

ANNUAL STATISTICS IN RELATION TO HYDRO-ELECTRIC DEVELOPMENT AND OPERATION

YEAR ENDED 31st MARCH, 1947

GENERAL MANAGER'S REPORT

For full text of the above report, refer to State Hydro-electric Statement, 1947, Appendix A, pages 4 to 37 inclusive.

The statistics and information usually compiled under the headings "Local Electrical Supply Systems," "Broken Wires and Poles," "Growth of Load," "Electrical Accidents," and "Electrical Fires" have been condensed and summarized as follows:—

A. Condensed Statistics, 1946-47

		1947.	1946.	Increase or Decrease
(a) Installed generating-capacity (main stations)	kW.	455,925	433,912	+ 22,013
(b) Installed generating-capacity (standby)	kW.	95,280	96,035	- 1,355
(c) Total connected load (excluding bulk supply)	kW.	3,309,258	3,131,154	+268,104
(d) Consumers	No.	493,112	486,172	+ 6,940
(e) Units sold per capita	No.	1,133	1,097	+ 36
(f) Units sold per consumer	No.	4,051	3,888	+ 163
(g) Route-miles of main and distribution lines	R.M.	31,419	30,777	+ 642
(h) Consumers per route-mile of line	No.	15.69	15.79	- 0.1
(i) Sales (retail) per route-mile of line	Units.	63,588	61,417	+ 2,171
(j) Miles of conductor in service	Miles.	141,778*	142,144*	- 366
(k) Broken poles reported	No.	401	444	- 43
(l) Broken wires reported	No.	5,345	10,513	- 5,168
(m) Electrical fires reported	No.	27	17	+ 10
(n) Electrical accidents reported	No.	43	33	+ 10
		(16 fatal)	(6 fatal)	
(o) Electric-ranges installed	No.	161,635	146,142	+ 15,493
(p) Electric water-heaters installed	No.	193,319	175,310	+ 18,009
(q) Electric milking-machines installed	No.	34,857	33,304	+ 1,553

* Including service lines. No return received from Christchurch City Council.

B. Summarized Results of Operations for the Year ended 31st March, 1947

Item		Water	Steam	Gas	Oil	Total.
1 Number of main stations	No.	25	..	..	5	30
2 Installed capacity (main plant)	kW.	455,568	..	..	357	455,925
3 Number of standby plants	No.	12	8	2	15	37
4 Installed capacity (standby plant)	kW.	7,779	68,387	891	18,223	95,280
5 Units generated	No.	2,356,755,784	142,000,046	5,280	29,363,581	2,528,214,691
6 Units sold to consumers						1,997,873,223
7 Percentage of non-productive units						20.98%
8 Number of consumers						493,112
9 Connected load (excluding bulk supply)						3,309,258kW.
10 Total operative capital (including distribution systems and standby plant)						£60,146,777
11 Total capital per kilowatt installed (including distribution systems, &c.)						109.12
12 Annual working-costs (excluding cost of power purchased in bulk)						£3,081,068
13 Annual working-cost per unit under section 6						0.370d.
14 Annual capital cost (interest, sinking fund, and depreciation)						£3,003,995
15 Annual capital cost per unit under section 6						0.361d.
16 Annual capital cost as a percentage of capital						4.99%
17 Total annual costs (section 12 plus section 14)						£6,085,063
18 Total annual cost per unit under section 6						0.731d.
19 Total annual revenue (from retail sale of electricity)						£6,817,569
20 Average revenue per unit (from sections 19 and 6)						0.819d.
21 Gross revenue (excluding rates and bulk sales)						£7,464,153
22 Net profit (section 21 less section 17)						£1,379,090
23 Ratio of working-costs to gross revenue (section 12 and section 21)						41.27%

Tables

For reasons of economy in paper, the usual number of tables is not being published for the year ended 31st March, 1947, Tables VI, VII, VIII, XII, XV, and XVI being omitted. Tables IV and V have been incorporated in Table XI.

This edition contains—

Table I.—Government System: Capital Outlay and Results of Operation.	Table X.—Results of Generation, Distribution, &c.
Table II.—Government System: Analysis of Capital Outlay.	Table XI.—Financial Results of Operation, &c.
Table III.—Government System: Working-costs.	Table XIII.—Averages derived from Tables IX, X, and XI.
Table IX.—Generating Plants, Voltages, Route-miles of Lines, &c.	Table XIV.—Populations, Consumers, Ranges, Water-heaters, and Milking-machines.
	Table XVII.—Electric Wiremen's Registration Board Statistics.

TABLE I.—SUMMARY OF FINANCIAL AND OPERATING STATISTICS FOR NORTH ISLAND AND SOUTH ISLAND
MENT ELECTRIC-POWER SYSTEMS FOR THE YEAR ENDED 31ST MARCH, 1947 (THIRTEENTH YE

NOTE—"North Island system" includes Arapuni, Horahora, Mangahao, and Waikaremoana main stations and B Wharf, and Penrose standby stations, all interconnected. "South Island system" includes Coleridge, Waitaki, Mo (Kaimata), and Highbank main stations and Dobson standby station, all interconnected; also Cobb main station and station, not interconnected.

A. Financial

	North Island	South Island	Total		North Island	South Island
Capital outlay—	£	£	£		£	£
Assets in operation	14,949,071	9,263,068	24,212,139	Net profit for year	56,670	284,972
Assets not in operation	8,538,323	1,222,863	9,761,186	Transfer from Reserve		
Total capital outlay	23,487,394	10,485,931	33,973,325	Allocation of profits—		
Revenue for year	2,023,237	1,086,339	3,109,576	Loan Redemption Account		173,742
Working-costs	1,150,144	380,240	1,530,384	Income-tax, &c.	132,624	111,230
Capital charges—				Reserve Fund		
Interest	541,047	342,756	883,803	Totals	132,624	284,972
Depreciation	275,376	78,371	353,747	Depreciation Reserve to date	2,729,718	1,310,741
Totals	816,423	421,127	1,237,550	Loan Redemption Fund	2,025,045	1,323,979
Total costs for year	1,966,567	801,367	2,767,934	Reserve Fund to date		
				Arrears: Loan Redemption	692,408	148,268
				Fund not yet appropriated		

B. Operating Results

	1946-47 (Thirteenth Year)		
Maximum load (kilowatts)—			Revenue—
North Island system	314,800		Per kilowatt (system maximum)—
South Island system	136,985		North Island system
			South Island system
Average load (kilowatts)—			Per unit output—
North Island system	188,989		North Island system
South Island system	79,346		South Island system
			Per unit distributed—
Average load factor—	Per Cent.		North Island system
North Island system	60.03		South Island system
South Island system	57.92		Working-costs—
			Per kilowatt (system maximum)—
Units output (generated and purchased)—			North Island system
North Island system	1,655,547,525		South Island system
South Island system	695,072,626		Per unit output—
Combined	2,350,620,151		North Island system
			South Island system
Units distributed—			Per unit distributed—
Units sold—			North Island system
North Island system	1,473,579,832		South Island system
South Island system	609,323,803		Per unit sold—
Combined	2,082,903,635		North Island system
			South Island system
Units unsold (used free of charge)—			Capital charges—
North Island system	9,382,913		Per kilowatt (system maximum)—
South Island system	6,952,286		North Island system
Combined	16,335,199		South Island system
			Per unit output—
Total units distributed, North Island system	1,482,962,745		North Island system
Total units distributed, South Island system	616,276,089		South Island system
Combined	2,099,238,834		Per unit distributed—
			North Island system
Line losses—			South Island system
Transmission and distribution—	Units.	Per Cent.	Per unit sold—
North Island system	172,584,780	10.42	North Island system
South Island system	78,796,637	11.34	South Island system
Combined	251,381,317	10.69	Per unit sold—
			North Island system
			South Island system

TABLE II.—ANALYSIS OF GOVERNMENT CAPITAL OUTLAY AS AT 31ST MARCH, 1941

North Island System.		South Island System.		Combined Totals.
Headworks and power-stations—		Headworks and power-stations—		
Land, fencing, and roading—		Land, fencing, and roading—		
	£		£	£
Arapuni	118,406	Coleridge	25,841	
Horahora	3,375	Waitaki	48,441	
Mangahao	74,707	Monowai	14,048	
Waikaremoana (Tuai)	17,200	Arnold (Kaimata)	1,803	
" (Piripaua)	40,224	Highbank	14,701	
" (Kaitawa)	14,397	Cobb	60,123	
Taupo	151,005			
Karapiro	262,933			
Maraetai	79,295			926,499
Headworks—		Headworks—		
Arapuni	1,300,382	Coleridge	550,739	
Horahora	159,353	Waitaki	1,095,212	
Mangahao	947,081	Monowai	86,660	
Waikaremoana (Tuai)	200,775	Arnold (Kaimata)	108,153	
" (Piripaua)	695,013	Highbank	230,345	
" (Kaitawa)	836,300	Tekapo	715,203	
Karapiro	2,099,485	Cobb	584,454	
Maraetai	578,085	Pukaki	85,037	10,272,277
Generating-station, buildings, and village—		Generating-station, buildings, and village—		
Arapuni	506,098	Coleridge	104,486	
Horahora	64,301	Waitaki	468,842	
Mangahao	132,350	Monowai	46,438	
Waikaremoana (Tuai)	292,440	Arnold (Kaimata)	10,649	
" (Piripaua)	96,516	Highbank	92,448	
" (Kaitawa)	276,600	Cobb	64,621	
Karapiro	498,268			2,654,057
Generating plant and machinery—		Generating plant and machinery—		
Arapuni	1,106,002	Coleridge	250,900	
Horahora	100,010	Waitaki	368,076	
Mangahao	218,619	Monowai	62,202	
Waikaremoana (Tuai)	449,823	Arnold (Kaimata)	26,855	
" (Piripaua)	210,277	Highbank	169,747	
" (Kaitawa)	346,800	Cobb	80,257	
Karapiro	1,107,705			4,773,268
Maraetai	276,195			
Fuel stations (three): Penrose, Huntly, and King's Wharf	423,285	Fuel stations (two): Stoke and Dobson	164,034	587,319
Transmission and distribution—		Transmission and distribution—		
Primary distribution—		Primary distribution—		
11 kV. lines	68,734	11 kV. lines	611,752	
33 kV. lines		33 kV. lines	59,447	
50 kV. lines	536,616	50 kV. lines		
66 kV. lines		66 kV. lines	795,359	
110 kV. lines	2,724,164	110 kV. lines	431,484	
220 kV. lines	60,037	220 kV. lines		
Secondary distribution		Secondary distribution	391,743	5,679,336
Substations—		Substations—		
11 kV. substations	20,661	11 kV. substations	7,866	
33 kV. substations		33 kV. substations	46,065	
50 kV. substations	751,003	50 kV. substations		
66 kV. substations		66 kV. substations	792,450	
110 kV. substations	2,409,125	110 kV. substations	403,029	
220 kV. substations	534,837	220 kV. substations	100	4,965,136
General—		General—		
General offices, garages, stores, and other accommodation	212,502	General offices, garages, stores, and other accommodation	46,064	
Communications	286,423	Communications	139,333	
Explorations and preliminary surveys; engineering, office, and general expenses; charges and expenses of raising loans	528,907	Explorations and preliminary surveys; engineering, office, and general expenses; charges and expenses of raising loans	544,442	
Interest during construction	1,671,280	Interest during construction	686,432	4,115,433
Grand totals	£23,487,394		£10,485,931	£33,973,325

TABLE III.—GOVERNMENT OPERATING OR WORKING COSTS FOR THE YEAR ENDED 31ST MARCH, 1947

	North Island System.				South Island System.			
	Cost.	Cost per Unit.			Cost.	Cost per Unit.		
		Generated.	Distributed.	Sold.		Generated.	Distributed.	Sold.
	£	d.	d.	d.	£	d.	d.	d.
(a) Hydro stations	123,800	0-0202			64,381	0-0227		
(b) Fuel stations	195,321	0-8232			24,655	1-5046		
(c) Auxiliary stations, power purchased, and standby provision	474,123	0-8304			45,982	1-1286		
Generated and purchased	793,044	0-1150	0-1283	0-1292	135,018	0-0466	0-0526	0-0532
(d) Transmission	62,545	0-0091	0-0101	0-0102	25,973	0-0090	0-0101	0-0102
(e) Communication system	13,957	0-0020	0-0023	0-0023	4,813	0-0017	0-0019	0-0019
(f) Substations	79,503	0-0115	0-0129	0-0129	41,642	0-0144	0-0162	0-0164
(g) Distribution	1,660	0-0002	0-0003	0-0003	40,437	0-0140	0-0157	0-0159
(h) System operation	30,239	0-0044	0-0049	0-0049	20,058	0-0069	0-0078	0-0079
(i) Management and general expenses	169,196	0-0245	0-0274	0-0276	112,299	0-0388	0-0437	0-0442
	1,150,144	0-1667	0-1861	0-1873	380,240	0-1313	0-1481	0-1498

Units generated—

North Island System

South Island System

1,461,579,296

681,362,120

Authorities	Year when Supply commenced	Capacity of Generating Plant				Standby Plant	Total Capacity	Static Head, In Feet.	Generation	Transmission	Primary Distribution	Secondary Distribution	Number	Total	Miles of Line
		Water	Steam	Oil	Main Plant										
RDS—continued	1912	..	..	..	..	..	..	..	..	..	..	486	13,507	470
	1925	..	..	..	..	..	..	..	..	..	..	860	9,072	920
	1920	..	..	..	..	..	..	..	..	..	..	314	7,765	360
	1922	..	..	..	..	..	..	..	..	..	..	507	4,304	405
	1927	..	..	..	..	..	..	..	..	..	..	418	9,200	483
	1925	..	..	..	..	..	..	..	..	..	..	410	4,547	392
	1926	..	..	..	..	..	..	..	..	..	..	453	6,248	680
	1921	..	..	..	..	..	..	..	..	..	..	323	7,222	362
	1924	..	..	..	..	..	..	..	..	..	..	176	1,287	72
	1921	..	..	..	..	..	..	..	..	..	..	682	19,318	1,080
ley	1933	..	..	..	..	..	..	..	..	..	..	208	5,871	254
	1923	..	..	..	..	..	..	..	..	..	..	432	13,765	665
	1925	..	..	..	..	..	..	..	..	..	..	227	1,884	201
	1923	..	..	..	..	..	..	..	..	..	..	108	3,333	15
North	1903	..	..	..	..	..	..	..	..	..	..	603	70,712	524
	1907	..	..	..	..	..	..	..	..	..	..	909	49,066	645
	1913	..	..	..	..	..	..	..	..	..	..	48	7,350	81
	1914	..	..	..	..	..	..	..	..	..	..	85	5,878	119
	1923	..	..	..	..	..	..	..	..	..	..	38	6,180	64
	1924	..	..	..	..	..	..	..	..	..	..	64	7,000	90
	1888	..	..	..	..	..	..	..	..	..	..	160	78,060	326
	1903	..	..	..	..	..	..	..	..	..	..	1,807	220,746	1,858
	1905	..	..	..	..	..	..	..	..	..	..	24	1,143	12
	1917	..	..	..	..	..	..	..	..	..	..	6	448	6
South	1906	..	..	..	..	..	..	..	..	..	..	21	407	23
	1914	..	..	..	..	..	..	..	..	..	..	21	407	23
	1901	..	..	..	..	..	..	..	..	..	..	21	407	23
	1917	..	..	..	..	..	..	..	..	..	..	21	407	23
	1917	..	..	..	..	..	..	..	..	..	..	21	407	23
	1917	..	..	..	..	..	..	..	..	..	..	21	407	23
	1917	..	..	..	..	..	..	..	..	..	..	21	407	23
	1917	..	..	..	..	..	..	..	..	..	..	21	407	23
	1917	..	..	..	..	..	..	..	..	..	..	21	407	23
	1917	..	..	..	..	..	..	..	..	..	..	21	407	23

TABLE IX.—STATISTICS OF GENERATING-PLANTS, SYSTEM VOLTAGE, ROUTE-MILES OF LINES, TRANSFORMERS, &C., FOR THE YEAR ENDED 31ST MARCH, 1947—continued

authorities.	Source of Supply.	Year when Supply commenced.	Capacity of Generating Plant.						Static Head, in Feet.	Voltage.				Secondary Distribution.	Distribution Transformers.		Route Miles of Lines.	No.	
			Water.	Steam.	Oil.	Main Plant.	Standby Plant.	Total Capacity.		Transmission.	Primary Distribution.	Number.	Total.						
								KW.						KVA.	KW.	KVA.	KVA.	KW.	
Public Supply	G.S.	1910	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12
	G.N.	1901	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
	B.	1898	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14
	B.	1913	..	..	76	..	..	..	..	..	..	..	..	..	..	..	..	15
	G.N.	1924	425	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16
	I. & G.N.	1915	3,440	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17
	B.	1906	133	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18
	B.	1921	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19
	B.	1914	100	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20
	G.S.	1908	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21
	G.N.	1913	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22
	B.	1917	200	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23
	E. & B.	1935	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24
	B.	1922	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25
	B.	1915	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	26
	B.	1922	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27
	Boards	B.	1940	1
		B.	1913	2
	B.	1920	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Councils	G.S.	1914	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
	I.	1922	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
	I.	1922	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
	I.	1925	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
Local authorities			32,254	29,050	4,706	35,137	28,140	47,330	66,700	82,523	432	306	306	3,015	3,170	3,015	3,170		
			80	..	256	332	80	100	330	432	..	..	..	..	..	..	..
			8,774	..	804	5,545	5,148	6,105	9,098	11,710	..	..	..	..	..	..	..
				
				
				
				
				

REPORT FOR THE YEAR ENDED 31ST MARCH, 1947—continued

Supply Authorities.	Units.												Units sold (Average).			No.	
	Generated.			Net generated.	Purchased.	Sold.		Per Head of Population	Per Consumer (excluding Bulk Supply)	Per % of Distribution	Per Route-mile of Line.	Average Maximum Demand per Retail Consumer.					
	Water.	Steam.	Oil.			In Bulk for Resale.	Retail to Consumers.						Non-productive.				
	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.	kWh.					
LOCAL AUTHORITIES—continued																	
Coventry Council	3,502	2,948	276	1,277,480	1,114,395	153,085	1,277,480	1,114,395	153,085	12.77	12.12	64,922	1				
Wood	2,843	9,371	380	1,174,140	1,031,843	142,297	1,174,140	1,031,843	142,297	12.12	10.60	100,074	2				
Noton	6,836	9,571	654	1,717,000	1,628,377	88,623	1,717,000	1,628,377	88,623	12.77	13.77	118,628	3				
Sheff	18,053	15,387	2,666	2,716,800	2,371,295	345,505	2,716,800	2,371,295	345,505	15.34	13.11	165,131	4				
Plymouth	45,553	31,673	13,880	16,210,242	14,534,012	1,676,230	16,210,242	14,534,012	1,676,230	10.34	9.11	330,332	5				
Worcester	2,022	11,505	933	38,804,070	34,568,174	4,235,896	38,804,070	34,568,174	4,235,896	10.92	10.34	80,755	6				
Gloucester	2,807	13,024	1,013	1,150,602	1,063,084	87,518	1,150,602	1,063,084	87,518	18.56	17.77	40,217	7				
Leeds	1,353	11,403	11	531,080	456,177	74,903	531,080	456,177	74,903	8.76	8.16	71,515	8				
Doncaster	2,824	9,013	250	945,680	901,034	44,646	945,680	901,034	44,646	14.10	13.40	32,179	9				
Grimsby	5,135	2,579	11	2,807,000	2,574,000	233,000	2,807,000	2,574,000	233,000	11.14	11.14	186,531	10				
Bradford	10,062	13,232	40	10,001,000	9,065,246	1,035,754	10,001,000	9,065,246	1,035,754	10.80	11.21	412,710	11				
Sheffields	22,541	11,225	26	13,050,800	11,020,510	2,030,290	13,050,800	11,020,510	2,030,290	11.29	11.29	62,814	12				
Don Electric Supply	13,048	860	8	4,389,500	3,901,508	487,992	4,389,500	3,901,508	487,992	11.11	10.08	152,228	13				
Leeds	5,177	330	6	3,230,100	2,552,850	677,250	3,230,100	2,552,850	677,250	7.60	5.89	127,382	14				
Sheffields	4,859	650	13	3,084,850	3,084,850	0	3,084,850	3,084,850	0	15.0	15.0	99,477	15				
Don	6,885	3,124	24	10,314,204	10,314,204	0	10,314,204	10,314,204	0	20.26	19.65	336,022	16				
Sheffields	5,020	605	12	2,774,406	2,623,505	150,901	2,774,406	2,623,505	150,901	8.70	8.01	136,405	17				
Sheffields	2,583	2,752	11	1,357,600	1,357,600	0	1,357,600	1,357,600	0	8.70	8.01	100,457	18				
Sheffields	5,667	11,000	54	3,960,214	3,555,305	404,909	3,960,214	3,555,305	404,909	10.21	11.14	149,540	19				
Sheffields	38,813	4,354	11	20,248,000	17,339,421	2,908,579	20,248,000	17,339,421	2,908,579	14.37	8.08	337,074	20				
Sheffields	6,193	414	6	4,680,000	4,181,670	498,330	4,680,000	4,181,670	498,330	12.82	12.82	202,174	21				
Sheffields	9,216	468	8	1,777,280	1,586,670	190,610	1,777,280	1,586,670	190,610	10.73	10.73	46,088	22				
Sheffields	7,081	660	8	3,240,503	2,810,327	430,176	3,240,503	2,810,327	430,176	12.35	11.30	145,684	23				
Sheffields	22,564	2,000	0	9,004,040	7,768,466	1,235,574	9,004,040	7,768,466	1,235,574	13.71	13.71	127,062	24				
Totals	206,404	206,404	..	170,888,094	142,598,108	28,290,986	170,888,094	142,598,108	28,290,986	12.20	12.20	124,906	..				
Town Boards	2,395	361	16	1,911,400	1,911,400	0	1,911,400	1,911,400	0	9.60	9.60	31,066	1				
Sheffields	2,302	82	16	366,987	366,987	0	366,987	366,987	0	12.84	12.84	26,650	2				
Sheffields	104	35	18	54,717	54,717	0	54,717	54,717	0	20.20	20.20	8,725	3				
Totals	3,001	300	..	2,333,104	2,333,104	0	2,333,104	2,333,104	0	10.43	10.43	29,432	..				
County Councils	9,051	1,399	..	5,230,640	4,655,270	575,370	5,230,640	4,655,270	575,370	11.00	11.00	272,228	1				
Sheffields	401	90	..	587,470	523,937	63,533	587,470	523,937	63,533	22.40	22.40	30,258	2				
Sheffields	698	140	..	505,455	422,615	82,840	505,455	422,615	82,840	16.30	16.30	27,091	3				
Sheffields	80	..	..	37,280	27,241	10,039	37,280	27,241	10,039	26.93	26.93	7,783	4		
Totals	10,200	1,000	..	6,000,640	5,328,003	672,637	6,000,640	5,328,003	672,637	12.09	12.09	115,827	..				
Totals, other local authorities	1,225,659	1,225,659	..	706,108,304	680,932,216	25,176,088	706,108,304	680,932,216	25,176,088	..	..	222,000	..		
COMPANIES	4,540	1,140	..	5,411,515	4,599,700	811,815	5,411,515	4,599,700	811,815	14.68	14.68	153,005	1				
Sheffields	112	..	..	10,010	10,010	0	10,010	10,010	0	25.00	25.00	9,505	2		
Sheffields	125	12	..	28,000	22,833	5,167	28,000	22,833	5,167	18.40	18.40	22,833	3				
Sheffields	29,751	3,200	..	2,334,352	1,339,024	1,095,328	2,334,352	1,339,024	1,095,328	23.08	7.10	53,632	4				
Sheffields	..	432	..	7,589,104	7,589,104	0	7,589,104	7,589,104	0	22.07	22.07	22,401	5				
Totals	14,473	14,473	..	38,387,058	34,817,770	3,569,288	38,387,058	34,817,770	3,569,288	..	..	223,031	..		
Grand Totals	3,309,268	3,309,268	..	1,997,873,223	1,800,341,468	197,531,755	1,997,873,223	1,800,341,468	197,531,755	20.08	20.08	130,814	..				

TABLE XIII.—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31ST MARCH, 1947

Main data table with columns: Supply Authorities, Revenue from Sale of Electricity, Working-costs, Capital Charges, Total Costs, and No. Includes sub-sections for SHARPE HYDRO-ELECTRIC DEPARTMENT and POWHE BOARDS.

(For notes see page 18.)

Summary table with columns: 72,429, 218,521, 80,146,777, 470,707, 40,906, 125,881,10,411,759, 936,900, 13,813, 7,473, 8,435, 8,049, 87,704, 4,289, 4,442, 8,731, 46,405, 15,537, 707.

B. WESTLAND POWER, LTD., Totals, Grand totals

Notes: Includes Ashburton, Fairlieburn, Waikato and Waikarepa main stations... Includes Ashburton, Fairlieburn, Waikato and Waikarepa main stations...

TABLE XIII.—AVERAGES DERIVED FROM PREVIOUS TABLES FOR THE YEAR ENDED 31ST MARCH, 1947—continued

Supply Authorities.	Capital Outlay.					Revenue from Sale of Electricity.					Working-costs.					Capital Charges.			Total Costs.		No.
	Per Head of Population.	Per Cent. of Consumer.	Per £1 of Revenue.	Per Unit sold (including Bulk Sales).	Per Unit sold (excluding Bulk Sales).	Per Unit sold (Domestic Supply).	Per Head of Population.	Per Retail Consumer.	Per kW. Maximum Demand.	Per kW. of Total Line.	Per Unit sold.	Per kW. Maximum Demand.	Per Cent. of Total Revenue.	Per Unit sold.	Per kW. Maximum Demand.	Per Cent. of Capital Outlay.	Per Unit sold.	Per kW. Maximum Demand.	Per Cent. of Distribution Capital.		
																				£(N.Z.)	
OTHER LOCAL AUTHORITIES—continued																					
1. Heathcote	13.28	26.78	1.44	0.827	6.327	2.887	3.88	18.60	65.30	800.24	0.775	11.49	108.82	0.078	1.00	15.70	0.95	12.64	174.41	1	
2. Kaitiaki	5.10	44.87	3.03	1.865	12.484	3.387	4.38	23.46	210.61	1.040	15.430	56.76	0.467	5.88	8.20	1.51	5.38	55.50	171.65	2	
3. Murchison	5.10	17.70	1.61	12.484	1.865	14.361	3.87	11.71	404.80	1.040	15.430	123.57	0.467	5.88	8.20	1.51	18.86	37.40	217.70	3	
4. Ōtautahi	4.78	18.20	1.23	1.100	1.100	1.361	3.87	11.71	404.80	1.040	15.430	123.57	0.467	5.88	8.20	1.51	18.86	37.40	217.70	4	
Totals	13.11	42.64	3.46	0.790	0.801	2.22	3.88	12.22	731.00	1.000	15.430	71.86	0.452	5.90	5.90	6.00	0.704	33.82	127.83	(m)	
Totals, other local authorities	13.11	42.64	3.46	0.790	0.801	2.22	3.88	12.22	731.00	1.000	15.430	71.86	0.452	5.90	5.90	6.00	0.704	33.82	127.83	(m)	
COMPANIES																					
1. Kameri Electric, Ltd.	24.10	73.36	4.44	0.841	2.058	2.058	5.40	27.58	530.60	0.056	11.08	77.44	0.173	2.920	4.64	0.829	14.60	80.50	80.50	1	
2. L. Keys, Kōhātū	21.66	82.14	5.45	11.064	4.483	11.064	3.00	15.08	475.60	11.064	11.08	100.00	3.365	6.17	8.67	3.802	11.994	96.55	96.55	2	
3. Recton Electric Light and Power Co., Ltd.	2.14	14.47	0.97	4.936	9.270	10.801	2.21	14.95	982.00	0.018	71.50	97.28	0.777	0.52	2.44	0.503	7.795	77.68	488.12	3	
4. Rawene Motors, Ltd.	57.84	1015.68	2.10	0.303	1.552	1.552	9.03	163.17	898.14	0.187	12.01	49.53	0.019	0.48	4.86	0.200	5.48	59.31	59.31	4	
5. Wilson's (N.Z.) Portland Cement, Ltd.	92.42	161.30	8.85	1.048	2.139	2.139	2.44	17.19	87.77	0.714	12.01	66.77	0.451	8.15	4.86	1.164	21.06	29.17	29.17	5	
6. Westland Power, Ltd.	27.21	135.22	3.61	0.670	0.691	0.691	4.80	23.89	390.24	0.282	12.01	66.77	0.451	8.15	4.86	0.323	21.06	29.17	29.17	6	
Totals	34.11	121.07	6.16	0.810	2.058	2.22	3.97	13.83	310.80	0.351	11.08	62.55	0.175	2.920	4.64	0.504	14.60	80.50	22.21	(m)	
Grand totals, 1947	31.42	111.90	5.60	0.826	0.826	0.826	3.88	13.88	308.00	0.351	11.08	62.55	0.175	2.920	4.64	0.504	14.60	80.50	22.21	(m)	
"	30.64	102.91	5.28	0.839	0.839	0.839	4.07	13.81	300.80	0.350	11.08	56.17	0.170	2.920	4.64	0.503	14.60	80.50	22.21	(m)	
"	28.95	98.00	5.20	0.840	0.840	0.840	3.00	12.51	288.67	0.329	11.08	55.17	0.174	2.920	4.64	0.503	14.60	80.50	22.21	(m)	
"	27.86	95.91	5.42	0.853	0.853	0.853	3.73	11.86	280.01	0.323	11.08	54.46	0.183	2.920	4.64	0.503	14.60	80.50	22.21	(m)	
"	26.60	96.19	5.42	0.863	0.863	0.863	3.60	11.54	277.08	0.343	11.08	56.52	0.181	2.920	4.64	0.525	14.60	80.50	22.21	(m)	
"	26.31	93.96	5.24	0.863	0.863	0.863	3.54	11.74	280.97	0.343	11.08	56.52	0.181	2.920	4.64	0.525	14.60	80.50	22.21	(m)	
"	25.60	92.11	5.61	0.937	0.937	0.937	3.35	11.10	256.00	0.343	11.08	56.52	0.181	2.920	4.64	0.525	14.60	80.50	22.21	(m)	

Average Revenue per Unit (kWh) sold for all purposes for Year ended 31st March, 1947: 0.819d.

NOTES.—(a) Gross revenue, excluding bulk sales, rates, feed-back refunds, and standby charges. (b) Revenue from retail sales plus bulk sales. (c) Derived from items 7 and 11, Table XIII. (d) Derived from items 12 and 15 and 11, Table XIII. (e) Derived from items 6 and 11, Table XIII. (f) Derived from items 5 and 16, Table XIII. (g) Derived from items 5 and 18, Table XIII. (h) Derived from items 5 and 14, Table XIII. (i) Derived from items 5 and 10, Table XIII. (j) Derived from items 5 and 7, Table XIII. (k) Derived from items 2 and 7, Table XIII. (l) Derived from items 1 and 7, Table XIII. (m) Revenue from retail sales divided by total units sold. (n) Excluding costs of generating feed back. (o) Excluding costs of generating feed back. (p) Derived from items 12 and 14, Table XIII. (q) Including costs of generating feed back. (r) Derived from items 8 and 17, Table XIII. (s) Derived from items 5 and 17, Table XIII. (t) Includes Arapuni, Horahora, Manganui, and Waikaremoana main stations and Huntly, King's Wharf, and Penrose standby stations, all interconnected. (u) Includes Coleidge, Waitaki, Arnold, Monowai, and Highbank main stations and Dobson standby station, all interconnected. (v) Includes Penrose standby station, all interconnected. (w) No returns received. (x) Not actually functioning.

TABLE XIII.A.—SUMMARY OF TOTALS FROM TABLES IX, X, AND XI

No.	Item.	State Hydro-electric Department.	Electric-power Boards.	Other Local Authorities.				Companies.	Total, all Supply Authorities.	No.
				City Councils.	Borough Councils.	Town Boards.	County Councils.				Total.
1	Population in area of supply	Number.	Number.	Number.	Number.	Number.	Number.	Number.	1	
2	Number of consumers	49,900	1,092,320	2,670	6,350	612,950	8,030	1,763,200	2	
3	Units generated	14,119	298,887	795	1,651	188,490	1,616	493,112	3	
4	Units sold retail	2,203,807,654	57,034,271	43,243,983	830,205	232,525,555	34,847,211	2,528,214,691	4	
5	Units sold (bulk plus retail)	125,712,330	1,167,532,090	142,539,168	5,328,063	689,932,216	14,696,587	1,997,873,223	5	
6	Route-miles of lines	2,082,903,635	1,286,362,527	2,089,702	5,328,063	706,183,074	34,569,879	4,110,019,115	6	
		5,749	22,334	71	46	3,181	155	31,419		
7	Capital outlay	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	7	
8	Capital outlay on transmission and distribution systems	34,350,661	17,541,050	31,929	1,764,068	8,036,545	218,521	60,146,777	8	
9	Revenue (retail sales)	16,205,841	16,363,566	30,854	1,536,306	6,220,043	72,909	138,862,359	9	
10	Revenue (bulk sales)	359,441	4,116,879	11,224	596,422	2,302,637	38,612	6,817,569	10	
11	Revenue (retail plus bulk sales)	2,707,601	195,402	7,851	7,851	22,702	21,871	2,947,576	11	
12	Gross revenue (excluding rates)	3,067,042	4,312,281	11,224	604,273	2,325,339	60,483	9,765,145	12	
13	Gross revenue (less revenue from bulk sales, feed back, and standby charges)	3,109,576	4,460,513	11,980	657,285	2,780,405	61,235	10,411,729	13	
14	Working-costs (including cost of generating feed back)	401,975	4,205,229	11,980	613,350	2,346,788	39,364	6,993,356	14	
15	Working-costs (excluding cost of generating feed back)	1,530,384	2,946,192	9,223	461,723	1,998,115	37,764	6,512,455	15	
16	Capital charges	1,059,587	2,902,809	9,223	447,915	1,625,759	37,764	5,625,919	16	
17	Total costs (including cost of generating feed back)	1,411,292	1,137,337	1,911	96,512	446,635	8,731	3,003,995	17	
18	Total costs (excluding cost of generating feed back)	2,941,676	4,983,529	11,134	558,235	2,444,750	46,495	9,516,450	18	
		2,470,879	4,040,146	11,134	544,427	2,072,394	46,495	8,629,914		

TABLE XIV.—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES

Supply Authorities.	Population included in Area of Supply.	Ratio of Consumers to Population in Area of Supply.		Consumers.			Ranges.			Water-heaters.			Milk-machines.		Consumers per Route-mile of Line.	
		Number.	Per Cent.	Domestic.	Commercial.	Total.	Under 5 Kilowatts.	5 Kilowatts and over.	Total.	Total Kilowatts.	Ratio, Total Number of Ranges to Domestic Consumers.	Number.	Total Kilowatts.	Ratio, Number of Water-heaters to Total Number of Consumers.		Number.	H.P.
STATE HYDRO-ELECTRIC DEPARTMENT																
North Island	49,900	27.36	435	11,912	1,739	13,651	410	2,403	2,813	17,339	23.61	2,109	2,352	15.45	1,592	2,521
South Island	49,900	28.20	12,347	1,772	14,119	400	2,835	3,295	20,243	26.60	2,658	3,057	18.82	1,592	2,521	2.40
Totals																
POWER BOARDS																
Ashburton	19,000	27.50	4,580	644	5,224	1,768	488	2,256	4,995	49.26	1,983	3,652	37.96	158	168	4.90
Auckland	263,400	29.13	63,373	13,361	76,734	27,646	27,646	27,646	225,812	43.62	33,944	24,762	44.24	954	1,908	56.45
Banks Peninsula	3,490	35.42	1,171	65	1,236	260	368	628	3,117	53.63	459	713	37.14	168	129	5.56
Bay of Islands	31,600	11.72	3,199	503	3,702	146	982	1,128	6,563	36.26	1,600	1,157	43.20	765	1,035	5.50
Bay of Plenty	17,600	15.82	2,340	423	2,769	147	996	1,143	6,841	48.72	1,874	1,494	67.68	816	1,043	8.20
Buller's	7,870	27.93	1,932	266	2,198	33	513	546	3,284	28.21	1,095	1,304	49.82	454	550	10.37
Cambridge	10,350	23.09	2,051	401	2,452	255	834	1,089	6,293	53.06	989	1,188	40.33	192	236	6.59
Central Hawke's Bay	33,800	26.42	8,156	775	8,931	556	2,122	2,678	15,662	32.84	4,732	3,744	52.87	2,229	3,310	9.12
Central Waikato	12,150	28.32	2,881	560	3,441	198	746	944	5,290	30.68	1,186	991	34.47	534	806	9.08
Dannevirke	24,300	25.91	5,669	627	6,296	681	2,517	3,198	16,346	56.41	4,878	3,476	77.49	2,563	2,902	7.59
Franklin	3,210	20.78	577	90	667	103	113	216	899	37.44	278	193	41.68	154	125	6.38
Golden Bay	18,780	31.25	5,003	865	5,868	172	4,392	4,564	37,327	26.04	796	906	13.57	76	78	21.30
Havelock	37,100	27.68	9,255	1,012	10,267	757	2,536	3,293	18,195	51.90	4,501	4,150	43.83	424	437	18.05
Hawke's Bay	20,800	35.23	6,344	807	7,151	757	2,536	3,293	18,195	51.90	4,501	4,150	43.83	424	437	18.05
Horowhenua	73,300	27.90	18,814	1,637	20,451	216	8,597	8,813	60,827	46.84	9,743	7,220	47.64	137	1,143	17.36
Hutt Valley	8,600	3.01	222	37	259	99	6	6	42	2.70	13	12	5.02	14	16	54.26
King-country ²	4,540	18.35	754	79	833	236	137	236	1,055	31.30	113	217	13.57	9	7	7.62
Malvern	23,100	28.09	6,169	319	6,488	21	2,083	2,104	14,435	34.11	3,000	2,053	46.23	1,769	2,359	4.28
Manawatu-Oroua	15,900	24.93	3,353	610	3,963	276	701	977	5,875	29.14	543	507	13.70	160	217	9.17
Marlborough	26,700	22.74	5,235	836	6,071	1,923	1,923	1,923	11,098	31.73	3,969	2,758	65.38	2,037	2,730	12.84
North Auckland	15,000	29.23	3,983	4,382	4,382	495	863	1,358	7,352	34.10	1,221	1,972	27.85	311	228	5.97
North Canterbury	5,790	25.58	1,293	188	1,481	116	434	550	3,261	42.54	883	757	59.62	480	593	7.48
Punaka	25,300	23.09	4,751	1,090	5,841	134	708	842	5,041	17.72	804	1,137	13.77	197	273	7.36
Waigo	8,190	28.50	2,034	300	2,334	116	530	646	3,691	31.76	699	708	29.95	46	57	5.69
Waigo Central	33,600	21.38	5,738	1,447	7,185	2,591	2,591	2,591	16,073	45.16	2,569	2,153	35.76	331	282	15.27
Waiverua Bay	25,400	23.50	5,217	754	5,971	38	1,111	1,209	7,864	23.17	1,003	1,354	16.80	263	216	6.43
South Canterbury	16,150	28.24	3,687	4,560	4,560	147	1,260	1,407	8,769	38.16	2,247	1,524	49.28	1,031	1,315	12.35
Springs-Taranaki	13,850	24.05	3,021	3,331	3,331	444	881	1,275	6,346	42.21	1,180	1,553	35.73	328	285	8.23
Taranaki	14,250	23.75	3,170	3,385	3,385	18	899	917	6,279	22.93	1,778	1,388	52.63	1,473	2,386	7.01
Taranaki	9,370	25.09	1,971	380	2,351	445	1,192	1,192	5,902	60.48	1,595	841	47.90	525	605	6.00
Tauranga	13,900	20.91	2,920	248	3,168	273	1,588	1,871	11,626	64.08	2,565	2,082	81.94	925	1,171	4.66
Te Awamutu	14,150	21.92	2,602	3,102	3,102	442	930	1,372	6,685	52.73	1,872	1,638	60.35	960	1,420	8.12
Teviot	1,690	33.37	402	563	563	42	242	284	1,713	70.65	247	214	43.80	4	2	7.83
Thames Valley	44,100	26.43	10,569	1,086	11,655	100	4,086	4,186	30,557	39.51	7,349	6,290	63.05	3,720	6,224	10.79
Waimea	16,900	26.19	3,670	755	4,425	183	1,077	1,260	7,731	34.33	1,177	1,073	26.59	297	151	17.43

(For notes, see page 17.)

TABLE XIV.—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES—continued

Supply Authorities.	Population included in Area of Supply.	Ratio of Consumers to Population in Area of Supply.	Consumers.			Ranges.			Water-heaters.			Milkings-machines.		Consumers per Route-mile of Line.	
			Domestic.	Commercial.	Total.	Under 5 Kilowatts.	5 Kilowatts and over.	Total.	Total Kilowatts.	Ratio, Total Number of Ranges to Domestic Consumers.	Number.	Total Kilowatts.	Ratio, Number of Water-heaters to Total Number of Consumers.		Number.	Horse-power.
OVER BOARDS—continued															
Wairarapa ..	25,300	26.55	5,575	1,141	6,716	485	2,053	2,538	15,377	2,567	38.22	794	1,091	10.24	
Waikare ..	3,000	22.63	601	78	679	72	282	354	2,042	238	56.11	210	247	3.38	
Waioke ..	8,340	7.52	536	91	627	54	183	237	1,427	269	42.90	151	161	5.29	
Waikato ..	17,600	30.83	4,595	831	5,426	302	1,855	2,157	13,707	2,326	42.88	103	82	9.36	
Waitemata ..	65,900	32.05	18,536	2,585	21,121	90	8,857	8,947	54,685	8,640	48.27	2,369	1,557	15.55	
Waitemoa ..	11,700	21.94	2,107	460	2,567	96	1,060	1,156	7,333	1,270	25.41	452	680	56.08	
Wangunu-Rangitikei ..	47,850	27.21	10,713	2,303	13,016	..	3,060	3,060	20,188	3,890	29.88	1,293	1,440	13.08	
Totals ..	1,092,320	26.45	248,775	40,112	288,887	9,780	94,260	104,040	695,453	124,848	41.82	30,697	39,565	12.93	
OTHER LOCAL AUTHORITIES															
City Councils															
Christchurch ..	142,300	30.98	38,095	5,989	44,084	796	20,718	21,514	147,392	19,029	56.47	145	110	84.16	
Dunedin ..	94,900	29.81	25,089	3,232	28,321	1,404	4,635	6,039	33,227	10,511	24.10	245	337	43.55	
Hamilton ..	22,600	30.64	5,091	1,509	6,600	290	1,019	1,309	7,473	1,955	25.71	..	..	41.44
Invercargill ..	23,600	32.00	6,492	1,059	7,551	349	214	563	1,677	605	8.67	..	..	63.69
Nelson ..	14,000	29.56	3,509	633	4,142	50	415	465	2,600	1,111	13.25	..	..	64.55
Palmerston North ..	27,100	31.51	7,225	1,314	8,539	155	2,530	2,685	16,133	3,612	37.16	3	6	86.12	
Wellington ..	129,700	31.07	32,595	7,700	40,295	429	5,478	5,907	39,246	12,002	18.12	30	31	123.68	
Totals ..	453,800	32.02	118,066	21,436	139,502	3,473	35,009	38,482	247,748	48,825	32.59	423	493	77.99	
Borough Councils															
Bluff ..	2,140	30.23	523	124	647	14	14	28	110	24	5.35	..	..	55.11
Ngawood ..	1,340	36.42	362	126	488	7	123	130	870	123	35.91	4	5	51.59	
Shiraz ..	1,800	33.83	520	89	609	117	151	268	1,271	146	23.97	2	1	44.41	
Winton ..	3,200	39.23	1,235	44	1,279	..	261	261	1,740	203	15.87	3	2	89.07	
Waverley ..	15,950	31.75	3,999	1,065	5,064	34	933	967	6,870	1,742	34.40	..	..	115.09
New Plymouth ..	27,400	29.66	6,971	1,157	8,128	407	3,378	3,785	20,745	4,125	50.75	847	1,206	21.10	
Ohakune ..	2,280	27.85	475	160	635	36	62	98	500	83	13.07	16	21	27.25	
Patea ..	1,980	27.22	514	25	539	38	201	239	1,610	224	46.60	25	22	19.64	
Picton ..	1,630	31.23	410	99	509	4	14	18	95	1	4.39	..	..	48.48
Rangitikei ..	2,350	20.85	388	102	490	21	34	55	308	77	14.18	..	..	17.50
Rangiora ..	2,490	36.30	787	117	904	5	222	227	1,484	326	28.84	..	..	65.25
Ticcarton ..	8,180	27.14	2,106	114	2,220	45	1,185	1,230	8,139	1,301	58.41	..	..	92.50
Ross ..	13,650	31.85	3,493	823	4,316	198	969	1,167	6,722	1,310	38.41	391	441	23.33	
Totara Electric Supply ..	4,030	32.56	997	1,312	2,309	7	406	413	3,132	1,310	41.42	7	8	51.19	
Wairarapa ..	2,270	31.59	530	187	717	19	111	130	840	101	14.09	2	1	68.29	
Wairarapa ..	2,800	40.86	982	164	1,146	53	155	208	1,183	137	11.94	12	15	44.77	
Wairarapa ..	5,170	35.98	1,500	360	1,860	115	1,007	1,122	8,070	1,208	74.80	..	..	97.89

TABLE XIV.—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES—continued

Supply Authorities.	Population included in Area of Supply.		Ratio of Consumers to Population in Area of Supply.		Consumers.			Ranges.				Water-heaters.			Milk-machines.		Consumers per Route-mile of Line.
	Number.	Per Cent.	Domestic.	Commercial.	Total.	Under 5 Kilowatts.	5 Kilowatts and over.	Total.	Total Kilowatts.	Ratio, Total Number of Ranges to Domestic Consumers.	Number.	Total Kilowatts.	Ratio, Number of Water-heaters to Total Number of Consumers.	Number.	Horse-power.		
																Number.	
23. Waioa.	3,020	31.56	691	262	953	21	368	389	2,609	56.29	404	244	42.39	3	2	48.38	
24. Waitara	2,470	31.94	632	157	789	95	199	294	1,571	46.52	224	172	28.39	10	9	61.88	
25. Westport	5,700	29.33	1,321	351	1,672	6	13	19	112	1.44	71	61	4.25	22	10	43.25	
26. Whakatane	2,990	27.16	695	117	812	60	345	405	2,190	58.27	361	233	44.46	14	7	41.64	
27. Whangarei	9,970	31.13	2,508	596	3,104	35	915	950	5,226	37.88	859	575	26.67	17	25	50.76	
Totals	150,130	31.00	38,227	8,315	46,542	1,533	13,115	14,648	89,030	38.32	15,718	13,553	29.61	1,817	1,921	38.75	
<i>Town Boards</i>																	
1. Kaponga	1,630	28.09	378	80	458	52	110	162	879	42.86	239	195	52.18	181	272	8.48	
2. Mangaweka	290	50.69	108	39	147	8	40	48	257	44.44	48	32	32.65	5	8	12.25	
3. Manunui	750	25.33	162	28	190	1	1	2	8	1.24	..	..	..	5	4	36.00
Totals	2,670	29.78	648	147	795	61	151	212	1,144	32.71	287	227	36.10	191	284	11.20	
<i>County Councils</i>																	
1. Heathcote	3,680	26.96	987	5	992	55	572	627	3,347	63.53	698	709	70.36	8	4	58.01	
2. Kaikoura	1,600	21.66	241	75	316	8	2	10	27	4.15	..	..	..	5	3	37.18
3. Murchison	750	29.60	195	27	222	20	15	35	114	17.95	..	..	..	30	31	14.23
4. Uruwā	420	28.81	99	22	121	..	..	..	..	..	..	..	..	..	..	34.57
Totals	6,350	26.00	1,522	129	1,651	83	589	672	3,488	44.15	736	741	44.58	43	38	35.89	
Totals, other local authorities	612,950	30.75	158,463	30,027	188,490	5,150	48,864	54,014	341,410	34.09	65,566	65,388	34.78	2,474	2,736	59.25	
<i>COMPANIES</i>																	
1. Kaniere Electric, Ltd. ⁴	2,980	32.85	711	268	979	33	147	180	1,182	25.32	105	111	10.73	..	..	32.63
2. L. Keys, Kohukohu	240	26.25	63	..	63	3	..	3	6	4.76	3	2	4.76	..	..	31.50
3. Reefion Electric Light and Power Co., Ltd. ⁵	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Rawene Motors, Ltd.	400	14.75	39	20	59	..	..	..	..	..	..	..	..	..	..	59.00
5. Wilson's (N.Z.) Portland Cement, Ltd.	1,180	5.76	60	7	67	..	..	..	..	..	..	..	..	..	..	1.78
6. Westland Power, Ltd. ⁴	3,230	13.90	363	85	448	15	44	59	352	16.25	72	76	16.03	60	80	5.36	
Totals	8,030	20.12	1,236	380	1,616	72	214	286	1,731	23.14	247	244	15.28	94	147	9.85	
Grand totals	1,763,200	27.97	420,821	72,291	493,112	15,462	146,173	161,635	1,058,897	38.40	193,319	172,576	39.20	34,857	44,969	15.69	

¹ Complete returns unavailable.

² No return received.

³ For year ended 31st December, 1946.

⁴ Taken over by Grey Electric-power Board, 11th November, 1946.

Ratio of domestic consumers to total consumers = 85.33 per cent.

13,000 | 23.53 | 4,994 | 1,104 | 9,691 | 70 | 1,363 | 1,433 | 8,806 | 31.45 | 1,479 | 2,272 | 26.13 | 77.69

(For notes, see page 17.)

TABLE XVII.—STATISTICS RELATING TO ELECTRICAL WIREMEN'S REGISTRATION BOARD FOR YEAR
MARCH, 1947

(The figures in parentheses are for the previous year)

1. Number of Wiremen's Registration Board meetings: 24 (23); includes 9 emergency Committee meetings on rehabilitation
2. Registrations—

	During Year.	Total.	
Inspectors	67 (41)	882 (815)	48
Electrical wiremen	242 (188)	4,932 (4,690)	4,74
Electrical servicemen, Class "D"	12 (9)	106 (94)	9
Electrical servicemen, Class "E" (including radio)	67 (56)	195 (128)	13
Electrical servicemen, Class "E" (excluding radio) .. .. .	.. (2)	33 (33)	3
Limited registration	33* (65)	1,262† (1,229)	1,00
Provisional licences	16 (6)	869 (853)	
Temporary permits	1 (..)	131 (130)	
Registrations after periodical purging	11 (8)	327 (316)	
	Candidates.	Passed, Per Cent	High
3. Examinations—			
Wiremen—			
Written	843 (540)	37 (41)	
Practical	579 (304)	63 (73)	
Servicemen—			
Written	646 (747)	41 (34)	
Practical	365 (369)	57 (64)	

4. Defective work reports: 15 (12); endorsements made, 4 (1); endorsements removed, Nil (Nil).
5. Breach of Act reports: 37 (41); prosecutions authorized, 20 (26).

* Includes radio experimenters, 8; radio apparatus, 11; secondary side radio sets, 3; operation of motion and sound pictures, 2; railways, 1; adding-machines, 1; power-houses and substations, 1. † Includes radio servicemen registered prior to the introduction of examinations for electrical servicemen, Class "E," and other miscellaneous registrations.