph.	310	49	3 and 4	14.8.28
Maiden Gully .. .. .	Bend.	Bendigo ..	A.C., 1 ph. ..	40	21	3 and 4	18.4.47
Majorca .. .. .	Mid.	Maryborough ..	A.C., 1 ph. ..	50	2	3 and 4	11.4.45
Maldon .. .. .	Mid.	Castlemaine ..	A.C., 3 ph. and 1 ph.	1,500	258	3 and 4	1.7.36
Malmsbury .. .. .	Mid.	Kyneton ..	A.C., 3 ph. ..	360	69	3 and 4	22.12.37
Mandurang .. .. .	Bend.	Bendigo ..	A.C., 1 ph. ..	100	20	3 and 4	23.5.45
Mannerim .. .. .	Geel.	Queenscliff ..	A.C., 1 ph. ..	20	2	3 and 4	21.9.46
Mansfield .. .. .	N/E.	Alexandra ..	A.C., 3 ph. ..	836	328	3 and 4	1.6.28
Marcus .. .. .	Geel.	Queenscliff ..	A.C., 1 ph. ..	20	4	3 and 4	10.8.36
Mardan .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	150	35	3 and 4	31.7.36
Markwood .. .. .	N/E.	Wangaratta ..	A.C., 3 ph. ..	48	26	3 and 4	26.7.48
Marshall .. .. .	Geel.	Geelong ..	A.C., 1 ph. ..	90	28	3 and 4	6.10.39
Maryborough .. .. .	Mid.	Maryborough ..	A.C., 3 ph. ..	6,633	1,685	2 and 4	1.10.37
Maryvale .. .. .	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph.	140	24	3 and 4	6.8.37
McCrae .. .. .	E/M.	Sorrento ..	A.C., 3 ph. ..	211	161	3 and 4	22.12.27
Meenyan .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	300	125	3 and 4	14.9.36
Melton .. .. .	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph.	320	130	3 and 4	20.12.39
Melton South .. .. .	Mid.	Bacchus Marsh	A.C., 1 ph. ..	(See Melton)	3 and 4	31.1.40	
Mernda .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	220	33	3 and 4	28.9.37
Merricks North .. .. .	E/M.	Mornington ..	A.C., 1 ph. ..	42	24	3 and 4	24.5.40
Merrigum .. .. .	N/E.	Kyabram ..	A.C., 3 ph. ..	350	151	3 and 4	22.2.27
Metropolitan Farm (Werribee) .. .. .	Metro.	Werribee ..	A.C., 3 ph. ..	313	42	3 and 4	15.12.33
Metung .. .. .	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	240	49	3 and 4	23.12.35
Mickleham .. .. .	Metro.	Melbourne ..	A.C., 3 ph. and 1 ph.	58	9	3 and 4	12.6.39
Milawa .. .. .	N/E.	Wangaratta ..	A.C., 3 ph. ..	100	46	3 and 4	27.7.39
Miner's Rest .. .. .	Ball.	Ballarat ..	A.C., 3 ph. ..	70	32	3 and 4	14.2.38
Mirboo .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	70	43	3 and 4	7.8.39
Mirboo East .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	70	15	3 and 4	1.8.40
Mirboo North .. .. .	Gipps.	Leongatha ..	A.C., 3 ph. and 1 ph.	700	217	3 and 4	1.10.24
Moe .. .. .	Gipps.	Trafalgar ..	A.C., 3 ph. ..	2,188	536	3 and 4	23.9.23
Moe Rural .. .. .	Gipps.	Trafalgar ..	A.C., 1 ph. ..	204	37	3 and 4	14.7.30
Molesworth .. .. .	N/E.	Alexandra ..	A.C., 1 ph. ..	(See Yea)	3 and 4	5.3.46	
Monbulk .. .. .	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph.	372	165	3 and 4	30.11.36
Monegeetta .. .. .	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph.	66	18	3 and 4	3.5.29
Monomeith .. .. .	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	75	26	3 and 4	17.1.36
Montmorency .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	490	209	3 and 4	11.5.26
Montrose .. .. .	E/M.	Ringwood ..	A.C., 3 ph. and 1 ph.	368	172	5	1.4.25
Moolap .. .. .	Geel.	Queenscliff ..	A.C., 1 ph. ..	(See Drysdale)	3 and 4	30.1.25	
Moolort .. .. .	Mid.	Maryborough ..	A.C., 1 ph. ..	45	5	3 and 4	14.2.38
Moorooduc .. .. .	E/M.	Frankston ..	A.C., 3 ph. and 1 ph.	195	68	3 and 4	2.3.25
Mooroolbark .. .. .	E/M.	Ringwood ..	A.C., 1 ph. ..	76	23	3 and 4	16.9.36
Mooroopna .. .. .	N/E.	Shepparton ..	A.C., 3 ph. ..	1,750	340	3 and 4	1.10.26
Morang South .. .. .	E/M.	Greensborough ..	A.C., 3 ph. and 1 ph.	250	53	3 and 4	28.9.37
Mornington .. .. .	E/M.	Mornington ..	A.C., 3 ph. and 1 ph.	2,650	907	2 and 4	1.8.30

## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
<b>Country—continued.</b>							
Mortlake .. .. .	S/W.	Terang ..	A.C., 3 ph. ..	950	296	3 and 4	16.5.24
Morwell .. .. .	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph.	3,500	775	2 and 4	1.4.26
Morwell Bridge .. .. .	Gipps.	Traralgon ..	A.C., 1 ph. ..	340	90	3 and 4	26.11.28
Mossiface .. .. .	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	100	15	3 and 4	1.10.30
Mountain View .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	120	16	3 and 4	14.6.40
Moyarra .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	100	35	3 and 4	26.6.30
Moyne View .. .. .	S/W.	Port Fairy ..	A.C., 1 ph.* ..	30	5	3 and 4	27.5.37
Mt. Dandenong .. .. .	E/M.	Belgrave ..	A.C., 1 ph. ..	150	145	3 and 4	20.6.33
Mt. Duneed .. .. .	Geel.	Queenscliff ..	A.C., 1 ph. ..	100	16	3 and 4	5.10.39
Mt. Eliza .. .. .	E/M.	Frankston ..	A.C., 3 ph. and 1 ph.	384	240	2 and 4	21.2.28
Mt. Evelyn .. .. .	E/M.	Ringwood ..	A.C., 1 ph. ..	650	246	3 and 4	9.1.28
Mt. Martha .. .. .	E/M.	Mornington ..	A.C., 3 ph. and 1 ph.	494	183	3 and 4	1.8.30
Mt. Rowan .. .. .	Ball.	Ballarat ..	A.C., 1 ph. ..	25	9	3 and 4	27.2.47
Mt. Waverley .. .. .	{ Metro. and E/M.	Melbourne } Dandenong }	A.C., 3 ph. and 1 ph.	182	69	3 and 4	1.6.28
Muckleford .. .. .	Mid.	Castlemaine ..	A.C., 1 ph. ..	105	4	3 and 4	18.1.45
Mumblin .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	20	4	3 and 4	24.9.45
Murchison .. .. .	N/E.	Shepparton ..	A.C., 3 ph. ..	620	195	3 and 4	30.11.45
Myer's Flat .. .. .	Bend.	Bendigo ..	A.C., 1 ph. ..	30	11	3 and 4	29.6.40
Myrniong .. .. .	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph.	104	53	3 and 4	27.5.46
Myrtlebank .. .. .	Gipps.	Sale ..	A.C., 1 ph. ..	150	55	3 and 4	3.3.38
Myrtleford .. .. .	N/E.	Myrtleford ..	A.C., 3 ph. ..	900	379	3 and 4	1.12.40
Nalangil .. .. .	S/W.	Colac ..	A.C., 1 ph.* ..	50	6	3 and 4	19.12.24
Nanneella .. .. .	N/E.	Rocheater ..	A.C., 1 ph. ..	519	173	3 and 4	17.10.38
Naringal .. .. .	S/W.	Warrnambool ..	A.C., 1 ph. ..	20	10	3 and 4	17.7.44
Narioka .. .. .	N/E.	Numurkah ..	A.C., 3 ph. ..	(See Barwon)		3 and 4	7.10.46
Nar-Nar-Goon .. .. .	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	460	110	3 and 4	23.5.34
Narracan East .. .. .	Gipps.	Trafalgar ..	A.C., 1 ph. ..	60	26	3 and 4	23.7.40
Narre Warren .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	270	80	3 and 4	13.11.28
Narre Warren North .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	300	99	3 and 4	10.11.38
Nathalia .. .. .	N/E.	Numurkah ..	A.C., 3 ph. ..	1,050	255	3 and 4	1.10.31
Nayook .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	83	20	3 and 4	15.1.35
Neerim .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	190	41	3 and 4	15.1.35
Neerim East .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	105	62	3 and 4	21.12.36
Neerim Junction .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	155	42	3 and 4	3.5.35
Neerim North .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	65	31	3 and 4	11.4.38
Neerim South .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	520	210	3 and 4	15.1.35
Newborough .. .. .	Gipps.	Trafalgar ..	A.C., 1 ph. ..	408	70	3 and 4	24.6.38
Newbridge .. .. .	Bend.	Inglewood ..	A.C., 3 ph. ..	203	8	3 and 4	23.12.46
New Gisborne .. .. .	Mid.	Bacchus Marsh	A.C., 1 ph. ..	215	32	3 and 4	1.3.29
Newlyn .. .. .	Ball.	Daylesford ..	A.C., 3 ph. and 1 ph.	100	21	3 and 4	14.7.44
Newlyn North .. .. .	Ball.	Daylesford ..	A.C., 1 ph. ..	90	12	3 and 4	22.5.47
Newry .. .. .	Gipps.	Maffra ..	A.C., 3 ph. and 1 ph.	380	90	3 and 4	25.10.26
Newstead .. .. .	Mid.	Castlemaine ..	A.C., 3 ph. and 1 ph.	350	107	3 and 4	20.4.37
Nicholson .. .. .	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	70	3	3 and 4	12.12.34
Nilma .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	184	89	3 and 4	23.12.27
Nilma Rural .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	205	71	3 and 4	20.4.45
Noble Park .. .. .	E/M.	Dandenong ..	A.C., 3 ph. and 1 ph.	1,922	411	2 and 4	5.12.24
Noojee .. .. .	Gipps.	Warragul ..	A.C., 1 ph. ..	216	78	3 and 4	15.1.35
Noorat .. .. .	S/W.	Terang ..	A.C., 3 ph. and 1 ph.	320	101	3 and 4	5.12.24
North Wonthaggi (portion only)	Gipps.	Korumburra ..	A.C., 1 ph. ..	40	7	3 and 4	17.2.41
Notting Hill .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	225	53	3 and 4	21.7.27
Numurkah .. .. .	N/E.	Numurkah ..	A.C., 3 ph. ..	1,611	460	3 and 4	1.10.31
Nyora .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	320	60	3 and 4	1.10.35
Oaklands Junction .. .. .	Metro.	Melbourne ..	A.C., 1 ph. ..	90	7	3 and 4	10.12.35
Ocean Grove .. .. .	Geel.	Queenscliff ..	A.C., 1 ph. ..	450	215	3 and 4	27.9.24
Officer .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	370	113	3 and 4	12.4.28
Olinda .. .. .	E/M.	Belgrave ..	A.C., 1 ph. ..	512	234	3 and 4	30.9.27
Ondit .. .. .	S/W.	Colac ..	A.C., 1 ph.* ..	15	3	3 and 4	23.5.44
Orrvale .. .. .	N/E.	Shepparton ..	A.C., 1 ph. ..	(See Shepparton East)		3 and 4	20.2.36
Outtrim .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	250	26	3 and 4	13.11.39
Ovens .. .. .	N/E.	Myrtleford ..	A.C., 3 ph. ..	72	52	3 and 4	20.11.44
Pakenham .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	597	219	3 and 4	18.6.28
Panmure .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	200	26	3 and 4	3.9.37
Parwan .. .. .	Mid.	Bacchus Marsh	A.C., 3 ph. and 1 ph.	48	14	3 and 4	10.1.46
Paynesville .. .. .	Gipps.	Bairnsdale ..	A.C., 3 ph. and 1 ph.	350	86	3 and 4	25.2.38
Penshurst .. .. .	S/W.	Terang ..	A.C., 1 ph. ..	800	177	3 and 4	16.9.38
Penshurst Rural .. .. .	S/W.	Terang ..	A.C., 1 ph. ..	500	132	3 and 4	16.9.38
Picola .. .. .	N/E.	Numurkah ..	A.C., 3 ph. ..	180	26	3 and 4	1.11.40
Pirron Yallock .. .. .	S/W.	Colac ..	A.C., 1 ph.* ..	50	9	3 and 4	21.12.36
Plenty .. .. .	E/M.	Greensborough	A.C., 1 ph. ..	260	61	3 and 4	28.11.45
Point Cook (portion only)	Metro.	Werribee ..	A.C., 3 ph. and 1 ph.	32	4	3 and 4	1.7.40
Point Lonsdale .. .. .	Geel.	Queenscliff ..	A.C., 3 ph. and 1 ph.	330	208	3 and 4	30.12.23
Pomborneit North .. .. .	S/W.	Camperdown ..	A.C., 1 ph. ..	100	32	3 and 4	1.9.26
Pomborneit South .. .. .	S/W.	Camperdown ..	A.C., 1 ph.* ..	90	12	3 and 4	1.9.26
Poowong .. .. .	Gipps.	Korumburra ..	A.C., 3 ph. and 1 ph.	460	134	3 and 4	11.9.30
Poowong East .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	180	43	3 and 4	17.10.38
Poowong North .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	120	6	3 and 4	2.5.45

## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
<b>Country—continued.</b>							
Port Albert .. .. .	Gipps.	Yarram ..	A.C., 3 ph. and 1 ph.	200	59	3 and 4	29.11.46
Portarlington .. .. .	Geel.	Queenscliff ..	A.C., 1 ph. ..	900	241	3 and 4	27.2.24
Port Fairy .. .. .	S/W.	Port Fairy ..	A.C., 3 ph. ..	1,850	537	3 and 4	21.12.28
Port Fairy Rural .. .. .	S/W.	Port Fairy ..	A.C., 1 ph. ..	800	232	3 and 4	10.11.30
Port Franklin .. .. .	Gipps.	Foster ..	A.C., 1 ph. ..	150	35	3 and 4	23.7.38
Portsea .. .. .	E/M.	Sorrento ..	A.C., 3 ph. ..	200	173	2 and 4	1.10.27
Port Welshpool .. .. .	Gipps.	Foster ..	A.C., 3 ph. and 1 ph.	160	50	3 and 4	31.3.47
Powlett River (portion only) ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	60	11	3 and 4	17.1.41
Queenscliff .. .. .	Geel.	Queenscliff ..	A.C., 3 ph. ..	3,100	633	2 and 4	30.12.23
Ranceby .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	60	8	3 and 4	23.6.41
Raywood .. .. .	Bend.	Inglewood ..	A.C., 3 ph. and 1 ph.	300	53	3 and 4	3.7.40
Rodesdale Junction .. .. .	Mid.	Kyneton ..	A.C., 1 ph. ..	72	8	3 and 4	27.3.47
Red Hill .. .. .	E/M.	Mornington ..	A.C., 3 ph. and 1 ph.	496	109	3 and 4	30.6.37
Research .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	157	40	3 and 4	24.5.40
Rickett's Marsh .. .. .	S/W.	Colac ..	A.C., 1 ph.* ..	30	12	3 and 4	28.8.44
Riddell .. .. .	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph.	396	82	3 and 4	7.3.29
Ringwood .. .. .	E/M.	Ringwood ..	A.C., 3 ph. and 1 ph.	4,338	1,265	5	1.4.25
Rochester .. .. .	N/E.	Rochester ..	A.C., 3 ph. ..	1,830	438	3 and 4	1.8.35
Rockbank .. .. .	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph.	104	26	3 and 4	3.4.39
Rokeby .. .. .	Gipps.	Warragul ..	A.C., 3 ph. and 1 ph.	50	8	3 and 4	4.4.35
Romsey .. .. .	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph.	954	156	3 and 4	19.3.29
Rosebrook .. .. .	S/W.	Port Fairy ..	A.C., 1 ph.* ..	150	9	3 and 4	30.9.36
Rosebud .. .. .	E/M.	Sorrento ..	A.C., 3 ph. and 1 ph.	945	707	3 and 4	8.12.27
Rosedale .. .. .	Gipps.	Traralgon ..	A.C., 1 ph. ..	500	101	3 and 4	15.8.27
Rowsley .. .. .	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph.	50	9	3 and 4	28.3.47
Rowville .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	62	20	3 and 4	5.7.45
Rubicon .. .. .	N/E.	Alexandra ..	A.C., 1 ph. ..	62	3	3 and 4	4.9.27
Ruby .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	70	39	3 and 4	19.4.28
Rutherglen .. .. .	N/E.	Rutherglen ..	A.C., 3 ph. ..	1,500	443	3 and 4	15.10.26
Ryanston .. .. .	Gipps.	Korumburra ..	A.C., 1 ph. ..	150	13	3 and 4	14.1.41
Rye .. .. .	E/M.	Sorrento ..	A.C., 3 ph. ..	366	207	3 and 4	16.12.27
Sale .. .. .	Gipps.	Sale ..	A.C., 3 ph. ..	6,000	1,335	2 and 4	1.7.24
Sale Rural .. .. .	Gipps.	Sale ..	A.C., 1 ph. ..	320	143	3 and 4	12.12.28
Sassafras .. .. .	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph.	340	253	3 and 4	9.7.27
Scarsdale .. .. .	Ball.	Ballarat ..	A.C., 1 ph. ..	230	9	3 and 4	5.9.39
Scoresby .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	139	40	3 and 4	23.9.37
Scotsburn .. .. .	Ball.	Ballarat ..	A.C., 1 ph. ..	75	34	3 and 4	3.11.44
Seaford .. .. .	E/M.	Frankston ..	A.C., 3 ph. and 1 ph.	910	398	2 and 4	21.2.28
Selby .. .. .	E/M.	Belgrave ..	A.C., 1 ph. ..	99	56	3 and 4	12.12.35
Seymour .. .. .	N/E.	Seymour ..	A.C., 3 ph. ..	3,000	821	2 and 4	2.10.44
Seymour Rural .. .. .	N/E.	Seymour ..	A.C., 1 ph. ..	120	44	3 and 4	2.10.44
Shepparton .. .. .	N/E.	Shepparton ..	A.C., 3 ph. ..	8,000	2,158	2 and 4	1.1.25
Shepparton East .. .. .	N/E.	Shepparton ..	A.C., 3 ph. and 1 ph.	1,263	311	3 and 4	25.2.36
Shepparton Rural .. .. .	N/E.	Shepparton ..	A.C., 1 ph. ..	90	44	3 and 4	17.8.39
Sherbrooke .. .. .	E/M.	Belgrave ..	A.C., 1 ph. ..	184	52	3 and 4	29.7.27
Shoreham .. .. .	E/M.	Mornington ..	A.C., 1 ph. ..	30	10	3 and 4	24.5.40
Silvan .. .. .	E/M.	Ringwood ..	A.C., 3 ph. and 1 ph.	295	67	3 and 4	13.6.28
Skipton .. .. .	Ball.	Ballarat ..	A.C., 3 ph. and 1 ph.	625	121	3 and 4	27.10.39
Smeaton .. .. .	Ball.	Daylesford ..	A.C., 3 ph. and 1 ph.	175	41	3 and 4	16.4.38
Smythesdale .. .. .	Ball.	Ballarat ..	A.C., 1 ph. ..	280	19	3 and 4	2.9.39
Somers .. .. .	E/M.	Mornington ..	A.C., 1 ph. ..	215	74	3 and 4	24.12.35
Somerton .. .. .	Metro.	Melbourne ..	A.C., 3 ph. ..	132	22	3 and 4	22.7.38
Somerville .. .. .	E/M.	Frankston ..	A.C., 3 ph. and 1 ph.	355	98	3 and 4	19.12.26
Sorrento .. .. .	E/M.	Sorrento ..	A.C., 3 ph. and 1 ph.	604	540	2 and 4	1.10.27
South Belgrave .. .. .	E/M.	Belgrave ..	A.C., 1 ph. ..	212	34	3 and 4	17.2.37
South Ecklin .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	20	4	3 and 4	24.9.45
South Gisborne .. .. .	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph.	(See Gisborne)	3	3 and 4	1.5.37
South Purrumbete .. .. .	S/W.	Camperdown ..	A.C., 1 ph. ..	200	5	3 and 4	25.5.39
Southern Cross .. .. .	S/W.	Port Fairy ..	A.C., 1 ph.* ..	20	6	3 and 4	31.8.38
Springbank .. .. .	Ball.	Ballarat ..	A.C., 1 ph. ..	50	3	3 and 4	7.2.45
Springhurst .. .. .	N/E.	Rutherglen ..	A.C., 3 ph. ..	229	54	3 and 4	6.9.26
Springvale .. .. .	E/M.	Dandenong ..	A.C., 3 ph. and 1 ph.	2,920	865	2 and 4	5.12.24
St. Albans .. .. .	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph.	810	154	3 and 4	14.2.30
St. James .. .. .	N/E.	Yarrawonga ..	A.C., 3 ph. ..	260	48	3 and 4	14.2.40
Stanhope .. .. .	N/E.	Kyabram ..	A.C., 3 ph. ..	410	232	3 and 4	14.6.38
Stavely .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	20	2	3 and 4	8.11.40
Stoneyford .. .. .	S/W.	Camperdown ..	A.C., 1 ph.* ..	100	10	3 and 4	20.12.37
Stony Creek .. .. .	Gipps.	Leongatha ..	A.C., 1 ph. ..	70	37	3 and 4	14.9.36
Stratford .. .. .	Gipps.	Maffra ..	A.C., 3 ph. and 1 ph.	1,000	199	3 and 4	20.12.26
Strathallan .. .. .	N/E.	Echuca ..	A.C., 1 ph. ..	30	20	3 and 4	5.11.35
Strathfieldsaye .. .. .	Bend.	Bendigo ..	A.C., 1 ph. ..	256	49	3 and 4	13.3.45
Strathmerton .. .. .	N/E.	Cobram ..	A.C., 1 ph. ..	170	32	3 and 4	19.2.35
Streatham .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	150	34	3 and 4	28.9.39
Sunbury .. .. .	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph.	1,519	262	3 and 4	1.5.26
Swan Marsh .. .. .	S/W.	Colac ..	A.C., 1 ph.* ..	100	19	3 and 4	4.6.37
Swan Reach .. .. .	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	150	39	3 and 4	11.7.30
Sydenham .. .. .	Mid.	Bacchus Marsh ..	A.C., 3 ph. and 1 ph.	84	35	3 and 4	14.10.38

## CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
<b>Country—continued.</b>							
Talbot .. ..	Mid.	Maryborough ..	A.C., 1 ph. ..	390	99	3 and 4	27.8.38
Tallangatta .. ..	N/E.	Wodonga ..	A.C., 3 ph. ..	850	244	3 and 4	1.11.40
Tallygaroopna .. ..	N/E.	Shepparton ..	A.C., 3 ph. ..	230	53	3 and 4	22.10.33
Tally Ho .. ..	E/M.	Dandenong ..	A.C., 3 ph. ..	176	59	3 and 4	9.3.28
Tambo Upper .. ..	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	100	19	3 and 4	24.12.37
Tandara .. ..	Bend.	Inglewood ..	A.C., 1 ph. ..	100	19	3 and 4	9.11.44
Tandarook .. ..	S/W.	Camperdown ..	A.C., 1 ph. ..	50	4	3 and 4	25.5.39
Tangambalanga .. ..	N/E.	Wodonga ..	A.C., 3 ph. ..	150	50	3 and 4	12.4.39
Tanjil South .. ..	Gipps.	Trafalgar ..	A.C., 1 ph. ..	98	37	3 and 4	27.5.37
Tarago .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	53	15	3 and 4	23.8.38
Tarneit .. ..	Metro.	Werribee ..	A.C., 3 ph. ..	96	24	3 and 4	12.12.46
Tarra Valley .. ..	Gipps.	Yarram ..	A.C., 1 ph. ..	130	11	3 and 4	31.7.46
Tatura .. ..	N/E.	Shepparton ..	A.C., 3 ph. ..	1,550	392	3 and 4	1.11.26
Tawanga .. ..	N/E.	Myrtleford ..	A.C., 3 ph. ..	50	60	3 and 4	15.5.46
Tecoma .. ..	E/M.	Belgrave ..	A.C., 3 ph. ..	(See Belgrave)	2 and 4	3 and 4	3.9.28
Terang .. ..	S/W.	Terang ..	A.C., 3 ph. and 1 ph. ..	2,350	673	2 and 4	4.3.24
Terang Rural .. ..	S/W.	Terang ..	A.C., 3 ph. and 1 ph. ..	1,500	585	3 and 4	9.1.36
Tesbury .. ..	S/W.	Camperdown ..	A.C., 1 ph.* ..	200	4	3 and 4	15.5.39
Tetoor Road .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	114	44	3 and 4	27.5.41
The Basin .. ..	E/M.	Ringwood ..	A.C., 3 ph. and 1 ph. ..	360	118	3 and 4	13.9.39
Thomastown .. ..	E/M.	Greensborough ..	A.C., 3 ph. ..	177	55	3 and 4	1.6.28
Thornton .. ..	N/E.	Alexandra ..	A.C., 1 ph. ..	170	69	3 and 4	19.7.27
Thorpdale .. ..	Gipps.	Trafalgar ..	A.C., 1 ph. ..	180	67	3 and 4	23.12.37
Tinamba .. ..	Gipps.	Maffra ..	A.C., 1 ph. ..	350	156	3 and 4	11.7.28
Tongala .. ..	N/E.	Echuca ..	A.C., 3 ph. ..	478	336	3 and 4	12.9.26
Toolamba West .. ..	N/E.	Shepparton ..	A.C., 3 ph. and 1 ph. ..	180	90	3 and 4	1.12.39
Toongabbie .. ..	Gipps.	Traralgon ..	A.C., 1 ph. ..	200	45	3 and 4	11.3.29
Toora .. ..	Gipps.	Foster ..	A.C., 3 ph. and 1 ph. ..	476	183	3 and 4	10.5.38
Tooradin .. ..	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	350	68	3 and 4	14.1.37
Toorloo Arm .. ..	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	75	12	3 and 4	13.2.40
Top Creek .. ..	N/E.	Rochester ..	A.C., 1 ph. ..	(See Nanneella)	3 and 4	3 and 4	25.7.46
Torquay .. ..	Geel.	Queenscliff ..	A.C., 3 ph. and 1 ph. ..	500	246	3 and 4	1.9.30
Torwood .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	50	18	3 and 4	22.1.40
Tourello .. ..	Ball.	Ballarat ..	A.C., 1 ph. ..	25	9	3 and 4	10.8.38
Tower Hill .. ..	S/W.	Port Fairy ..	A.C., 1 ph.* ..	40	6	3 and 4	30.6.35
Trafalgar .. ..	Gipps.	Trafalgar ..	A.C., 3 ph. ..	1,357	380	3 and 4	16.10.23
Trafalgar Rural .. ..	Gipps.	Trafalgar ..	A.C., 1 ph. ..	380	163	3 and 4	3.4.28
Traralgon .. ..	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph. ..	4,900	1,168	2 and 4	24.11.23
Traralgon Rural .. ..	Gipps.	Traralgon ..	A.C., 1 ph. ..	200	28	3 and 4	27.11.28
Traralgon South .. ..	Gipps.	Traralgon ..	A.C., 1 ph. ..	170	30	3 and 4	12.8.37
Trawool .. ..	N/E.	Seymour ..	A.C., 1 ph. ..	(See Seymour Rural)	3 and 4	3 and 4	5.4.45
Tremont .. ..	E/M.	Belgrave ..	A.C., 1 ph. ..	457	122	3 and 4	2.9.27
Trentham .. ..	Mid.	Kyneton ..	A.C., 3 ph. ..	744	201	3 and 4	8.5.39
Triholm .. ..	Gipps.	Korumburra ..	A.C., 1 ph. ..	40	3	3 and 4	17.10.38
Tullamarine .. ..	Metro.	Melbourne ..	A.C., 3 ph. ..	216	51	3 and 4	18.3.39
Tungamah .. ..	N/E.	Yarrowonga ..	A.C., 3 ph. ..	310	82	3 and 4	14.2.40
Tyabb .. ..	E/M.	Frankston ..	A.C., 3 ph. ..	260	50	3 and 4	20.1.28
Tyers .. ..	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph. ..	260	77	3 and 4	15.10.23
Tylden .. ..	Mid.	Kyneton ..	A.C., 1 ph. ..	152	31	3 and 4	6.7.39
Tynong .. ..	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	280	80	3 and 4	14.1.29
Upper Beaconsfield .. ..	E/M.	Dandenong ..	A.C., 1 ph. ..	145	74	3 and 4	1.8.34
Upper Ferntree Gully .. ..	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph. ..	918	336	2 and 4	24.8.25
Upper Maffra West .. ..	Gipps.	Maffra ..	A.C., 1 ph. ..	250	52	3 and 4	6.10.37
Upwey .. ..	E/M.	Belgrave ..	A.C., 3 ph. and 1 ph. ..	1,188	605	2 and 4	24.8.25
Valencia Creek .. ..	Gipps.	Maffra ..	A.C., 1 ph. ..	100	19	3 and 4	11.6.38
Vervale .. ..	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	115	7	3 and 4	10.7.42
Violet Town .. ..	N/E.	Benalla ..	A.C., 3 ph. ..	680	147	3 and 4	1.3.36
Waaia .. ..	N/E.	Numurkah ..	A.C., 3 ph. ..	50	17	3 and 4	5.11.40
Wahgunyah .. ..	N/E.	Rutherglen ..	A.C., 3 ph. ..	560	113	3 and 4	1.2.26
Wallace .. ..	Ball.	Ballarat ..	A.C., 3 ph. ..	100	25	3 and 4	17.5.40
Walpa .. ..	Gipps.	Bairnsdale ..	A.C., 1 ph. ..	50	21	3 and 4	16.5.35
Wangaratta .. ..	N/E.	Wangaratta ..	A.C., 3 ph. ..	6,000	1,646	2 and 4	12.3.27
Wangaratta North .. ..	N/E.	Wangaratta ..	A.C., 3 ph. ..	26	13	3 and 4	20.5.36
Wangaratta South .. ..	N/E.	Wangaratta ..	A.C., 3 ph. ..	60	30	3 and 4	3.5.38
Wangoom .. ..	S/W.	Warrnambool ..	A.C., 1 ph.* ..	20	3	3 and 4	9.5.39
Wantirna .. ..	E/M.	Ringwood ..	A.C., 3 ph. and 1 ph. ..	250	92	3 and 4	1.2.28
Warburton .. ..	E/M.	Healesville ..	A.C., 3 ph. ..	900	348	3 and 4	1.7.44
Warcourt .. ..	S/W.	Colac ..	A.C., 1 ph. ..	30	7	3 and 4	19.12.25
Warragul .. ..	Gipps.	Warragul ..	A.C., 3 ph. and 1 ph. ..	3,492	1,000	2 and 4	1.12.30
Warragul Rural .. ..	Gipps.	Warragul ..	A.C., 1 ph. ..	344	139	3 and 4	19.6.28
Warrandyte .. ..	E/M.	Ringwood ..	A.C., 1 ph. ..	445	227	3 and 4	21.12.35
Warrion .. ..	S/W.	Colac ..	A.C., 1 ph. ..	80	18	3 and 4	18.8.24
Warrnambool .. ..	S/W.	Warrnambool ..	A.C., 3 ph. and 1 ph. ..	10,000	2,690	2 and 4	30.12.23
Warrnambool Rural .. ..	S/W.	Warrnambool ..	A.C., 3 ph. and 1 ph. ..	900	325	3 and 4	9.1.36
Warrong .. ..	S/W.	Port Fairy ..	A.C., 1 ph.* ..	20	3	3 and 4	20.4.40
Watsonia .. ..	E/M.	Greensborough ..	A.C., 3 ph. ..	124	53	3 and 4	24.3.26
Waubra .. ..	Ball.	Ballarat ..	A.C., 1 ph. ..	200	25	3 and 4	18.12.40
Waur Ponds .. ..	Geel.	Geelong ..	A.C., 1 ph. ..	100	14	3 and 4	26.11.45



CENTRES SERVED BY STATE ELECTRICITY COMMISSION OF VICTORIA—continued.

Municipality or Centre.	Branch.	Location of Officer-in-Charge (District Office).	System of Supply.	Population.	Number of Consumers.	Tariffs as per Appendix No. 7 Columns No.	Date Supply First Undertaken by Commission.
<b>Country—continued.</b>							
Weerangourt .. .. .	S/W.	Port Fairy ..	A.C., 1 ph.* ..	15	2	3 and 4	29.9.45
Weerite .. .. .	S/W.	Camperdown ..	A.C., 3 ph. ..	30	11	3 and 4	8.6.28
Wellsford .. .. .	Bend.	Bendigo ..	A.C., 3 ph. and 1 ph.	20	2	3 and 4	25.1.43
Welshpool .. .. .	Gipps.	Foster ..	A.C., 3 ph. and 1 ph.	330	89	3 and 4	13.8.38
Werribee .. .. .	Metro.	Werribee ..	A.C., 3 ph. and 1 ph.	3,244	850	2 and 4	10.4.24
Werribee South .. .. .	Metro.	Werribee ..	A.C., 3 ph. and 1 ph.	714	160	3 and 4	24.11.36
Westbury .. .. .	Gipps.	Trafalgar ..	A.C., 1 ph. ..	30	15	3 and 4	27.5.37
Westmere .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	50	17	3 and 4	30.9.38
Wheeler's Hill .. .. .	E/M.	Dandenong ..	A.C., 1 ph. ..	153	50	3 and 4	1.2.26
Whittlesea .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	438	126	3 and 4	28.9.37
Whorouly .. .. .	N/E.	Myrtleford ..	A.C., 3 ph. and 1 ph.	300	128	3 and 4	2.6.42
Whorouly East .. .. .	N/E.	Myrtleford ..	A.C., 1 ph. ..	(See Whorouly)		3 and 4	17.4.45
Whorouly South .. .. .	N/E.	Myrtleford ..	A.C., 1 ph. ..	(See Whorouly)		3 and 4	24.7.45
Willatook .. .. .	S/W.	Port Fairy ..	A.C., 1 ph.* ..	20	3	3 and 4	23.5.40
Willaura .. .. .	S/W.	Terang ..	A.C., 1 ph. ..	400	119	3 and 4	23.9.38
Willaura Rural .. .. .	S/W.	Terang ..	A.C., 1 ph. ..	1,100	191	3 and 4	23.9.38
Willowgrove .. .. .	Gipps.	Trafalgar ..	A.C., 1 ph. ..	64	28	3 and 4	22.5.39
Winchelsea .. .. .	S/W.	Colac ..	A.C., 3 ph. and 1 ph.	705	133	3 and 4	30.6.24
Wisleigh .. .. .	Gipps.	Lakes Entrance ..	A.C., 1 ph. ..	100	6	3 and 4	24.10.30
Wodonga .. .. .	N/E.	Wodonga ..	A.C., 3 ph. ..	3,400	680	2 and 4	1.11.33
Wodonga Rural .. .. .	N/E.	Wodonga ..	A.C., 1 ph. ..	40	7	3 and 4	8.8.38
Wollert .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	108	36	3 and 4	2.5.47
Wonga Park .. .. .	E/M.	Ringwood ..	A.C., 1 ph. ..	85	7	3 and 4	18.5.38
Woodend .. .. .	Mid.	Kyneton ..	A.C., 3 ph. and 1 ph.	1,696	371	3 and 4	1.8.29
Woodglen .. .. .	Gipps.	Bairnsdale ..	A.C., 3 ph. and 1 ph.	30	20	3 and 4	16.4.40
Woodvale .. .. .	Bend.	Bendigo ..	A.C., 3 ph. and 1 ph.	50	4	3 and 4	2.6.41
Wool Wool .. .. .	S/W.	Colac ..	A.C., 3 ph. ..	30	8	3 and 4	15.10.24
Woorndoo .. .. .	S/W.	Terang ..	A.C., 1 ph.* ..	40	11	3 and 4	8.12.38
Wunghnu .. .. .	N/E.	Numurkah ..	A.C., 3 ph. ..	210	46	3 and 4	1.10.33
Wy Yung .. .. .	Gipps.	Bairnsdale ..	A.C., 3 ph. and 1 ph.	50	10	3 and 4	28.9.28
Yackandandah .. .. .	N/E.	Wodonga ..	A.C., 3 ph. ..	363	123	3 and 4	20.12.39
Yallock .. .. .	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	120	29	3 and 4	25.11.37
Yangery .. .. .	S/W.	Port Fairy ..	A.C., 1 ph.* ..	120	7	3 and 4	22.6.38
Yannathan .. .. .	Gipps.	Koo-wee-rup ..	A.C., 1 ph. ..	285	92	3 and 4	8.2.36
Yan Yean .. .. .	E/M.	Greensborough ..	A.C., 1 ph. ..	135	39	3 and 4	28.9.37
Yarraberb .. .. .	Bend.	Inglewood ..	A.C., 1 ph. ..	30	4	3 and 4	9.7.44
Yarra Glen .. .. .	E/M.	Healesville ..	A.C., 1 ph. ..	192	74	3 and 4	15.3.34
Yarragon .. .. .	Gipps.	Trafalgar ..	A.C., 3 ph. and 1 ph.	683	246	3 and 4	1.11.23
Yarram .. .. .	Gipps.	Yarram ..	A.C., 3 ph. and 1 ph.	1,550	471	3 and 4	31.7.46
Yarrowonga .. .. .	N/E.	Yarrowonga ..	A.C., 3 ph. ..	2,880	695	2 and 4	1.8.25
Yea .. .. .	N/E.	Alexandra ..	A.C., 3 ph. ..	950	322	3 and 4	1.5.45
Yering .. .. .	E/M.	Healesville ..	A.C., 1 ph. ..	57	19	3 and 4	24.2.34
Yeringberg .. .. .	E/M.	Healesville ..	A.C., 1 ph. ..	60	19	3 and 4	7.7.33
Yinnar .. .. .	Gipps.	Traralgon ..	A.C., 3 ph. and 1 ph.	450	162	3 and 4	28.11.27
Yuroke .. .. .	Metro.	Melbourne ..	A.C., 3 ph. ..	50	12	3 and 4	13.6.39

\* = 230 V. only. † = Non-permanent supply.

Note.—System of Supply.—A.C. Single-phase—Metropolitan area, 200–400 volts.  
Other areas, 230–460 volts.

A.C. Three-phase, 230–400 volts.  
D.C. Three-wire, 230–460 volts.  
D.C. Two-wire, 230 volts.

LIST OF BRANCH OFFICES.

Branch Title.	Abbreviations.	Location of Branch Headquarters.	Telephone.
Metropolitan .. .. .	Metro. .. ..	238–242 Flinders-street, Melbourne .. ..	C. 10310 JM 1525 MU 9021
Ballarat .. .. .	Ball. .. ..	1–7 Wendouree-parade, Ballarat .. ..	1825
Bendigo .. .. .	Bend. .. ..	Cr. Hargreaves and Williamson-streets, Bendigo	1700
Geelong .. .. .	Geel. .. ..	Corio-terrace, Geelong .. ..	5941
Eastern Metropolitan .. .. .	E/M. .. ..	197 Lonsdale-street, Dandenong .. ..	182
Gippsland .. .. .	Gipps. .. ..	108–116 Franklin-street, Traralgon .. ..	114
Midland .. .. .	Mid. .. ..	40 Lyttleton-street, Castlemaine .. ..	238
North-Eastern .. .. .	N/E. .. ..	80 Bridge-street, Benalla .. ..	567
South-Western .. .. .	S/W. .. ..	119–121 Murray-street, Colac .. ..	661

## LIST OF DISTRICT OFFICES.

District Office.	Address.	Telephone.	District Office.	Address.	Telephone.
Alexandra ..	Grant-street, Alexandra ..	88	Leongatha ..	Bair-street, Leongatha ..	176
	High-street, Mansfield ..	40	Lorne ..	Cr. Mountjoy-parade and	29
	High-street, Yea ..	105		William-street, Lorne	
Bacchus Marsh ..	Main-street, Bacchus Marsh ..	236	Maffra ..	Johnston-street, Maffra ..	27
	Evans-street, Sunbury ..	14	Maryborough ..	112-114 High-street, Mary-	207
Bairnsdale ..	159 Main-street, Bairnsdale ..	333		borough	
Beechworth ..	Camp-street, Beechworth ..	132	Mornington ..	64 Main-street, Mornington ..	247
Belgrave ..	Main-road, Belgrave ..	127	Myrtleford ..	Myrtle-street, Myrtleford ..	60
Benalla ..	80 Bridge-street, Benalla ..	567	Numurkah ..	Melville-street, Numurkah ..	36
	Cowslip-street, Violet Town ..	47		Blake-street, Nathalia ..	54
Camperdown ..	Manifold-street, Camperdown ..	94	Port Fairy ..	Sackville-street, Port Fairy ..	123
Castlemaine ..	40 Lyttleton-street, Castle-	196 and 238	Queenscliff ..	Hesse-street, Queenscliff ..	92
	maine		Ringwood ..	187 Whitehorse-road, Ringwood	95
Chelsea ..	420 Point Nepean-road, Chelsea	45	Rochester ..	Gillies-street, Rochester ..	129
Cobram ..	William-street, Cobram ..	45	Rutherglen ..	Main-street, Rutherglen ..	98
Colac ..	119-121 Murray-street, Colac	661		Conness-street, Chiltern ..	31
Dandenong ..	197 Lonsdale-street, Dandenong	182, 192 and	Sale ..	78 Raymond-street, Sale ..	89
		168	Seymour ..	Station-street, Seymour ..	80
Daylesford ..	Vincent-street, Daylesford ..	257	Shepparton ..	Maude-street, Shepparton ..	49 and 747
Echuca ..	196 Hare-street, Echuca ..	321	Sorrento ..	Ocean Amphitheatre-road, Sor-	45
Euroa ..	Binney-street, Euroa ..	162		rento	
Foster ..	Main-street, Foster ..	50		Point Nepean-road, Dromana	Rosebud 271
Frankston ..	Cr. Wells and Bay streets,	109	Sunshine ..	241 Hampshire-road, Sunshine	MW 9648
	Frankston		Terang ..	High-street, Terang ..	47
Greensborough ..	Main-street, Greensborough ..	63	Trafalgar ..	Main-street, Trafalgar ..	50
Hamilton ..	Off Thompson-street, Hamilton	734	Traralgon ..	108-116 Franklin-street, Tra-	98, 114 and
Healesville ..	Nicholson-street, Healesville ..	165		ralgon	164
	Main-street, Warburton ..	93	Wangaratta ..	110 Murphy-street, Wangaratta	262
Inglewood ..	Brooke-street, Inglewood ..	105	Warragul ..	Victoria-street, Warragul ..	151
Koo-wee-rup ..	Station-street, Koo-wee-rup ..	41	Warrnambool ..	138 Koroit-street, Warrnambool	75
Korumburra ..	Commercial-street, Korumburra	29	Werribee ..	Watton-street, Werribee ..	5
Kyabram ..	Allan-street, Kyabram ..	221	Wodonga ..	Sydney-street, Wodonga ..	63
Kyneton ..	35 High-street, Kyneton ..	151		Towong-street, Tallangatta ..	91
	High-street, Woodend ..	74	Yarram ..	Commercial-road, Yarram ..	223
Lakes Entrance	Main-street, Lakes Entrance ..	76	Yarrawonga ..	Belmore-street, Yarrawonga ..	85

## ELECTRICITY SUPPLY UNDERTAKINGS (MUNICIPAL AND PRIVATE).

Municipality or Centre.	Supply Authority.	System of Supply.	Population.	Number of Consumers.	Tariffs.	
<b>METROPOLITAN.</b>						
<b>Supplied in Bulk by State Electricity Commission.</b>						
City of Melbourne (excl. Flemington)	Melbourne City Council ..	{ D.C., 230-460 v. A.C., 3 ph., 230-400 v. }	103,300	27,644	<p>Metropolitan Standard Tariffs apply in all these territories with the exception of that of the Melbourne City Council, which has the following Metropolitan Standard Tariffs only:—Residential, All-Purposes, Night Rate Water Heating.</p> <p>In addition to the above, the Melbourne City Council has Tariffs different from Standard for commercial and industrial lighting, radiators, and power and heating.</p>	
Box Hill, and City of Nunawading	Box Hill City Council ..	A.C., 3 ph., 230-400 v.	29,300	8,183		
Brunswick ..	Brunswick City Council ..	A.C., 3 ph., 230-400 v.	57,000	15,069		
Coburg ..	Coburg City Council ..	A.C., 3 ph., 230-400 v.	49,971	12,560		
Footscray and part of Braybrook Shire	Footscray City Council ..	A.C., 3 ph., 230-400 v.	65,500	14,900		
Heidelberg (excl. Greensborough)	Heidelberg City Council ..	A.C., 3 ph., 230-400 v.	31,500	8,316		
Northcote ..	Northcote City Council ..	A.C., 3 ph., 230-400 v.	43,378	11,869		
Port Melbourne	Port Melbourne City Council ..	A.C., 3 ph., 230-400 v.	13,000	3,522		
Preston ..	Preston City Council ..	A.C., 3 ph., 230-400 v.	41,813	10,920		
Williamstown ..	Williamstown City Council ..	A.C., 3 ph., 230-400 v.	26,940	7,119		
			461,702	120,102		
<b>COUNTRY.</b>						
					Lighting.	Power.
Apollo Bay ..	H. A. Block ..	D.C., 230 v. ..	600	199	1s. 3d. to 6d. ..	6d. to 2½d.
Ararat ..	Ararat Town Council ..	A.C., 3 ph., 230-400 v.	6,000	1,307	9d. to 1'25d. ..	3½d. to 1½d.
Beaufort ..	Ripon Shire Council ..	A.C., 3 ph., 230-400 v.	1,500	299	8d. ..	4d.
Berriwillock ..	Wycheproof Shire Council ..	A.C., 3 ph., 230-400 v.	..	(Incl. in Wycheproof)	11d. to 9d. ..	5d. to 3½d.
Beulah ..	Karkarooc Shire Council ..	D.C., 230-460 v. ..	460	144	1s. 3d. ..	4d.
Birchip ..	Birchip E.S. Co. Ltd. ..	D.C., 230 v. ..	700	211	1s. 2d. ..	7d. to 5d.
Boort ..	Boort Co-op. Butter and Ice Co. Ltd.	D.C., 230 v. ..	550	200	1s. 3d. to 9d. ..	6d. to 4d.
Broadford ..	Broadford Shire Council ..	D.C., 230 v. ..	1,200	260	9d. ..	6d.
Cardross ..	Mildura City Council ..	A.C., 3 ph., 230-400 v.	..	(Incl. in Mildura)	7d. to 5½d. ..	Dom. 2d. Ind. 4½d. to 1d.
Casterton ..	Casterton E.S. Co. Pty. Ltd. ..	D.C., 230 v. ..	1,800	461	9d. to 7d. ..	4d. to 1'1d.
Charlton ..	Charlton E.L. and P. Co. Ltd.	D.C., 230 v. ..	1,284	368	1s. to 7d. ..	5d. to 3½d.
Cohuna ..	Gunbower Co-op. Butter Factory and Trading Co. Ltd.	A.C., 3 ph., 230-400 v.	1,079	306	1s. to 9d. ..	6d. to 2d.
—	Corindhap Hydraulic G.S. Co. N.L.	A.C., 3 ph. ..	..	..	No supply to consumers	
Corryong ..	Shire of Upper Murray ..	A.C., 3 ph., 230-400 v.	700	186	1s. 3d. ..	6d. to 3d.
Culgoa ..	Wycheproof Shire Council ..	A.C., 3 ph., 230-400 v.	..	(Incl. in Wycheproof)	11d. to 9d. ..	5d. to 3½d.
Dimboola ..	Dimboola Shire Council ..	D.C., 230-460 v. ..	2,000	480	1s. to 8d. ..	6d. to 3d.
Donald ..	Donald Shire Council ..	D.C., 230 v. ..	1,400	451	1s. and 10d. ..	6d. to 1½d.
*Doncaster and Templestowe	Doncaster Shire Council ..	A.C., 1 ph., 200-400 v.	2,500	716	7d. ..	4d. to 0'2d.
Dumosa ..	Wycheproof Shire Council ..	A.C., 3 ph., 230-400 v.	..	(Incl. in Wycheproof)	11d. to 9d. ..	5d. to 3½d.
Edenhope ..	Edenhope E.S. Co. Pty. Ltd.	D.C., 230 v. ..	600	80	1s. 3d. ..	9d.
†Elmore ..	Elmore E.L. and P. Co. Ltd.	D.C., 230 v. ..	700	199	1s. 3d. ..	10d. to 8d.
Goroke ..	Goroke Butter and Freezing Co.	D.C., 230 v. ..	250	80	1s. 4d. to 9d. ..	6d. to 3d.
Gunbower ..	Gunbower Co-op. Butter Factory and Trading Co. Ltd.	D.C., 230 v. ..	225	45	1s. to 9d. ..	6d. to 2d.
Heathcote ..	McIvor Shire Council ..	D.C., 230-460 v. ..	1,500	263	1s. 4d. ..	8d. to 6d.
Heywood ..	S. F. Block ..	A.C., 3 ph., 230-400 v.	1,000	186	1s. 3d. to 1s. ..	6d. to 3d.
Hopetoun ..	Karkarooc Shire Council ..	D.C., 230 v. ..	720	212	10d. and 9d. ..	4d.
Horsham ..	Horsham Town Council ..	{ D.C., 230-460 v. A.C., 3 ph., 230-400 v. }	6,500	1,661	9d. ..	4d. to 2d.
Irymple ..	Mildura City Council ..	A.C., 3 ph., 230-400 v.	..	(Incl. in Mildura)	7d. to 5½d. ..	Dom. 2d. Ind. 4½d. to 1d.
Jeparit ..	S. F. Block (trading as "Jeparit Electric Light and Power Station").	D.C., 230 v. ..	800	226	1s. to 9d. ..	6d. to 3d.
Kaniva ..	Kaniva Shire Council ..	A.C., 3 ph., 230-400 v.	1,210	229	1s. ..	6d. and 5d.
Kerang ..	Kerang Shire Council ..	A.C., 3 ph., 230-400 v.	3,000	725	8d. to 4d. ..	4d. to 1½d.
Kilmore ..	Kilmore Shire Council ..	D.C., 230 v. ..	1,000	242	10d. to 6d. ..	4d. to 2d.
Koondrook ..	Kerang Shire Council ..	A.C., 3 ph., 230-400 v.	750	120	1s. 3d. ..	9d. to 3½d.
Korong Vale ..	Korong Shire Council ..	A.C., 3 ph., 230-400 v.	..	(See Wedderburn)	1s. 1d. ..	5½d. to 3d.
Manangatang ..	J. Andrews ..	D.C., 230 v. ..	450	76	1s. 4d. ..	6d. to 1d.
Merbein ..	Mildura City Council ..	A.C., 3 ph., 230-400 v.	..	(Incl. in Mildura)	7d. to 5½d. ..	Dom. 2d. Ind. 4½d. to 1d.
Mildura ..	Mildura City Council ..	A.C., 3 ph., 230-400 v.	15,000	4,406	City, 7d. to 5½d.; District, 7d. to 5½d.	City — Dom. 2d. Ind. 4½d. to 0'9d. Dist. — Dom. 2d. Ind. 4½d. to 1d.

## ELECTRICITY SUPPLY UNDERTAKINGS (MUNICIPAL AND PRIVATE)—continued.

Municipality or Centre.	Supply Authority.	System of Supply.	Popu- lation.	Number of Consumers.	Tariffs.	
					Lighting.	Power.
<b>COUNTRY—con- tinued.</b>						
Minyip ..	Dunmunkle Shire Council ..	D.C., 230 v. ..	700	184	1s. ..	8d. to 2d.
Mitiamo ..	C. W. Sims Jnr. ..	D.C., 230 v. ..	150	31	1s. 3d. to 6d. ..	1s. to 3d.
					Optional Tariff—4s. per month, plus 1s. per unit for first 12 units and 6d. per unit for all over.	
Murrayville ..	Walpeup Shire Council ..	A.C., 3 ph., 230-400 v. ..	400	85	1s. 3d. ..	5d. to 3d.
Murtoa ..	Dunmunkle Shire Council ..	D.C., 230 v. ..	1,200	323	9d. ..	4d. to 2d.
Nagambie ..	Goulburn Shire Council ..	D.C., 230-460 v. ..	850	204	10d. ..	6d.
Natimuk ..	H. C. Woolmer ..	A.C., 230-400 v. ..	500	103	1s. 3d. to 1s. ..	6d. to 4d.
Nhill ..	Lowan Shire Council ..	D.C., 230-460 v. ..	1990	529	8d. ..	5d. to 2d.
Nullawil ..	Wycheproof Shire Council ..	A.C., 3 ph., 230-400 v. ..	..	(Incl. in Wycheproof)	11d. to 9d. ..	5d. to 3½d.
Omeo ..	Omeo E.S. and Motor Co. Pty. Ltd.	A.C., 3 ph., 230-400 v. ..	500	86	1s. 6d. ..	6d.
Orbost ..	Orbost Butter and Produce Co. Ltd.	D.C., 230 v. ..	1,600	434	10d. to 9d. ..	5d. to 3d.
Ouyen ..	Walpeup Shire Council ..	D.C., 230-460 v. ..	1,100	290	11d. ..	3d. to 2d.
Phillip Island ..	Phillip Island Shire Council ..	A.C., 3 ph., 230-400 v. ..	500	150	† 1s. 1d. and 1s. ..	7d. to 4d.
Portland ..	Portland Borough Council ..	A.C., 3 ph., 230-400 v. ..	3,750	883	10d. to 6d. ..	5d. to 3d.
Pyramid ..	Gordon Shire Council ..	A.C., 3 ph., 230-400 v. ..	500	114	1s. 3d. to 6d. ..	6d. to 3d.
Quambatook ..	Kerang Shire Council ..	D.C., 230 v. ..	500	108	1s. 1d. to 1s. ..	6d. to 4d.
Rainbow ..	Frank Dawson Pty. Ltd. ..	D.C., 230 v. ..	1,007	210	1s. to 8d. ..	6d.
Red Cliffs ..	Mildura City Council ..	A.C., 3 ph., 230-400 v. ..	..	(Incl. in Mildura)	7d. to 5½d. ..	Dom. 2d. Ind. 4½d. to 1d.
Rupanyup ..	Dunmunkle Shire Council ..	D.C., 230 v. ..	700	158	1s. 1d. ..	8d. to 2d.
Rushworth ..	Waranga Shire Council ..	D.C., 230 v. ..	1,200	315	8d. ..	3½d. to 2d.
Sea Lake ..	Wycheproof Shire Council ..	A.C., 3 ph., 230-400 v. ..	..	(Incl. in Wycheproof)	11d. to 9d. ..	5d. to 3½d.
Serviceton ..	C. C. Wallis ..	D.C., 230 v. ..	150	33	1s. ..	6d.
Stawell ..	Stawell Borough Council ..	A.C., 3 ph., 230-400 v. ..	4,500	1,277	9d. ..	4d. to 2d.
St. Arnaud ..	St. Arnaud Borough Council ..	A.C., 3 ph., 230-400 v. ..	3,200	756	11d. to 6d. ..	5d. to 2½d.
Swan Hill (Borough)	Swan Hill Borough Council ..	A.C., 3 ph., 230-400 v. ..	5,000	1,133	8d. to 3d. ..	5d. to 1½d. less 45%
Swan Hill (Rural Supply)	Swan Hill Shire Council ..	A.C., 3 ph., 230-400 v. ..	1,180	648	1s. 1d. to 6d. ..	5d. to 3d.
Underbool ..	A. J. Gloster ..	D.C., 230 v. ..	200	42	1s. 6d. ..	8d. to 6d.
Warracknabeal ..	Warracknabeal E.L. Co. Ltd. ..	A.C., 3 ph., 230-400 v. ..	2,800	719	10d. and 9d. ..	6d. to 3d.
Wedderburn (Incl. Korong Vale)	Korong Shire Council ..	A.C., 3 ph., 230-400 v. ..	1,100	Wedderburn, 198 Korong Vale, 97	1s. 1d. ..	5½d. to 3d.
Wonthaggi ..	State Coal Mine ..	A.C., 3 ph., 240-415 v. ..	4,480	1,558	7d. ..	3d. to 1½d.
Woomelang ..	E. H. & L. J. Bailey ..	D.C., 230 v. ..	400	50	1s. 3d. ..	7d.
Wycheproof (Incl. Sea Lake and Inter- mediate Towns)	Wycheproof Shire Council ..	A.C., 3 ph., 230-400 v. ..	6,500	586	11d. to 9d. ..	5d. to 3½d.

\* Supplied in bulk by State Electricity Commission.

† Special per capita tariff for Guest houses.

‡ Acquired by State Electricity Commission subsequent to 30th June, 1946.

## NEW SOUTH WALES UNDERTAKINGS (BULK SUPPLIES).

(Not included in Summary.)

Municipalities of Albury, Berrigan, Coreen, Corowa, and Moama purchased from the State Electricity Commission of Victoria 17,432,604 kWh. during the year.

STATE ELECTRICITY COMMISSION OF VICTORIA.

COUNTRY UNDERTAKINGS ACQUIRED (71)—INCREASED DEVELOPMENT SINCE ACQUISITION.

Location.	Acquisition Date.	After Acquisition, Year 1946-47.		Prior to Acquisition.			Average Revenue per kWh. Sold.	
		kWh. Sold.	Revenue.	kWh. Sold.	Revenue.	For Year Ended.	1946-47.	Prior to Acquisition.
			£		£		d.	d.
Metropolitan Branch.								
Werribee .. .. .	10.4.24	3,758,831	25,864	61,190	2,575	30.9.23	1.65	10.10
Ballarat Branch.								
Ballan .. .. .	1.3.40	106,696	1,405	13,261	964	30.6.39	3.16	17.45
Daylesford .. .. .	31.10.40	1,256,666	9,103	184,853	5,091	30.10.40	1.74	6.61
Hepburn Springs .. .. .	1.10.40	210,889	2,528	46,002	1,701	30.6.40	2.88	8.87
Wallace .. .. .	17.5.40	121,084	556	1,320	90	30.6.39	1.10	16.36
Bendigo Branch.								
Eaglehawk .. .. .	1.2.36	687,677	7,711	198,580	4,472	30.9.35	2.69	5.40
Eastern Metropolitan Branch.								
Dandenong .. .. .	1.10.23	3,271,960	23,611	77,300	4,006	30.9.23	1.73	12.44
Frankston .. .. .	21.2.28	4,900,632	33,081	293,000	8,859	30.9.27	1.62	7.25
Healesville .. .. .	1.4.33	1,373,413	11,279	108,910	4,196	30.9.31	1.97	9.24
Lilydale .. .. .	1.4.25	1,708,270	8,969	39,950	1,816	30.9.24	1.26	10.91
Mornington .. .. .	1.8.30	2,098,953	15,262	120,000	4,634	30.9.28	1.75	9.26
Ringwood and Croydon .. .. .	1.4.25	4,308,052	28,464	181,600	4,393	30.9.24	1.59	5.81
Sorrento and Portsea .. .. .	1.10.27	1,117,415	9,213	47,500*	2,440	30.9.27	1.98	12.33*
Warburton .. .. .	1.7.44	324,209	3,661	112,555	3,485	30.6.44	2.71	7.43
Gippsland Branch.								
Bairnsdale .. .. .	1.4.27	2,255,610	16,648	100,272	2,948	30.6.23	1.77	7.06
Drouin .. .. .	3.10.24	1,141,354	6,511	19,500	743	30.9.21	1.37	9.15
Garfield .. .. .	1.8.29	135,567	1,106	8,864	465	30.12.27	1.96	12.59
Inverloch .. .. .	1.10.34	88,178	1,034	4,000*	200	30.6.34	2.81	12.00*
Koo-wee-rup .. .. .	1.8.35	406,591	2,719	17,481	686	9.8.33	1.60	9.42
Korumburra .. .. .	1.12.24	1,875,660	10,600	85,000	3,427	30.9.23	1.36	9.68
Leongatha .. .. .	15.2.24	1,427,414	8,748	50,640	2,012	30.6.23	1.47	9.53
Maffra .. .. .	1.9.24	3,242,041	15,332	62,000	2,651	30.9.22	1.13	10.26
Morwell .. .. .	1.4.26	16,060,481	45,793	52,062	1,772	30.9.25	0.68	8.17
Neerim South-Noojee .. .. .	15.1.35	841,061	5,069	59,550	1,193	30.6.33	1.45	4.81
Sale .. .. .	1.7.24	3,482,526	23,428	114,155	3,687	30.6.24	1.61	7.75
Toora-Foster .. .. .	1.5.38	803,502	5,317	116,330	2,348	30.6.36	1.59	4.84
Thorpdale .. .. .	23.12.37	76,225	633	5,000*	312*	23.12.37	1.99	14.98*
Warragul .. .. .	1.12.30	2,297,137	15,824	150,000*	4,830	30.11.30	1.65	7.73*
Welshpool .. .. .	13.8.38	71,503	804	5,280	172*	13.8.38	2.70	7.82*
Midland Branch.								
Avoca .. .. .	1.8.40	228,636	2,098	46,410	1,922	30.6.40	2.20	9.94
Bacchus Marsh .. .. .	2.6.41	1,060,365	8,095	253,913	4,225	30.9.40	1.83	3.99
Castlemaine .. .. .	31.12.29	2,695,689	17,695	175,904	7,130	31.12.28	1.58	9.73
Dunolly .. .. .	1.4.38	141,006	1,526	32,667	1,188	30.9.37	2.60	8.73
Gisborne .. .. .	1.10.28	242,534	1,947	17,000	1,074	30.9.27	1.93	15.16
Kyneton .. .. .	1.10.29	993,245	8,458	143,340	5,433	30.9.27	2.04	9.09
Maryborough .. .. .	1.10.37	2,697,800	18,033	421,013	10,215	30.9.37	1.60	5.82
Sunbury .. .. .	1.5.26	401,751	4,528	58,501	2,490	30.9.24	2.70	10.21
Trentham .. .. .	8.5.39	130,965	1,369	21,000*	989	30.9.38	2.51	11.30*
Woodend .. .. .	1.8.29	395,886	3,565	51,000	2,555	30.9.27	2.16	12.02
North-Eastern Branch.								
Alexandra .. .. .	11.4.27	702,202	5,000	64,000*	1,875	30.9.26	1.71	7.00*
Benalla .. .. .	1.5.26	1,975,014	16,456	70,800	3,373	30.9.24	2.00	11.43
Bright .. .. .	1.12.41	437,187	3,048	49,200	1,801	31.10.41	1.67	8.79
Cobram .. .. .	1.10.28	518,916	4,173	19,500	1,416	30.9.27	1.93	17.43
Euroa .. .. .	20.3.28	656,604	6,191	46,618	1,782	30.9.25	2.26	9.17
Kyabram .. .. .	1.12.26	1,720,444	10,573	92,312	3,462	4.7.25	1.47	9.00
Mansfield .. .. .	1.6.28	462,562	3,868	25,000	1,341	30.9.27	2.01	12.88
Mooroopna .. .. .	1.10.26	1,751,726	8,304	40,000	1,457	30.9.25	1.14	8.74
Murchison .. .. .	30.11.45	146,424	1,602	114,080	2,547	30.9.45	2.63	5.36
Myrtleford .. .. .	1.12.40	645,728	4,807	59,260	2,089	30.6.40	1.79	8.46
Nathalia and Numurkah .. .. .	1.10.31	877,843	7,390	96,763	3,619	30.9.31	2.02	8.97
Rochester .. .. .	1.8.35	770,660	5,444	191,310	4,223	31.7.35	1.70	5.30
Rutherford .. .. .	15.10.26	693,778	4,899	28,392	1,377	30.9.24	1.69	11.64
Seymour .. .. .	2.10.44	1,306,866	11,495	1,004,623	14,019	30.9.44	2.11	3.35
Shepparton .. .. .	1.1.25	4,160,532	26,786	163,400	4,625	30.6.24	1.55	6.79
Stanhope .. .. .	14.6.38	640,828	3,871	5,150*	341	14.6.38	1.45	15.89*
Tallangatta .. .. .	1.11.40	286,009	2,241	118,033	3,119	30.9.40	1.88	6.34
Tatura .. .. .	1.11.26	895,925	6,536	40,000	1,710	30.6.25	1.75	10.26
Violet Town .. .. .	1.3.36	89,008	1,211	14,650*	1,160	30.9.35	3.27	19.00*
Wahgunyah .. .. .	1.2.26	95,686	923	7,233	263	30.9.22	2.32	8.73
Wangaratta .. .. .	12.3.27	4,008,546	25,282	151,600	4,788	30.9.25	1.51	7.58
Yarrawonga .. .. .	1.11.33	776,536	6,368	64,500*	3,000*	30.6.33	1.97	11.16*
Wodonga .. .. .	1.8.25	705,515	6,511	47,000	2,149	30.9.24	2.21	10.97
Yea .. .. .	1.5.45	266,744	2,808	163,550	3,134	30.9.44	2.53	4.60
South-Western Branch.								
Camperdown .. .. .	1.1.24	1,488,699	11,292	97,664	4,122	30.9.23	1.82	10.13
Colac .. .. .	1.9.23	2,678,550	21,388	99,000	2,673	30.9.22	1.92	6.48
Coleraine .. .. .	1.7.46	167,561	2,358	100,216	2,435	31.12.44	3.38	5.83
Hamilton .. .. .	1.7.46	1,781,105	17,805	1,440,664	19,422	31.12.44	2.40	3.24
Koroit .. .. .	1.12.28	309,540	2,748	50,000	2,319	30.9.28	2.13	11.13
Lorne .. .. .	15.12.36	733,177	5,735	24,000	1,658	30.9.36	1.88	16.58
Mortlake .. .. .	16.5.24	342,092	2,951	35,306	1,626	30.9.22	2.07	11.05
Terang .. .. .	4.3.24	884,813	7,508	78,839	3,439	30.9.23	2.04	10.47
TOTAL .. .. .	..	101,414,294	655,159	8,159,566	219,753	..	1.55	6.46

\* Approximate only.

COMPARISON OF TOTAL FIGURES.

	kWh. Sold.	Revenue.	Average Revenue per kWh.
After acquisition .. .. .	101,414,294	£ 655,159	d. 1.55
Prior to acquisition .. .. .	8,159,566	219,753	6.46
Increase in sales and revenue .. .. .	1,142.9%	198.1%	Decrease 4.91 = 76.0%



## STATE ELECTRICITY COMMISSION OF VICTORIA.

## TRANSMISSION AND DISTRIBUTION SYSTEMS.

Description.	Increase during Year ended 30th June, 1947.		Total at 30th June, 1947.	
	Route Miles.	Cable Miles.	Route Miles.	Cable Miles.
OVERHEAD LINES.				
Yallourn to Yarraville .. ..	132 kV. ..	..	110·0	660·0
Yallourn to Richmond .. ..	132 kV. ..	..	80·5	483·0
Newport to Geelong .. ..	66 kV. ..	..	44·0	132·0
Sugarloaf to Thomastown .. ..	66 kV. ..	..	62·0	372·0
Thomastown to Bendigo .. ..	66 kV. ..	..	93·4	557·7
Newport to Ballarat .. ..	66 kV. ..	..	70·0	210·0
Kiewa No. 3 to Sugarloaf .. ..	66 kV. ..	..	137·0	411·0
Main Metropolitan Transmission Lines	66 kV. ..	..	22·0	22·0
"	22 kV. ..	5·8	184·4	630·7
Branches—				
Metropolitan .. ..	22 kV. ..	1·9	91·7	272·0
	7·2, 6·6, 4·16 kV. ..	11·1	311·5	910·7
	Low tension ..	42·9	1,815·9	6,887·6
Ballarat .. ..	22 kV. ..	6·6	165·2	472·3
	6·6 kV. ..	3·6	44·0	120·8
	Low tension ..	25·4	220·7	777·4
Bendigo .. ..	22 kV. ..	29·1	139·2	367·9
	Low tension ..	23·7	179·0	658·0
Geelong .. ..	22 kV. ..	19·4	143·3	361·8
	6·6 kV. ..	1·4	62·4	223·6
	Low tension ..	11·4	207·2	740·4
Eastern Metropolitan .. ..	22 kV. ..	37·8	514·2	1,290·5
	6·6 kV. ..	5·7	79·4	192·9
	Low tension ..	74·2	747·6	2,431·6
Gippsland .. ..	66 kV. ..	40·9	40·9	122·6
	22 kV. ..	51·6	1,078·6	2,695·9
	6·6 kV. ..	..	0·8	1·6
	Low tension ..	65·5	778·0	2,533·2
Midland .. ..	22 kV. ..	24·9	394·3	1,089·2
	6·6 kV. ..	..	1·6	4·7
	Low tension ..	33·5	256·5	862·5
North-Eastern .. ..	66 kV. ..	17·0	184·3	552·8
	22 kV. ..	73·0	1,001·3	2,684·1
	6·6 kV. ..	..	27·2	83·4
	Low tension ..	50·7	528·5	1,817·5
South-Western .. ..	66 kV. ..	..	76·7	369·5
	44 kV. ..	..	15·0	44·6
	22 kV. ..	74·6	1,016·9	2,206·4
	6·6 kV. ..	..	63·6	176·5
	Low tension ..	63·4	416·9	1,108·3
Yallourn .. ..	6·6 kV. ..	..	9·1	27·2
	Low tension ..	..	13·6	44·1
Summary .. ..	132 kV. ..	..	190·5	1,143·0
	66 kV. ..	57·9	730·3	2,749·6
	44 kV. ..	..	44·6	148·9
	22 kV. ..	324·7	840·8	4,729·1
	7·2, 6·6, 4·16 kV. ..	0·4	7·2	599·6
	Low tension ..	390·7	1,278·3	5,163·9
		772·9	2,300·5	11,458·0
				35,723·3
UNDERGROUND CABLES.				
	Cable Miles.		Cable Miles.	
22 kV. .. ..	11·32		150·14	
11, 7·2, 6·6, 4·16 and 3·3 kV. .. ..	0·23		329·48	
Pilot, telephone, and supervisory .. ..	25·54		144·67	
Low tension .. ..	1·41		53·18	
	38·04		677·47	
SUB-STATIONS.				
	Number.	Capacity kVA.	Number.	Capacity kVA.
Terminal Stations.. ..	1	31,000	7	421,250
Switching Stations .. ..	..	..	2	18,000
Main Metropolitan Transmission Sub-stations .. ..	1	5,500	35	486,250
Distribution Sub-stations at Line Voltage .. ..	..	..	4	16,500
Branches—				
Metropolitan .. ..	21	7,770	865	233,670
Ballarat .. ..	23	1,465	150	10,455
Bendigo .. ..	29	1,325	124	23,580
Geelong .. ..	16	1,185	202	26,425
Eastern Metropolitan .. ..	64	7,580	663	28,490
Gippsland .. ..	53	6,750	870	29,780
Midland .. ..	33	1,255	276	19,065
North-Eastern .. ..	157	8,049	864	73,074
South-Western .. ..	108	3,244	1,061	36,442
Yallourn .. ..	1	200	14	1,875
	507	75,323	5,137	1,424,856

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

Authority.	State Electricity Commission	Melbourne City Council.	Victorian State Railways.			Melbourne Electric Supply Co. Ltd.		Electric Supply Co. of Victoria Ltd.		Local Authorities.	Total kWh. Generated State of Victoria. (millions).
Stations.	See below.	Spencer-street, Melbourne.	Newport "A."			Richmond.	Geelong.	Ballarat.	Bendigo.	Country Centres not Served by State Generating System.	
Year.	kWh. (millions).	kWh. (millions).	kWh. (millions).			kWh. (millions).	kWh. (millions).	kWh. (millions).	kWh. (millions).	kWh. (millions).	
			(1).	(2).	Total.						
1924-25	.. 101.8	20.0	108.0	152.7	260.7	25.3	18.0	4.0	3.5	14.0	447.3
1925-26	.. 188.7	17.7	74.8	163.7	238.5	34.9	21.1	4.1	3.5	14.0	522.5
1926-27	.. 284.2	14.6	27.0	169.1	196.1	38.1	30.3	4.4	3.6	15.0	586.3
1927-28	.. 378.8	13.5	12.9	166.2	179.1	4.2	30.3	5.0	4.2	16.0	631.1
1928-29	.. 422.3	16.0	12.0	162.5	174.5	..	32.2	5.3	4.5	16.0	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	169.6	..	4.7	4.9	4.8	15.0	669.4
1931-32	.. 504.9	12.3	9.7	146.8	156.5	..	..	4.9	5.0	16.0	699.6
1932-33	.. 549.7	10.0	10.4	150.2	160.6	..	..	5.2	5.1	17.0	747.6
1933-34	.. 590.0	14.7	10.5	151.9	162.4	..	..	5.8	5.3	18.0	796.2
1934-35	.. 620.1	23.9	35.2	156.2	191.4	Stations acquired by State Electricity Commission.				20.0	855.4
1935-36	.. 716.1	35.6	12.2	159.1	171.3	..	..	..	..	22.0	945.0
1936-37	.. 769.7	33.9	14.1	162.9	177.0	..	..	..	..	23.0	1,003.6
1937-38	.. 836.1	34.7	14.5	165.2	179.7	..	..	..	..	26.0	1,076.5
1938-39	.. 897.8	29.5	13.8	168.9	182.7	..	..	..	..	28.0	1,138.0
1939-40	.. 1,024.2	33.3	14.5	153.7	168.2	..	..	..	..	26.0	1,251.7
1940-41	.. 1,155.1	16.9	17.2	167.4	184.6	..	..	..	..	21.0	1,377.6
1941-42	.. 1,330.5	Station now operated as part of State system.	17.9	163.4	181.3	..	..	..	..	21.0	1,532.8
1942-43	.. 1,455.4		14.6	151.5	166.1	..	..	..	..	22.0	1,643.5
1943-44	.. 1,475.6		15.2	153.8	169.0	..	..	..	..	24.0	1,668.6
1944-45	.. 1,502.3	..	14.7	168.7	183.4	..	..	..	..	24.0	1,709.7
1945-46	.. 1,594.9	..	13.0	162.8	175.8	..	..	..	..	27.0	1,797.7
1946-47	.. 1,691.0	..	15.5	164.4	179.9	..	..	..	..	29.0	1,899.9

(1) 25 cycle supplied to other authorities. (2) 25 cycle Railway purposes.

GENERATION OF ELECTRICITY  
STATE OF VICTORIA.

(b) STATE ELECTRICITY COMMISSION OF VICTORIA.

Station.  Year.	Yallourn.*		Newport.		Richmond.		Geelong.		Ballarat and Bendigo.		Spencer-street.		Sugarloaf-Rubicon.		Kiewa.		All Stations.	
	kWh. (millions).	M.D. kW.	kWh. (millions).	M.D. kW.	kWh. (millions).	M.D. kW.	kWh. (millions).	M.D. kW.	kWh. (millions).	M.D. kW.	kWh. (millions).	M.D. kW.	kWh. (millions).	M.D. kW.	kWh. (millions).	M.D. kW.	kWh. (millions).	M.D. kW. Colloidant.
1924-25	..	48·4	29,000	15·6,24	Operation commenced 12.10.23. 53·4	15,800	..	..	..	..	..	..	..	..	..	..	101·8	40,500
1925-26	..	142·7	37,500	46·0	16,800	..	..	..	..	..	..	..	..	..	..	..	188·7	50,000
1926-27	..	238·8	61,000	45·4	19,800	..	..	..	..	..	..	..	..	..	..	..	284·2	76,000
1927-28	..	319·7	68,500	54·3	20,800	..	..	..	..	..	..	..	..	..	..	..	378·8	87,500
1928-29	..	304·5	64,000	49·0	20,000	3·5	15,000	..	..	..	..	..	..	..	..	..	422·3	95,500
1929-30	..	310·6	62,500	50·8	21,000	21·9	16,200	..	..	..	..	..	..	..	..	..	461·2	103,160
1930-31	..	251·9	63,000	38·4	19,800	26·6	15,520	20·5	5,570	..	..	..	..	..	..	..	458·3	109,013
1931-32	..	320·1	80,000	9·8	18,800	25·7	15,000	26·9	6,510	..	..	..	..	..	..	..	504·9	116,959
1932-33	..	386·2	88,500	2·8	14,400	22·5	15,360	27·1	6,560	..	..	..	..	..	..	..	549·7	123,404
1933-34	..	429·3	95,000	7·6	18,500	22·6	15,120	29·5	6,690	..	..	..	..	..	..	..	590·0	127,621
1934-35	..	310·8	94,000	54·0	18,200	56·5	15,500	30·8	6,980	12·7	3,711	..	..	..	..	..	620·1	141,993
1935-36	..	487·6	107,500	16·7	19,300	29·8	15,100	34·1	7,930	13·2	3,825	..	..	..	..	..	716·1	158,862
1936-37	..	531·2	122,500	27·2	19,000	25·3	15,400	32·1	7,930	12·5	3,750	..	..	..	..	..	769·7	173,300
1937-38	..	654·8	140,500	27·1	18,600	24·2	15,300	34·4	8,620	10·0	3,797	..	..	..	..	..	836·1	181,847
1938-39	..	696·6	136,500	23·9	19,600	26·7	15,200	38·0	9,230	9·4	2,716	..	..	..	..	..	897·8	198,000
1939-40	..	776·1	168,000	39·3	35,000	16·2	15,400	31·5	7,710	11·6	2,988	..	..	..	..	..	1,024·2	218,600
1940-41	..	939·5	174,500	44·6	45,300	21·2	15,360	21·7	10,050	14·3	3,820	16·0	26,000	97·8	20,800	..	1,155·1	261,820
1941-42	..	1,027·3	187,500	45·2	54,800	35·2	15,540	30·7	10,600	14·6	4,140	44·1	35,000	133·4	25,600	..	1,330·5	297,696
1942-43	..	1,110·1	186,000	45·8	63,000	38·6	15,600	34·3	11,800	15·0	5,960	55·4	33,000	156·2	26,100	..	1,455·4	319,300
1943-44	..	1,088·0	188,000	83·3	71,600	44·5	15,600	44·8	12,200	20·8	5,400	63·8	40,650	130·4	25,700	..	1,475·6	328,000
1944-45	..	1,133·2	187,000	92·1	89,500	40·2	15,530	38·8	11,200	18·9	5,000	59·3	35,070	101·1	25,500	18·7	1,502·3	351,600
1945-46	..	1,136·7	190,500	136·9	93,500	33·1	15,600	31·2	11,900	16·0	5,350	55·0	34,200	134·3	25,650	51·4	1,594·9	377,100
1946-47	..	1,180·6	185,000	181·6	88,000	23·5	15,520	28·9	11,800	18·0	5,150	51·1	29,820	144·7	25,85	61·5	1,691·0	364,750

\* Including electricity transferred from Briquette Factory.

† Includes generation at Hamilton and Warburton.

STATE ELECTRICITY COMMISSION OF VICTORIA

# ELECTRICITY SUPPLY

GENERATION  
TRANSMISSION  
H.V. DISTRIBUTION

