

## NEW ZEALAND

# 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	96,635	- 1,355
(c) Total connected load (excluding bulk supply)	kW.	3,399,258	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.				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	142,090,046	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)						3,399,258kW.
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 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, Moi (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 ..	£	£
Assets not in operation ..	8,538,323	1,222,863	9,761,186	Transfer from Reserve ..	56,670	284,972
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 Fund not yet appropriated ..	692,408	148,268

### 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 ..
Average load (kilowatts)—			South Island system ..
North Island system ..	..	188,989	Per unit output—
South Island system ..	..	79,346	North Island system ..
Average load factor—			South Island system ..
North Island system ..	..	Per Cent.	Per unit distributed—
South Island system ..	..	60.03	North Island system ..
		57.92	South Island system ..
Units output (generated and purchased)—			Per unit sold—
North Island system ..	..	1,655,547,525	North Island system ..
South Island system ..	..	695,072,626	South Island system ..
		2,350,620,151	Working-costs—
Combined ..	..		Per kilowatt (system maximum)—
Units distributed—			North Island system ..
Units sold—			South Island system ..
North Island system ..	..	1,473,579,832	Per unit output—
South Island system ..	..	609,323,803	North Island system ..
			South Island system ..
Combined ..	..	2,082,903,635	Per unit distributed—
Units unsold (used free of charge)—			North Island system ..
North Island system ..	..	9,382,913	South Island system ..
South Island system ..	..	6,052,286	Per unit sold—
		16,335,199	North Island system ..
Combined ..	..		South Island system ..
Total units distributed, North Island system ..	..	1,482,962,745	Capital charges—
Total units distributed, South Island system ..	..	616,276,089	Per kilowatt (system maximum)—
			North Island system ..
Combined ..	..	2,099,238,834	South Island system ..
Line losses—			Per unit output—
Transmission and distribution—	Units.	Per Cent.	North Island system ..
North Island system ..	172,584,780	10.42	South Island system ..
South Island system ..	78,796,537	11.34	Per unit distributed—
			North Island system ..
Combined ..	251,381,317	10.69	South Island system ..
			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) .....	276,000	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) .....	346,600	Cobb .....	80,257	
Karapiro .....	1,107,705			
Maraetai .....	276,195			
				4,773,268
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 .....	795,369	
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 .....	139,383	
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.
(a) Hydro stations	£	d.	d.	d.	£	d.	d.	d.
(b) Fuel stations	123,600	0.0202			64,381	0.0227		
(c) Auxiliary stations, power purchased, and standby provision	195,321	0.8232			24,655	1.5046		
Generated and purchased	474,123	0.8304			45,982	1.1286		
	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

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

Capacity of Generating Plant.										Secondary Distribution.		Primary Distribution.			
Source of Supply.		Supply Contracted.		Main Plant.		Standby Plant.		Total Capacity.		Generation.		Transmission.			
K.W.	kW.	kW.	kW.	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA		
G.N.	10112	..	980	..	..	..	..	300 D.C.	300 D.C.	..	..	400/230 A.C.	400/230 A.C.		
G.S.	1025	..	..	486	..	..	..	850	850	..	..	440/220 D.C.	440/220 D.C.		
G.N.	1020	..	..	..	..	..	..	..	..	..	..	415/240 A.C.	415/240 A.C.		
G.S.	1022	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	314 7,765		
G.N.	1027	4,800	..	..	4,800	5,400	..	..	..	..	..	415/250 A.C.	507 4,304		
G.N.	1025	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	410 4,547		
G.N.	1026	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	453 6,218		
G.N.	1021	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	323 7,222		
I.	1024	750	..	..	..	750	1,005	..	..	..	..	400/230 A.C.	176 1,287		
G.N.	1021	..	..	..	..	..	..	..	..	..	..	400/240 A.C.	682 10,318		
G.S.	1033	250	..	..	..	..	..	..	..	..	..	400/230 A.C.	208 1,060		
G.N.	1023	837	..	..	..	..	..	..	..	..	..	400/230 A.C.	322 1,055		
I.	1026	634	..	..	..	634	780	..	..	..	..	400/230 A.C.	11,000		
G.N.	1023	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	11,000		
G.S.	1026	120	..	..	102	..	..	..	..	..	..	400/230 A.C.	11,000		
G.N.	1026	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	11,000		
G.N.	1024	..	1,500	..	..	..	..	..	..	..	..	400/230 A.C.	11,000		
..	..	11,604	1,687	4,071	8,314	9,826	9,198	11,391	17,422	21,217	..	..	18,080 612,201		
G.S.	1003	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	503 70,712		
I. & G.S.	1007	23,400	1,875	800	23,400	20,250	..	..	25,275	31,500	..	..	400/230 A.C.	900 40,666	
G.N.	1013	..	1,455	..	..	..	..	..	1,525	1,850	..	..	400/230 A.C.	46 7,350	
G.S.	1014	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	86 5,878		
B.	1023	..	1,250	..	..	..	..	..	1,250	1,561	..	..	400/240 A.C.	11,000	
B.	1024	..	25,000	..	..	..	..	..	..	2,816	3,820	..	..	400/230 A.C.	3,300
G.N.	1085	..	..	..	..	..	..	..	..	25,000	31,000	..	..	400/230 A.C.	11,000
..	..	23,400	20,650	3,676	23,400	20,250	..	..	..	33,326	41,131	..	..	..	1,807 220,746
G.S.	1003	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	24 1,858		
R.	1005	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	24 1,445		
G.S.	1017	..	..	..	..	..	..	..	..	..	..	415/240 A.C.	4 375		
G.S.	1017	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	10 1,160		
B.	1013	..	..	..	..	..	..	..	..	..	..	400/230 A.C.	40 6,046		
G.N.	1006	3,700	..	..	..	..	..	..	..	..	..	400/230 A.C.	303 14,305		
G.N.	1014	88	..	..	..	..	..	..	..	..	..	400/230 A.C.	51 23		
I. & B.	1001	88	..	..	..	..	..	..	..	..	..	415/240 A.C.	40 954		
I.	1017	10	..	..	..	..	..	..	..	..	..	400/230 D.C.	11 27		
I.	1017	326	..	..	..	..	..	..	..	..	..	400/230 D.C.	10 11		
I.	1017	326	..	..	..	..	..	..	..	..	..	400/230 D.C.	10 11		
I.	1017	326	..	..	..	..	..	..	..	..	..	400/230 D.C.	10 11		
I.	1017	326	..	..	..	..	..	..	..	..	..	400/230 D.C.	14 11		

For notes see note (1).

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

Authorities.	Year when Supply commenced.	Capacity of Generating Plant.						Static Head, in Feet.	Transmission.	Primary Distribution.	Secondary Distribution.	Number.	Total: Miles of Lines.	Route No.	Distribution Transformers.		
		K.W. Water	K.W. Steam.	K.W. Oil.	K.W. Main Plant.	K.W. Standby Plant.	K.W. Total Capacity.										
authorities—contd.																	
G.S.	1910	..	..	..	..	..	..										
G.N.	1901	..	..	..	..	..	..										
B.	1898	160	..	..	..	..	..										
B.	1913	..	..	..	..	..	..										
G.N.	1924	425	..	..	..	425	500										
I. & G.N.	1915	3,440	..	..	..	3,440	4,300										
B.	1906	138	..	..	..	..	..										
B.	1921	..	..	..	..	..	..										
B.	1914	100	..	..	..	..	..										
G.S.	1908	..	..	..	..	..	..										
G.N.	1913	..	..	..	..	..	..										
B.	1917	200	..	..	..	..	..										
B.	1926	..	..	..	..	..	..										
B.	1922	..	..	..	..	..	..										
B.	1915	..	..	..	..	..	..										
B.	..	8,774	..	..	..	..	..										
Borrows	..	..	..	..	..	..	..										
B.	1916	..	..	..	..	..	..										
B.	1913	..	..	..	..	..	..										
B.	1920	..	..	..	..	..	..										
Councils	..	..	..	..	..	..	..										
G.S.	1914	..	..	..	..	..	..										
I.	1922	..	..	..	..	..	..										
I.	1922	80	..	..	..	80	80										
I.	1925	..	..	..	..	30	30										
I.	..	..	..	..	..	..	..										
her local authorities	32,254	20,050	4,706	28,146	35,137	38,654	47,390	60,700	82,623	..	..	..	..	..	3,015	301,325	3,176
															1,000	1,000	1

RESULTS OF "GENERATION" DISTRIBUTION AND CONSUMPTION FOR THE YEAR ENTENDING 31ST MARCH

ITION FOR THE YEAR ENDED 31ST MARCH, 1947—*continued*

Units sold per head of population ..... 1.123  
 Based on total units sold to ultimate consumers (1,997,873,223).

TABLE XI.—CAPITAL OUTLAY, FINANCIAL RESULTS OF GENERATION, DISTRIBUTION, AND OPERATION FOR THE YEAR ENDED 31ST MARCH, 1947\*—continued

Supply Authorities.	Capital Outlay.	Revenue.						Working Costs.						Capital Charges.						Net Results.					
		Sales of Energy.		Feedback and Standby Charges.	Built-for Resale, (excluding Feed-back).	Retail.	Other Sources (excluding Rates).	Cost of Power.		Transmis-sion and Distribution <sup>1</sup> .	Management and General.	Total.	Interest.	Sinking Fund.	Deprecia-tion.	Other.	Total.	Annual Costs.	Surplus.	Deficit.	No. of Authorities				
		£(N.Z.)	£(N.Z.)					£(N.Z.)	£(N.Z.)					£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)						
OTHER LOCAL AUTHORITIES—old	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)			
1. Bluff Borough Council	10,390	8,843	5,000	10,807	5,005	5,000	10,807	14	9,711	5,971	1,081	1,070	4,725	303	340	100	102	995	1,775	1,736	1	2			
2. Invercargill	16,039	12,325	5,368	16,039	5,015	5,368	16,039	14	12,081	3,339	1,073	1,073	5,725	240	248	131	131	619	6,314	5,947	3	3			
3. Kapiti Coast District Council	13,070	10,070	5,230	13,070	5,015	5,230	13,070	14	10,981	5,648	4,804	4,804	10,835	111	233	361	361	10,791	15,775	13,311	4	4			
4. Lyttelton	130,706	134,032	62,070	130,706	62,070	62,070	130,706	14	13,883	2,171	2,171	2,171	24,267	6,222	5,441	42,984	5,690	2,554	1,083	1,083	1,083	6	6		
5. Napier	411,973	190,703	118,413	411,973	118,413	118,413	411,973	14	10,054	1,906	10,700	10,700	53,560	36,046	7,739	100,582	8,804	2,001	1,001	1,001	1,001	7	7		
6. New Plymouth	12,0004	6,776	6,443	12,0004	6,776	6,443	12,0004	14	3,101	765	2,562	2,562	10,875	3,101	2,562	8,804	1,669	1,623	1,623	1,623	1,623	8	8		
7. Ohakune	22,554	8,707	7,080	22,554	8,707	8,707	22,554	14	3,101	765	2,562	2,562	10,875	3,101	2,562	8,804	1,669	1,623	1,623	1,623	1,623	8	8		
8. Patea	17,371	9,371	7,080	17,371	9,371	7,080	17,371	14	3,101	765	2,562	2,562	10,875	3,101	2,562	8,804	1,669	1,623	1,623	1,623	1,623	8	8		
9. Picton	25,006	16,157	6,004	25,006	16,157	6,004	25,006	14	511	51	10,258	10,258	10,258	10,258	10,258	10,258	10,258	10,258	10,258	10,258	10,258	10	10		
10. Rarotonga	12,012	7,725	7,800	12,012	7,725	7,800	12,012	14	57	27,841	..	..	..	10,000	3,976	1,359	24,305	800	1,077	339	339	339	12	12	
11. Rangiora	68,300	25,861	27,045	68,300	25,861	27,045	68,300	14	1,181	55,889	..	..	..	21,553	13,803	5,706	41,003	2,537	2,537	2,537	2,537	2,537	13	13	
12. Riccarton	146,900	55,690	55,690	146,900	55,690	55,690	146,900	14	10,054	1,054	10,054	10,054	7,529	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	14	14		
13. Ross	170,000	146,900	55,690	170,000	146,900	55,690	170,000	14	10,054	1,054	10,054	10,054	7,529	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	15	15		
14. Rotomahana Electric Supply	142,313	18,035	18,035	142,313	18,035	18,035	142,313	14	62	60	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	16	16		
15. Stratford	12,536	4,860	9,312	12,536	4,860	9,312	12,536	14	6050	6,050	40	40	31,140	5,820	1,054	1,054	1,054	1,054	1,054	1,054	1,054	17	17		
16. Taumarunui	88,220	40,810	16,081	88,220	40,810	16,081	88,220	14	53,937	7,051	61	61	9,060	2,110	6,458	11,422	4,245	3,283	500	500	500	18	18		
17. Taitāmāru	19,211	9,712	5,395	19,211	9,712	5,395	19,211	14	389	144	227	227	11,251	3,818	5,019	3,029	885	1,822	178	178	178	19	19		
18. Tauranga	22,077	4,785	4,785	22,077	4,785	4,785	22,077	14	389	144	227	227	11,251	2,710	2,710	2,710	470	3,787	221	221	221	221	20	20	
19. Te Aroha	10,021	10,221	10,221	10,021	10,221	10,221	10,021	14	5128	5,128	158	158	375	7,888	7,888	7,888	7,888	7,888	7,888	7,888	7,888	21	21		
20. Te Ruke	5,305	5,000	5,000	5,305	5,000	5,000	5,305	14	1,128	1,128	1,128	1,128	10,300	421	840	10,300	3,006	2,600	1,061	12,110	438	220	220	220	
21. Thawea	31,053	14,267	18,272	31,053	14,267	18,272	31,053	14	158	788	181	181	10,260	36,174	10,906	12,601	12,601	12,601	12,601	12,601	12,601	12,601	12,601	22	22
22. Tinharu	15,713	10,052	17,540	15,713	10,052	17,540	15,713	14	8,314	2,621	78	78	10,260	1,054	9,474	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	23	23
23. Waitomo	10,454	5,303	8,314	10,454	5,303	8,314	10,454	14	2,621	2,621	6,578	6,578	10,260	3,006	3,006	3,006	7,888	5,886	2,550	1,443	1,443	1,443	24	24	
24. Waitara	46,021	21,003	18,573	46,021	21,003	18,573	46,021	14	663	740	663	663	10,260	489	7,885	4,322	1,830	1,028	1,028	1,028	1,028	25	25		
25. Westport	45,276	26,048	14,107	45,276	26,048	14,107	45,276	14	563	14,310	14,310	14,310	10,260	1,054	1,054	1,054	1,054	1,054	1,054	1,054	1,054	26	26		
26. Whakatane	134,102	23,804	40,128	134,102	23,804	40,128	134,102	14	1,307	108	45,643	45,643	10,260	18,329	3,055	8,150	29,504	1,020	481	3,107	7,348	7,348	27	27	
Totals	1,764,068	882,681	506,422	7,853	30,084	8,037	7,853	14	657,285	13,908	13,908	13,908	255,806	115,085	60,049	401,723	37,074	22,053	8,790	27,686	91,757	707	..	..	
Total Authorities	1,764,068	882,681	506,422	7,853	30,084	8,037	7,853	14	657,285	13,908	13,908	13,908	255,806	115,085	60,049	401,723	37,074	22,053	8,790	27,686	91,757	707	..	..	
Town Boards																									
1. Kaituna	24,443	11,147	8,719	24,443	11,147	8,719	24,443	14	888	3	512	512	11,080	4,264	1,054	1,054	6,554	406	510	1,243	7,707	1,013	548	1,062	1
2. Mangawhai	4,090	2,150	1,506	4,090	2,150	1,506	4,090	14	909	2,261	909	909	11,080	2,261	2,261	2,261	2,261	91	223	223	223	223	223	3	
3. Matiu	2,730	3,500	909	2,730	3,500	909	2,730	14	..	..	..	..	11,080	2,261	2,261	2,261	2,261	94	..	..	..	..	..	3	
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
County Councils																									
1. Headcents	9,486	10,616	13,856	9,486	10,616	13,856	9,486	14	97	207	14,102	14,102	14,102	14,102	14,102	14,102	14,102	14,102	14,102	14,102	14,102	14,102	1		
2. Kaitiwhira	9,463	7,438	5,877	9,463	7,438	5,877	9,463	14	97	207	5,074	5,074	5,074	5,074	5,074	5,074	5,074	5,074	5,074	5,074	5,074	5,074	2		
3. Murihiva	9,010	8,610	3,254	9,010	8,610	3,254	9,010	14	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	3		
4. Uawa	2,142	..	..	2,142	..	..	2,142	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Totals, other local authorities	8,036,545	2,818,405	2,302,037	2,818,405	2,302,037	2,302,037	2,818,405	22,702	410,916	14,375	20,776	2,780,405	2,780,405	2,780,405	2,780,405	2,780,405	2,780,405	2,780,405	2,780,405	2,780,405	2,780,405	2,780,405	2,780,405	1	
CONTAINERS	71,815	60,000	16,101	71,815	60,000	16,101	71,815	27	..	..	..	..	..	5,801	19	3,412	3,395	100	1,05						

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

Supply Authorities.	Capital Outlay.			Revenue from Sale of Electricity.												Working-costs.			Capital Charges.				
	Per Head of Population.	Per Consumer.	Per £1 of Revenue.	Per Unit sold.	Per Unit sold (excluding Bulk Sales).	Per Unit sold.	Per Unit sold (Domestic Supply).	Per Head of Population.	Per Retail Consumer.	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)			
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)			
6. Westland Power, Ltd.*	75,422	100,180	1,134	..	..	..	..	..	..	7,473	8,435	8,043	37,704	4,380	..	4,442	..	8,731	46,495	15,537	707		
Totals ..	218,521	106,548	38,612	21,871	282	470	61,235	..	13,813	..	..	..	..	..	..	..	..	..	..	..	..		
Grand totals ..	101,146,777	41,762,1555.0	8,197,569.2	2,047,570.1	470,707	40,906	125,581,10,411,729	—	3,431,357.1	1,274,540	870,520.0	512,455.1	1,453,577,546,139	604,541	430,748.3	3,003,006.0	5,101,450	900,970	6,100	2,201			
* Notes.—Includes Aranui, Horowhenua, King Country, Manawatu, Northland, Otago, Waikato, and Waitomo, and Power Board stations, all interconnected; also Cobb Main, stations, and Rotorua, and Te Aroha, stations, all unconnected.																							
1. Ashburton	..	..	..	91,37	5,59	0,873	0,873	0,554	4,66	10,35	18,61	80,16	0,571	12,17	62,09	0,312	6,64	6,30	..	18,81	18,08		
2. Auckland	..	14,29	40,04	3,78	0,659	0,659	0,659	0,620	3,85	12,00	11,19	733,04	0,480	7,77	68,26	0,150	2,46	5,82	0,630	10,23	1,2		
3. Banks Peninsula	..	34,98	70,07	1,211	1,211	1,211	1,211	0,44	15,96	99,55	99,55	0,741	12,13	58,42	0,409	7,08	6,03	1,210	10,81	10,45			
4. Bay of Islands	..	10,61	00,30	5,34	1,218	1,218	1,218	1,250	2,03	22,46	89,03	0,769	14,17	61,65	0,421	7,75	6,46	1,190	21,02	18,00			
5. Bay of Plenty	..	13,43	84,85	3,70	0,912	0,900	0,892	3,059	2,31	18,91	18,91	0,688	13,65	66,26	0,251	4,38	6,25	0,909	18,03	15,74			
Totals ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
POWER BOARDS	..	25,12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
1. Central Hawke's Bay	..	10,23	72,07	4,64	5,77	1,276	1,276	1,210	4,27	10,05	10,05	0,547	13,26	55,15	0,560	10,88	6,92	1,225	10,05	10,05	10		
2. Central Waikato	..	29,70	80,76	4,13	6,13	0,819	0,819	0,770	4,04	19,94	27,29	0,610	15,39	55,15	0,560	10,88	6,92	1,225	10,05	10,05	10		
3. Damerelike	..	18,95	80,72	4,58	6,38	0,938	0,938	0,893	4,62	17,70	17,74	0,556	12,08	67,43	0,524	5,52	7,12	0,707	17,30	17,02	11		
4. Franklin	..	16,74	80,72	4,74	7,74	0,830	0,830	0,830	4,59	17,45	17,45	0,502	13,04	71,94	0,506	4,88	5,96	0,755	22,08	22,08	12		
5. Golden Bay	..	14,75	47,29	3,74	5,60	0,794	0,794	0,794	4,16	10,05	10,05	0,507	11,80	68,60	0,134	2,99	6,58	0,711	14,70	13,47	13		
6. Grey Bay	..	14,76	60,53	3,74	5,60	0,794	0,794	0,794	4,16	10,05	10,05	0,507	11,80	68,60	0,134	2,99	6,58	0,711	14,70	13,47	13		
7. Hawke's Bay	..	14,76	3,53	3,53	0,900	0,900	0,900	0,891	4,16	10,05	10,05	0,507	11,80	68,60	0,134	2,99	6,58	0,711	14,70	13,47	13		
8. Horowhenua	..	10,24	3,53	3,53	0,632	0,632	0,632	0,501	3,36	11,85	10,67	0,630	0,00	84,28	0,072	1,21	6,58	0,711	14,70	13,47	13		
9. Hunt Valley	..	7,39	2,24	0,640	3,640	0,640	0,640	0,434	2,78	16,01	6,74	0,630	0,00	84,28	0,072	1,21	6,58	0,711	14,70	13,47	13		
10. King Country*	..	15,77	85,04	6,00	1,655	1,655	1,655	1,010	1,037	18,33	61,37	0,680	18,13	60,80	0,555	10,02	6,38	1,672	17,30	17,02	18		
11. Manawatu-Oroua	..	21,84	91,90	3,40	7,65	0,651	0,651	0,651	2,000	3,23	12,04	24,89	0,622	11,35	53,02	0,222	6,07	1,445	21,71	21,44	20		
12. Marton-Brough	..	22,11	96,72	7,65	0,651	0,651	0,651	0,626	0,022	1,105	10,80	0,622	10,02	60,63	0,180	2,956	3,78	6,37	0,850	17,33	21,31		
13. North Aucklnd	..	18,61	81,89	4,65	0,925	0,925	0,925	1,125	4,15	17,55	17,55	0,650	12,12	60,63	0,180	2,956	3,78	6,37	0,850	17,33	21,31		
14. North Canterbury	..	21,27	72,79	4,59	5,60	0,794	0,794	0,794	4,16	10,05	10,05	0,507	11,80	68,60	0,134	2,99	6,58	0,711	14,70	13,47	13		
15. Opunake	..	24,57	90,40	6,17	0,794	0,794	0,794	1,076	1,130	5,02	18,00	10,10	0,653	13,00	0,00	0,536	6,50	10,14	22,20	23			
16. Otago Central	..	16,14	00,83	6,04	11,11	0,683	0,683	0,683	1,477	1,054	2,73	21,76	0,630	14,70	0,238	5,74	5,56	0,403	15,04	15,84	24		
17. Poverty Bay	..	18,62	60,90	4,50	5,60	0,794	0,794	0,794	0,626	1,20	18,46	17,70	0,630	10,02	60,63	0,204	2,956	3,78	6,37	0,850	17,33	21	
18. South Canterbury	..	17,31	73,64	3,85	0,794	0,794	0,794	1,740	1,101	4,63	13,15	0,622	12,33	48,52	0,722	1,13	6,27	0,752	17,70	16,73	20		
19. Spring-Greencore	..	16,71	69,18	4,65	5,65	0,794	0,794	0,794	0,626	1,20	18,39	16,36	0,622	10,02	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21	
20. Turakiri	..	15,73	65,66	3,85	0,794	0,794	0,794	0,626	1,20	18,39	16,36	0,622	10,02	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21		
21. Tuaranga	..	16,95	10,92	78,21	4,40	0,864	0,864	0,864	0,626	1,08	19,04	16,00	0,645	12,05	70,83	0,215	3,05	6,27	0,752	17,70	16,73	20	
22. Waitomo	..	14,75	18,75	82,20	4,02	0,912	0,912	0,912	0,626	1,24	18,65	20,87	1,61	13	76,93	0,183	3,05	6,27	0,752	17,70	16,73	20	
23. Te Awamutu	..	14,75	07,75	5,24	0,912	0,912	0,912	0,626	1,24	18,76	19,04	0,645	12,11	76,93	0,183	3,05	6,27	0,752	17,70	16,73	20		
24. Te Awamutu	..	14,75	07,75	5,24	0,912	0,912	0,912	0,626	1,24	18,76	19,04	0,645	12,11	76,93	0,183	3,05	6,27	0,752	17,70	16,73	20		
25. Thames Valley	..	21,18	80,45	4,73	0,823	0,823	0,823	0,823	1,20	15,78	16,36	0,622	10,02	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21		
26. Waiauera	..	13,25	60,63	3,14	0,839	0,839	0,839	0,839	1,20	15,78	16,36	0,622	10,02	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21		
27. Wairarapa	..	15,86	69,75	4,00	0,907	0,907	0,907	0,907	1,03	14,61	20,70	14,61	0,622	12,05	66,32	0,205	2,956	3,78	6,37	0,850	17,33	21	
28. Warren	..	30,39	134,20	8,72	0,804	0,804	0,804	0,804	1,03	14,61	20,70	14,61	0,622	12,05	66,32	0,205	2,956	3,78	6,37	0,850	17,33	21	
29. Waitomo	..	0,25	123,04	3,24	0,746	0,746	0,746	0,746	1,03	14,61	22,87	15,21	0,622	10,02	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21	
30. Waitomo	..	14,95	48,54	3,34	0,803	0,803	0,803	0,803	1,03	14,61	14,52	135,98	0,622	11,16	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21	
31. Waitomo	..	14,95	11,86	30,03	3,22	0,911	0,911	0,911	0,911	1,03	17,88	17,88	0,622	11,16	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21	
32. Waitomo	..	14,95	16,50	76,20	4,00	0,905	0,905	0,905	0,905	1,03	14,61	14,52	135,98	0,622	11,16	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21
33. Waitomo	..	14,95	14,74	64,10	4,21	1,005	1,005	1,005	1,005	1,03	14,61	14,52	135,98	0,622	11,16	60,63	0,205	2,956	3,78	6,37	0,850	17,33	21
34. Wangani-Rangiwhiti	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Totals ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
	10,000(n)	00,71(o)	4,07(o)	0,805(d)	0,840(e)	..	..	..	..	3,857(f)	..	..	..	..	..	..	..	..	..	..	..		
	10,000(n)	00,71(o)	4,07(o)	0,805(d)	0,840(e)	..	..																

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

Supply Authorities.	Local Authorities	Capital Outlay.				Revenue from Sale of Electricity.				Working-costs.				Capital Charges.				Total Costs.				
		Per Head of Population.	Per Con-sumer.	Per £1 of Revenue.	Per Unit sold (Overall, including Bulk Sales).	Per Unit sold (Domestic Supply).	Per Head of Population.	Per Retail Consumer.	Per kW. Maximum Demand.	Per Route-mile of Line.	Per Unit sold.	Per kW. Maximum Demand.	Per Unit sold.	Per kW. Maximum Demand.	Per Unit sold.	Per kW. Maximum Demand.	Per Unit sold.	Per kW. Maximum Demand.	Per Unit sold.	Per kW. Maximum Demand.		
Other Local Authorities		£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	d.	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	
1. Christchurch	..	10.20	23.36	2.94	0.61	0.683	0.683	0.648	0.648	0.523	d.	0.531	0.531	0.078	0.078	0.010	0.010	0.005	0.005	0.005	0.005	
2. Dunedin	..	4.74	8.22	1.48	1.08	0.973	0.973	0.703	0.703	0.502	4.04	0.511	0.511	0.294	0.294	0.88	0.88	0.005	0.005	0.005	0.005	
3. Hamilton	..	12.56	12.56	2.95	2.95	1.67	1.67	1.107	1.107	0.75	13.46	10.59	10.59	0.356	0.356	1.15	1.15	0.005	0.005	0.005	0.005	
4. Invercargill	..	13.77	13.77	4.44	4.44	3.55	3.55	1.252	1.252	0.812	1.17	11.17	11.17	0.753	0.753	1.97	1.97	0.005	0.005	0.005	0.005	
5. Nelson	..	13.00	13.00	3.78	3.78	0.834	0.834	0.017	0.017	0.55	3.86	0.90	0.90	0.549	0.549	1.25	1.25	0.005	0.005	0.005	0.005	
6. Palmerston North	..	13.09	13.09	42.12	3.31	0.780	0.780	0.500	0.500	4.02	12.71	12.58	12.58	0.540	0.540	2.53	2.53	0.005	0.005	0.005	0.005	
7. Wellington	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Totals	..	..	..	13.09(n)	44.52(e)	3.68(c)	0.737(d)	0.743(e)	0.743(e)	..	3.74(p)	11.08(r)	..	0.501(q)	0.501(q)	..	72.11(u)	0.151(j)	..	5.65(x)	0.652(t)	..
Borough Councils																						32.18(u)
1. Bluff	..	6.72	22.24	1.63	2.003	2.003	3.516	4.30	13.67	20.30	73.121	1.432	20.15	22.51	0.101	2.20	6.18	1.403	22.41	61.40	1.403	
2. Inglewood	..	8.07	22.15	1.80	1.903	1.903	1.216	4.77	12.27	21.70	63.810	1.008	17.11	17.11	0.329	0.329	0.107	0.107	0.107	0.107	0.107	
3. Kaiapoi	..	9.91	20.34	2.52	0.940	0.940	0.007	3.54	10.46	4.94	46.435	0.845	15.06	15.06	0.092	0.092	0.886	0.886	0.055	0.055	0.055	
4. Lethbridge	..	5.55	14.10	1.47	1.247	1.247	1.255	3.98	9.04	18.84	86.835	1.097	16.57	16.57	0.072	0.072	1.00	1.00	0.055	0.055	0.055	
5. Napier	..	8.77	27.61	2.25	0.025	0.025	0.801	0.801	12.50	24.10	1.410	0.037	16.93	16.93	0.178	0.178	0.015	0.015	0.015	0.015	0.015	
6. New Plymouth	..	5.94	50.09	3.48	0.822	0.822	0.952	4.41	14.57	30.745	1.706	0.045	1.706	1.706	0.172	0.172	1.023	1.023	0.055	0.055	0.055	
7. Oamaru	..	5.63	19.85	1.06	1.050	1.050	1.050	3.34	10.15	27.01	27.052	1.108	18.15	18.15	0.427	0.427	0.005	0.005	0.005	0.005	0.005	
8. Patea	..	11.38	41.82	2.44	3.26	3.26	1.75	4.44	10.32	16.00	32.047	0.807	12.45	12.45	0.147	0.147	0.322	0.322	0.055	0.055	0.055	
9. Picton	..	10.62	34.02	2.44	3.725	3.725	4.216	4.34	13.91	16.08	37.420	3.009	14.26	14.26	0.187	0.187	0.324	0.324	0.055	0.055	0.055	
10. Raetihi	..	11.07	53.07	3.94	1.750	1.750	1.750	0.051	3.10	13.48	20.580	1.073	16.11	16.11	0.048	0.048	0.251	0.251	0.055	0.055	0.055	
11. Rangiora	..	5.19	34.71	1.93	0.007	0.007	0.730	4.13	10.70	16.70	30.580	0.830	16.93	16.93	0.109	0.109	0.030	0.030	0.030	0.030	0.030	
12. Riccarton	..	8.32	30.00	2.62	0.055	0.055	0.887	3.40	12.18	10.73	1.126	0.691	9.68	87.62	0.057	0.057	0.040	0.040	0.048	0.048	0.048	
13. Toss	..	13.06	41.01	3.18	1.160	1.160	0.088	4.20	12.01	22.02	30.105	0.848	16.23	16.23	0.236	0.236	0.45	0.45	0.084	0.084	0.084	
14. Motorcar Electric Supply	..	10.61	32.29	2.24	1.105	1.105	1.076	1.076	1.076	1.076	0.014	12.055	12.055	0.319	0.319	12.23	12.23	0.083	0.083	0.083		
15. Stratford	..	5.53	17.60	1.35	1.071	1.071	1.181	4.13	12.00	12.00	38.822	0.074	18.15	18.15	0.176	0.176	1.248	1.248	0.055	0.055	0.055	
16. Taieri	..	30.79	75.16	6.00	1.502	1.502	1.502	1.04	14.54	14.54	60.024	0.502	8.218	8.218	0.440	0.440	1.042	1.042	0.055	0.055	0.055	
17. Tauranga	..	37.33	103.77	6.12	0.473	0.473	0.673	4.83	12.87	10.00	47.145	0.173	3.006	3.006	0.122	0.122	2.58	2.58	0.055	0.055	0.055	
18. Te Aroha	..	8.99	25.71	2.16	1.000	1.000	0.000	4.32	11.93	17.40	60.870	0.002	17.25	17.25	0.044	0.044	2.03	2.03	0.055	0.055	0.055	
19. Te Puke	..	13.59	35.45	2.88	1.000	1.000	0.000	4.78	12.30	12.30	47.651	0.007	0.751	0.751	0.163	0.163	2.78	2.78	0.055	0.055	0.055	
20. Thames	..	7.16	23.07	1.70	1.233	1.233	1.082	4.30	13.67	24.30	60.133	0.805	13.05	13.05	0.230	0.230	4.00	4.00	0.055	0.055	0.055	
21. Timaru	..	7.90	20.92	2.58	0.817	0.817	0.624	3.13	10.43	13.56	81.033	0.808	12.08	12.08	0.055	0.055	0.766	0.766	0.055	0.055	0.055	
22. Waitara	..	5.08	18.01	0.08	1.054	1.054	1.054	1.054	5.83	18.41	10.98	80.906	0.608	0.078	0.078	1.25	1.25	0.055	0.055	0.055		
23. Waitara	..	8.05	20.82	1.92	0.92	0.92	1.454	3.47	10.64	10.64	85.08	0.802	14.23	14.23	0.172	0.172	2.75	2.75	0.055	0.055	0.055	
24. Westport	..	8.25	28.06	2.53	1.454	1.454	1.808	3.51	11.11	30.00	48.042	1.014	12.05	12.05	0.412	0.412	3.00	3.00	0.055	0.055	0.055	
25. Whangarei	..	15.14	55.76	3.21	1.102	1.102	0.051	4.78	17.37	21.37	68.344	0.705	12.05	12.05	0.412	0.412	4.12	4.12	0.055	0.055	0.055	
26. Whangarei	..	13.45	43.23	3.33	1.240	1.240	0.087	4.17	12.93	10.20	65.025	0.911	14.12	14.12	0.146	0.146	2.24	2.24	0.055	0.055	0.055	
Totals	..	..	..	11.75(n)	37.00(o)	2.02(e)	0.005(g)	1.004(e)	..	4.00(p)	13.01(r)	..	..	..	..	..	..	..	..	..	..	
1. Karonge	..	14.99	58.97	2.80	1.212	1.212	1.181	1.181	5.40	1.100	24.15	14.10	0.011	14.10	0.011	14.10	18.15	5.44	5.44	5.44	5.44	
2. Mangaweka	..	16.10	31.95	2.04	1.197	1.197	1.07	1.07	8.36	1.080	19.40	14.78	0.005	14.78	0.005	14.78	18.15	0.05	0.05	0.05	0.05	
3. Monimuli	..	3.72	14.68	3.07	4.762	4.762	5.356	5.356	1.21	4.78	25.97	18.80	0.318	18.80	0.318	18.80	16.71	0.04	0.04	0.04	0.04	
Totals	..	..	..	16.17(n)	48.10(v)	2.83(c)	1.289(d)	1.004(e)	..	4.40(p)	14.12(r)	..	..	..	..	..	..	77.20(v)	0.210(u)	..	5.00(t)	
																					35.44(m)	

(For notes see page 13.)

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.			
	Per Head	Per Con-	Per £1	Per Unit sold	Per Unit (excised)	Per Unit (domestic supply).	Per Head	Per Unit of Population.	Per kW.	Per kW. Maximum Demand.	Per Unit sold.	Per Unit Total Revenue.	Per kW.	Per kW. Maximum Demand.	Per Unit sold.	Per kW.	Per kW. Maximum Demand.	Per Unit sold.	Per kW.	Per kW. Maximum Demand.
	per Capita Population.	per Consumer.	of Revenue.	Including Bulk Sales.	(Overall, including Bulk Sales).	(Excised, Bulk Sales).	of Domestic Supply.	Population.	of Demand.	of Demand.	of Demand.	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)	(xi)	(xii)
Other Local Authorities—continued																				
1. Heathcote County Council	£(N.Z.) 2.68	£(N.Z.) 0.50	£(N.Z.) 0.00	£(N.Z.) 0.713	£(N.Z.) 0.008	£(N.Z.) 0.713	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	£(N.Z.) 0.008	
2. Kalkoura	..	..	..	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	
3. Murchison	..	..	..	13.98	44.87	3.03	12.484	12.484	2.337	4.98	14.70	3.37	11.71	..	21.051	15.430	13.08	55.76	6.38	
4. Uava	..	..	..	6.10	17.70	1.51	12.484	12.484	14.301	3.37	..	404.86	..	123.57	..	1.040	1.040	1.040	1.040	
Totals	..	..	..	4.73(n)	18.20(o)	1.246(e)	1.100(d)	1.100(e)	..	3.90(v)	14.70(r)	..	530.72(f)	1.010(y)	..	91.30(v)	0.150(j)	..	11.05(k)	1.17(l)
Totals, other local authorities	..	..	..	13.11(n)	42.04(o)	3.46(g)	0.750(d)	0.801(e)	..	3.83(p)	12.22(r)	..	731.00(f)	0.553(q)	..	71.80(v)	0.152(j)	..	5.56(m)	0.704(l)
Companies																				
1. English Electric, Ltd.	..	..	..	24.10	73.36	4.44	0.841	0.843	2.058	5.46	27.58	23.08	539.00	0.056	11.08	77.44	0.173	2.920	4.04	
2. L. A. Keys, Traction & Light and Power Co., Ltd.	..	..	..	31.56	82.14	6.45	11.904	11.904	11.904	3.96	15.08	..	455.00	11.004	..	110.00	0.049	..	80.60	
3. Hecton Electric Light and Power Co., Ltd.	..	..	..	2.14	14.47	0.97	4.936	4.936	4.936	2.036	14.05	73.50	882.00	0.018	71.50	0.775	0.117	8.67	0.93	
4. Rawene Motors, Ltd.	..	..	..	57.84	101.65	2.16	0.270	0.270	10.401	2.21	16.35	9.85	888.14	0.013	4.96	46.53	0.019	2.44	2.44	
5. Wilson's (N.Z.) Portland Cement, Ltd.	..	..	..	22.42	167.30	8.86	1.048	1.048	1.204	2.130	2.44	17.10	18.95	0.77	0.73	12.01	0.451	8.15	21.06	
6. Westland Power, Ltd.	..	..	..	27.21(n)	135.22(o)	3.01(e)	0.570(d)	0.631(e)	..	4.00(p)	23.89(r)	..	300.21(f)	0.202(g)	..	61.07(v)	0.061(j)	..	3.90(s)	0.323(l)
Grand totals	..	..	..	121.07(o)	61.06(e)	..	0.819(e)	0.826	..	3.07(p)	13.83(r)	..	30.60(f)	0.359(q)	..	62.55(r)	0.175(j)	..	4.00(e)	0.304(l)
..	..	..	..	31.42	111.30	5.60	..	..	..	3.88	13.38	..	30.60(f)	0.351	..	59.58	0.160	..	5.13	0.320
..	..	..	..	30.04	102.01	6.28	..	..	..	4.07	13.31	..	30.60(f)	0.350	..	65.01	0.170	..	5.42	0.320
..	..	..	..	28.05	98.00	6.20	..	..	..	3.00	12.51	..	29.87	0.329	..	67.71	0.174	..	5.36	0.320
..	..	..	..	27.86	95.91	5.25	..	..	..	3.73	11.86	..	29.87	0.323	..	54.40	0.183	..	5.88	0.316
..	..	..	..	27.60	96.10	5.42	..	..	..	3.60	11.54	..	27.77	0.343	..	56.52	0.181	..	5.04	0.316
..	..	..	..	26.31	98.00	5.24	..	..	..	3.64	11.74	..	28.07	0.343	..	56.34	0.181	..	5.56	0.317
..	..	..	..	25.00	92.11	6.01	..	..	..	3.35	11.10	..	256.00	..	..	..	..	..	22.25	
..	..	..	..	1040	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

## 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 5 and 15, Table XIII. (e) Derived from Items 6 and 16, Table XIII. (f) Derived from Items 7 and 17, Table XIII. (g) Derived from Items 1 and 13, Table XIII. (h) Derived from Items 12 and 14, Table XIII. (i) Derived from Items 2 and 7, Table XIII. (j) Derived from Items 3 and 18, Table XIII. (k) Excluding costs of generating feed-back. (l) Excluding costs of generating feed-back. (m) Revenue from retail sales divided by total units sold. (n) Revenue from retail sales divided by total units sold. (o) Revenue from retail sales divided by total units sold. (p) Revenue from retail sales divided by total units sold. (q) Revenue from retail sales divided by total units sold. (r) Revenue from retail sales divided by total units sold. (s) Revenue from retail sales divided by total units sold. (t) Revenue from retail sales divided by total units sold. (u) Revenue from retail sales divided by total units sold. (v) Includes Arapuni, Horahora, Maungatua, and Waitakere main stations and Stoke standby generating feed-back. (w) Includes Coleridge, Waitaki, Arnold, Monowai, and Highbank main stations and Dobson standby station, all interconnected. (x) Includes Wharf, Penrose standby stations, all interconnected. (y) No returns received. (z) Taken over by Grey Electric-power Board, November, 1946. (aa) Complete returns unavailable.

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

No.	Item.	Other Local Authorities.				Companies.	Total, all Supply Authorities.	No.
		City Councils.	Borough Councils.	Town Boards.	County Councils.			
1	Population in area of supply	Number.	Number.	Number.	Number.	Number.	Number.	1
2	Number of consumers	1,092	320	150,130	6,360	612,950	8,030	1,763,200
3	Units generated	14,119	288,887	46,542	1,691	188,490	1,611	493,112
4	Units sold retail	2,203,807,654	57,034,271	188,451,307	43,243,983	232,525,555	34,847,211	2,529,214,601
5	Units sold (bulk plus retail)	125,712,330	1,167,532,090	539,015,283	142,559,168	630,932,216	14,696,587	1,907,873,223
6	Route-miles of lines	2,082,003,635	1,286,362,527	548,873,843	149,891,466	5,328,063	34,569,870	4,110,019,115
		5,749	22,334	1,863	1,201	46	155	31,419
7	Capital outlay	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)	£(N.Z.)
8	Capital outlay on transmission and distribution systems	34,350,661	17,157	6,210,497	1,764,068	30,051	8,036,545	218,521
9	Revenue (retail sales)	16,205,841	16,363,566	4,632,587	1,536,306	20,296	138,220,043	72,909
10	Revenue (bulk sales)	369,441	4,116,879	1,670,578	506,422	11,224	2,302,637	38,612
11	Revenue (retail plus bulk sales)	2,707,601	195,402	14,851	7,851	22,702	21,871	8,862,559
12	Gross revenue (excluding rates)	3,067,042	4,312,281	1,685,429	604,273	11,224	2,325,339	6,817,569
13	Gross revenue (less revenue from bulk sales, feed back, and standby charges)	3,109,576	4,460,513	2,086,363	657,295	11,980	2,780,405	9,765,145
14	Working-costs (including cost of generating feed back)	401,975	4,205,229	1,696,681	613,350	11,980	24,777	10,411,29
15	Working-costs (excluding cost of generating feed back)	1,530,384	2,946,192	1,504,546	461,723	9,223	22,623	37,764
16	Capital charges	1,059,587	2,902,809	1,454,998	447,015	9,223	22,623	5,625,759
17	Total costs (including cost of generating feed back)	1,411,202	1,137,337	344,890	96,512	1,911	3,322	8,731
18	Total costs (excluding cost of generating feed back)	2,941,676	4,083,520	1,849,436	558,235	11,134	25,045	3,003,995
		2,470,879	4,040,146	1,490,888	544,427	11,134	25,945	9,516,450
							2,072,304	46,495

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

Supply Authorities.	Population included in Area of Supply.	Consumers.			Ranges.			Water-heaters.			Milk-machines.			
		Ratio of Consumers to Population in Area of Supply.	Domestic.		Number.	Under 6 Kilowatts.	6 Kilowatts and over.	Total.	Total Kilowatts.	Number.	Ratio, Total Number of Ranges to Domestic Consumers.	H.P.	Number.	
			Total.	Commercial.										
State Hydro-Electric Department	..	..	19,000	27·50	4,580	5,224	1,768	7,532	2,904	49·26	4,905	3,652	158	
North Island	..	263,400	29·13	63,373	13,361	76,734	27,646	225,812	43·62	33,944	24,762	44·24	954	
South Island	..	3,490	35·42	1,171	65	1,236	..	628	3,117	53·63	713	37·14	168	
Totals	..	49,900	28·20	12,347	1,772	14,119	460	2,835	3,295	20,243	26·69	2,658	3,057	
Ashburton	..	..	19,000	27·50	4,580	5,224	1,768	7,532	2,904	49·26	4,905	3,652	158	
Auckland	..	..	263,400	29·13	63,373	13,361	76,734	27,646	225,812	43·62	33,944	24,762	44·24	954
Banks Peninsula	..	..	3,490	35·42	1,171	65	1,236	..	628	3,117	53·63	713	37·14	168
Bay of Islands	..	..	31,600	11·72	3,199	503	3,702	1,446	982	1,128	6,553	35·26	43·20	765
Bay of Plenty	..	..	17,500	15·82	2,346	423	2,769	1,447	995	1,143	841	48·72	1,494	67·68
Buller	..	..	..	..	..	..	..	..	..	..	..	..	..	1,043
Cambridge	..	..	7,870	27·93	1,332	266	2,198	513	546	3,284	28·21	1,095	1,304	454
Central Hawke's Bay	..	..	10,350	23·89	2,051	401	2,452	255	834	1,089	6,293	53·06	980	1,188
Central Wairarapa	..	..	33,800	26·42	8,156	775	8,931	566	2,122	2,678	15,652	32·84	4,722	52·87
Dannevirke	..	..	12,150	28·32	2,881	560	3,441	138	746	884	1,186	1,186	901	34·47
Franklin	..	..	24,300	25·91	5,669	627	6,296	681	2,517	3,198	10,346	50·41	4,878	3,476
Golden Bay	..	..	3,210	20·78	577	90	667	103	216	899	37·44	278	163	154
Grey	..	..	18,780	31·35	5,003	865	5,868	..	1,303	1,303	7,868	26·04	796	13·57
Hawke's Bay	..	..	37,100	27·68	9,555	1,012	10,267	172	4,902	4,564	37,327	49·31	4,501	41·83
Horowhenua	..	..	20,300	35·23	6,344	807	7,151	757	2,536	3,293	18,195	51·90	3,059	2,114
Hutt Valley	..	..	73,300	27·90	18,114	1,637	20,451	216	8,597	8,813	60,827	46·84	9,743	7,220
King-country <sup>a</sup>	..	..	8,600	3·01	222	37	259	..	6	42	2·70	13	1,12	5·02
Malvern	..	..	4,540	18·35	754	79	833	99	137	236	1,055	31·30	113	11·57
Manganawatu-Oroua	..	..	23,100	28·09	6,169	319	6,488	21	2,083	2,104	14,435	34·11	3,000	2,053
Masterton	..	..	15,900	24·43	3,353	610	3,963	276	701	977	5,875	29·14	543	507
North Auckland	..	..	26,700	22·74	5,235	836	6,071	..	1,923	1,923	11,098	31·73	3,969	2,755
North Canterbury	..	..	15,000	29·23	3,983	399	4,382	495	863	1,358	7,352	34·10	1,221	228
Opunake	..	..	5,790	25·58	1,293	188	1,481	116	434	550	3,261	42·54	883	757
Waikato	..	..	25,300	23·09	4,751	1,090	5,841	134	708	842	5,041	17·72	804	1,137
Otago Central	..	..	8,190	28·50	2,034	300	2,334	116	530	646	3,601	31·76	690	708
Overley Bay	..	..	33,600	21·38	5,738	1,447	7,185	..	2,501	2,501	16,073	45·16	2,569	2,163
South Canterbury	..	..	25,400	23·50	5,217	754	5,971	98	1,111	1,209	7,864	23·17	1,353	1,972
South Taranki	..	..	16,150	28·24	3,687	873	4,560	147	1,260	1,407	8,769	38·16	2,247	1,524
Taranki	..	..	13,550	24·05	3,021	310	3,331	444	831	1,275	6,346	42·21	1,190	1,553
Waipoua	..	..	14,250	23·75	3,170	215	3,385	18	899	917	6,279	28·93	1,778	1,388
Waipu	..	..	9,370	25·09	2,501	1,971	3,80	445	747	1,192	5,902	1,126	4,126	47·90
Waipuna	..	..	13,900	20·91	2,920	248	3,168	273	1,598	1,871	11,626	64·08	2,505	2,092
Waipu	..	..	14,150	21·92	2,602	500	3,102	442	930	1,372	6,685	52·73	1,872	1,638
Waipu	..	..	1,690	33·37	4,02	161	563	42	242	284	1,713	70·65	247	214
Waimea Valley	..	..	44,100	26·43	10,569	1,086	11,655	100	4,086	4,186	30,567	39·51	7,349	6,390
Waimea	..	..	16,900	26·19	3,670	755	4,425	183	1,077	1,260	7,731	34·33	1,177	1,073

(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.	Consumers.			Ranges.			Water-heaters.			Milking-machines.		
		Ratio of Consumers to Population in Area of Supply.	Domestic.	Commercial.	Total.	Under 6 Kilowatts.	6 Kilowatts and over.	Total.	Total Kilowatts.	Number.	Total Kilowatts.	Number.	Horas-power.
			Number.	Per Cent.	Number.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
POWER BOARDS— <i>continued</i>													
Wairarapa	..	25,300	5,575	1,141	6,716	2,053	15.377	2,538	2,736	2,567	1,091	10.24	
Wairere	..	3,000	22,63	601	679	72	2.042	282	351	351	210	3.38	
Waikato	..	8,340	7,52	536	91	627	5.427	183	58.90	44.22	151	5.29	
Waikato	..	17,600	30,83	4,595	831	5,426	2.157	302	13,707	46.94	103	9.36	
Waitemata	..	65,900	32,05	18,536	2,585	21,121	90	8,357	54.085	48.27	2,369	1.557	
Waitomo	..	11,700	21,94	2,107	460	2,567	1.156	96	1,060	6,778	4,452	16.56	
Wanganui-Rangitikei	..	47,850	27,21	10,713	2,303	13,016	..	3,000	20,188	36.25	1,085	680	
Totals	..	1,092,320	26,45	248,775	40,112	288,587	9,750	94,200	104,040	695,453	41.82	124,848	
OTHER LOCAL AUTHORITIES													
<i>City Councils</i>													
Christchurch	..	142,300	30,98	38,095	5,989	44,084	..	736	20,718	21,514	147,392	56.47	
Dunedin	..	94,900	29,81	25,059	3,232	28,201	1,404	4,035	6,039	33,227	24.10	17,917	
Hamilton	..	22,200	30,64	5,091	1,503	6,000	1,019	290	1,309	7,473	25.71	12,697	
Invercargill	..	23,600	32,00	6,492	1,059	7,551	214	349	503	1,677	8.67	1,363	
Nelson	..	14,000	23,00	3,559	1,633	4,142	50	416	466	2,600	13.25	605	
Palmerston North	..	27,100	31,51	7,225	1,314	8,539	155	2,530	2,685	16,133	37.16	1,020	
Wellington	..	129,700	31,07	32,595	7,700	40,396	429	5,478	5,907	39,246	18.12	12,002	
Totals	..	453,800	32,02	118,006	21,426	139,502	3,473	35,009	38,482	247,748	32.59	48,825	
<i>Borough Councils</i>													
Bluff	..	2,140	30.23	523	124	647	14	123	130	110-	24	27	
Bridgewood	..	1,340	36,42	362	126	488	7	117	208	870	35.91	101	
Kaiapoi	..	1,800	33,33	520	89	609	..	261	1,271	1,54	146	154	
Methven	..	3,280	39,23	1,235	44	1,279	..	34	933	21.13	203	23.97	
Napier	..	16,950	31.75	3,099	1,065	5,064	8,128	407	3,378	3,785	6,870	16.87	
New Plymouth	..	27,400	29,66	6,971	1,157	475	160	635	36	62	20,745	1,742	
Ohakune	..	2,280	27.85	514	25	539	38	201	239	1,610	500	4,125	
Patea	..	1,980	27.85	512	99	509	4	14	18	95	224	83	
Roxton	..	1,630	31.23	410	99	509	..	34	55	308	14.18	1,57	
Ruawiri	..	2,350	20.85	388	102	490	21	117	904	227	77	4	
Tangiora	..	2,450	36,30	787	117	904	5	114	1,185	1,230	326	72	
Te Ākitio	..	8,180	27.14	2,106	114	2,220	45	1,14	1,230	8,139	1,484	348	
Toss	..	13,550	31.85	3,493	..	4,316	..	198	969	1,167	8,139	1,036	
Tororoa Electric Supply	..	4,030	32,65	997	315	4,312	7	406	413	3,132	41.42	1,153	
Wharford	..	2,970	31,59	537	187	717	19	111	130	840	24.53	352	
Whape	..	2,890	40,96	982	164	1,146	63	155	208	1,183	101	100	
Whamarua	..	5,170	35,95	1,500	360	1,860	115	1,007	1,122	8,070	74.80	1,205	

... 1,39,000	23,33	4,333	1,104	5,661	70	1,363	1,433	8,806	31,45	1,479	2,272	26,13	1,1	1,1	77,69
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TABLE XIV.—STATISTICS OF POPULATION, CONSUMERS, ELECTRIC RANGES, WATER-HEATERS, AND MILKING-MACHINES—continued

Supply Authorities.	Population included in Area of Supply.	Consumers.				Ranges.				Water-heaters.				Milk-machines.			
		Domestic.		Commercial.		Under 5 Kilowatts.		5 Kilowatts and over.		Total.		Total Kilowatts.		Number.		Horse-power.	
		Number.	Per Cent.	Number.	Per Cent.	Number.	Total.	Number.	Total.	Number.	Kilowatts.	Number.	Number.	Per Cent.	H.P.		
23. Warros ..	..	3,020	31.56	691	262	963	21	368	389	2,609	404	244	3	2	48.38		
24. Waitara ..	..	2,470	31.94	632	157	789	95	199	294	46.62	224	172	10	9	61.88		
25. Westport ..	..	5,700	29.33	1,321	351	1,672	6	13	112	1.44	71	61	22	10	43.25		
26. Whakatane ..	..	2,990	27.16	695	117	812	60	345	405	58.27	361	233	14	7	41.64		
27. Whangarei ..	..	9,970	31.13	2,508	596	3,104	35	915	950	5.226	859	575	26	17	50.76		
Totals ..	..	150,130	31.00	38,227	8,315	46,542	1,533	13,115	14,648	89,030	38.32	16,718	13,553	29	61	1,817	
<i>Town Boards</i>																	
1. Kaponga ..	..	1,630	28.00	378	80	458	52	110	162	879	42.86	230	195	52.18	181	272	
2. Mangaweka ..	..	290	50.69	108	39	147	8	40	48	257	44.44	48	32	32.65	5	8	
3. Manunui ..	..	750	25.33	162	28	190	1	1	2	8	1.24	..	..	..	5	4	
Totals ..	..	2,670	29.78	648	147	795	61	161	212	1,144	32.71	287	227	36.10	191	284	
<i>County Councils</i>																	
1. Heathcote ..	..	3,680	26.00	987	5	992	55	572	627	3,347	63.53	698	709	70.36	8	4	
2. Kaihauria ..	..	1,500	21.66	241	76	316	8	2	10	27	4.15	..	..	5	3	58.01	
3. Marchison ..	..	750	29.60	195	27	222	20	15	35	114	17.95	38	32	17.12	30	31	
4. Urewera ..	..	420	28.81	99	22	121	..	..	..	..	..	..	..	..	..	14.23	
Totals ..	..	6,350	26.00	1,522	129	1,651	83	589	672	3,488	44.15	736	741	44.58	43	38	
Totals, other local authorities	..	612,960	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	
<i>Companies</i>																	
1. Kauri Electric, Ltd. <sup>4</sup> ..	..	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	..	..	3	63	3	6	4.76	3	2	4.76	..	31.50	
3. Reefton Electric Light and Power Co., Ltd. <sup>5</sup> ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
4. Rawene Motors, Ltd. ..	..	400	14.75	39	20	59	..	21	23	44	191	73.33	67	100.00	34	58	
5. Wilson's (N.Z.) Portland Cement, Ltd. ..	..	1,180	5.76	60	7	67	..	..	..	..	..	..	..	..	..	..	
6. Westland Power, Ltd. <sup>4</sup> ..	..	3,290	13.90	363	85	448	15	44	59	352	16.25	72	76	16.03	60	89	
Totals ..	..	8,030	20.12	1,236	380	1,616	72	214	286	1,731	23.14	247	244	15.28	94	147	
Grand totals ..	..	1,763,200	27.97	420,821	72,291	493,112	15,462	146,173	161,635	1,058,837	38.40	193,319	172,576	39.20	34,857	44,969	59.25

Notes.—<sup>1</sup> Not actively functioning.<sup>2</sup> Complete returns unavailable.<sup>3</sup> No return received.<sup>4</sup> For year ended 31st December, 1946.<sup>5</sup> Taken over by Grey Electric-power Board, 11th November, 1946.

Ratio of domestic consumers to total consumers = 86.33 per cent.

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	
	Candidates.	Passed, Per Cent	Hrs
Inspectors	67 (41)	882 (815)	45
Electrical wiremen	242 (188)	4,932 (4,690)	4,74
Electrical servicemen, Class "D"	12 (9)	106 (94)	6
Electrical servicemen, Class "E" (including radio)	67 (56)	195 (128)	13
Electrical servicemen, Class "E" (excluding radio)	(2)	33 (33)	1
Limited registration	33* (65)	1,262† (1,229)	1,04
Provisional licences	16 (6)	869 (853)	1
Temporary permits	1 (..)	131 (130)	1
Registrations after periodical purging	11 (8)	327 (316)	1

3. Examinations—

Wiremen—

Written

Practical

Servicemen—

Written

Practical

4. Defective work reports: 15 (12); endorsements made, 4 (1); endorsements removed, Nil (Nil).  
5. Breach of Act reports: 37 (41); prosecutions authorized, 29 (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.